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UX Plugins User Manual

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1. Preface

1.1 Purpose

Welcome to the User Guide for Oracle Banking Digital Experience. This guide explains the operations that the user will follow while using the application.

1.2 Audience

This manual is intended for Customers and Partners who setup and use Oracle Banking Digital Experience.

1.3 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit, http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

1.4 Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at <u>Critical Patches</u>, <u>Security Alerts and Bulletins</u>. All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by <u>Oracle Software Security Assurance</u>.

1.5 <u>Diversity and Inclusion</u>

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

1.6 Conventions

The following text conventions are used in this document:

Convention Meaning	
--------------------	--



boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
Italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

1.7 Screenshot Disclaimer

The images of screens used in this user manual are for illustrative purpose only, to provide improved understanding of the functionality; actual screens that appear in the application may vary based on selected browser, theme, and mobile devices.

1.8 Acronyms and Abbreviations

The list of the acronyms and abbreviations that you are likely to find in the manual are as follows:

Abbreviation	Description
OBDX	Oracle Banking Digital Experience
UX	User Experience



2. The UX Plugin

The UX plugin is a Figma-based tool designed to facilitate the seamless conversion of Figma designs into Oracle JET-compliant code. This plugin helps ensure consistency between design and development by eliminating discrepancies between the visual design and the final product.

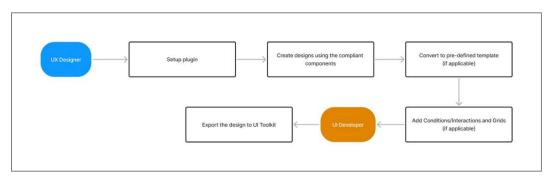
By automating this translation process, the tool significantly reduces the time and effort required to develop user interfaces, accelerating the overall UI implementation.

Pre-requisites:

- Basic understanding of Figma
- Basic understanding of Oracle's Redwood Design System
- Basic understanding of Oracle JET
- Basic understanding of the UI Toolkit
- An active Figma license
- UI Toolkit installed and running on the system (latest version)

Workflow

The process to create a screen and export the design in the UI toolkit is as follows:



Step 1: Setup Plugin

The plugin can be easily setup on your system by following the instructions outlined in the <u>Plugin</u> <u>Setup</u> section. Once done you can run the plugin and start with your design journey.

Step 2: Create designs using compliant components

Designers can either drag and drop the compliant components to create their designs on Figma or can explore the **Create New** feature of the plugin to get started.

Step 3: Convert to pre-defined template

In case if the designer wants to structure their designs into a pre-defined template, they can do so using the **Convert to Template**

Step 4: Add Conditions/Interactions



In case the designer wants to add an **On Click** or **On Change** functionality on components they can do so by either using the Figma's prototyping feature or using the **Add Conditions** feature available in the **Modify Component** option.

Step 5: Export to UI Toolkit

At this stage the UX Designer hands over the design to the UI Developer, who will then take over the procedure to export this design into the toolkit. The UI developer will have to ensure the toolkit is up and running in the background before starting the export procedure. Detailed explanation of the export procedure is mentioned in the Export to Toolkit section

Note: The workflow outlined above provides an overview of the plugin usage.

A detailed explanation of each feature is provided in the sections below.

Usage Guidelines

- Use components exclusively from the Oracle JET or Redwood Library
- Ensure that the UI toolkit is successfully installed with the latest version
- Ensure that the Figma components are not detached as those components may not be recognized by the plugin.
- Create business components only if they will be reused multiple times across your screens. Avoid creating excessive business components to maintain efficiency and manageability.
- Ensure that the UI toolkit is up and running in the background while exporting to avoid any issues.
- For optimal plugin functioning, keep the original layer names of components unchanged, as modifying them may result in recognition errors.



3. Plugin Setup

1. Install the latest version of <u>Node.js</u> supported for your device specifications, before downloading the plugin zip file.

Note: This is a one-time step, need not to be repeated.

- 2. Download the zip file and extract it in the desired destination folder.
- 3. Upon extraction, there will be two folders:
- a. Backend:
- i. Open the command terminal and navigate to the Backend Folder.
- ii. In the terminal, enter the following command:

npm install

(For Mac Users, append 'sudo' before the command')

iii. Now, enter the following command in the same terminal:

npm run build

- b. UI:
- i. Open the command terminal and navigate to the UI Folder.
- ii. In the terminal, enter the following command:

npm install

(For Mac Users, append 'sudo' before the command')

iii. Now, enter the following command in the same terminal:

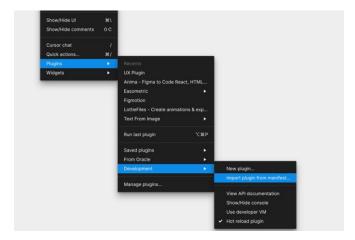
npm link '../Backend/'

Note: The '../Backend/' is the path to the Backend folder.

iv. Enter the following command to build the UI of the plugin:

ojet build

4. Move to Figma, right click on any page, Plugin > Development > Import plugin from manifest.





- 5. Navigate to the UI folder, and click on the **manifest.json** file inside the UI folder, that needs to be imported.
- 6. The plugin is successfully imported inside Figma and is ready to use.



4. List of Components

The plugin supports a range of components that streamline the design and development process. Components from the following component libraries are supported by the UX Plugin:

- Redwood Design System (RDS) Oracle's flagship design system offering consistent UI patterns and components, enabling seamless plugin integration
- Oracle JET JavaScript Extension Toolkit offering responsive templates and interactive components, optimized for data-intensive enterprise applications.
- Digital Experience Component Library Components tailored for financial applications, featuring specialized UI elements for banking interfaces

List of RDS supported components:

- 1. Avatar
- 2. Badge
- 3. Button
- 4. Checkbox set
- File Picker
- 6. Input Date
- 7. Input Number
- 8. Input Password
- 9. Input Select Single (supports Figma interaction in case of static dropdown values)
- 10. Input Text
- 11. Input Text Area
- 12. Meter Bar
- 13. Radio Button
- 14. Rating Gauge
- 15. Slider
- 16. Switch
- 17. Tab Bar
- 18. Table
- 19. Toggle Button

List of Oracle JET supported components:

20. Action Card (JET Version)

An Action Card is an actionable container rendering related information. An action card renders children in a styled rectangular area and has support for an action event when clicked.

It has a single property of instance swap that allows the designers to place their content in the body slot of the card.



Link to JET Component

21. Charts

A chart displays information graphically, making relationships among the data easier to understand.

Plugin supports the following chart types:

- Bar Chart
- Line Chart
- Pie Chart

Following are the properties of this component:

- Chart Type: Bar, Line, Pie
- Legend Position: Bottom, Top, Start, End
- Show Legend: Boolean

22. Collapsible (JET Version)

A collapsible displays a header that can be expanded to show its content.

Following are the properties of this component:

- Variant Basic, Horizontal Rule
- Header Instance Swap
- Body Instance Swap

Link to JET Component

23. Column Share

The Column Share component is designed to allocate and display data in a column-based format. It enables the division of content into proportional sections for better layout and organization.

Following are the properties of this component:

- Columns 2,3
- Field Size 25-75, Equal, 40-60, 75-25, 60-40

Disclaimer: To create more than 3 column layout the designer can combine two form layouts and achieve the desired column structure.

24. Conveyor Belt

A conveyor belt manages overflow for its child elements and allows scrolling among them.

- Orientation Horizontal, Vertical
- Arrow Visibility Auto, Visible, Horizontal
- Item Template Instance Swap



Link to JET Component

25. Drawer (JET Version)

A Drawer Popup is a panel that slides into the viewport. It can be placed at the start, end or **bottom** edge and it always overlays the page.

Following are the properties of this component:

- Edge Start, End
- Body Instance Swap
- Header Boolean
- Header Text Text Input
- Sub Header Boolean
- Sub Header Text Text Input
- Hide Close Icon Boolean
- Show Footer Boolean

Link to JET Component

26. Link

The Link component is used to create clickable text elements that navigate users to external URLs, internal pages, or trigger specific actions within the application.

Following are the properties of this component:

- State Default, Primary, Secondary, Disabled
- Type Standalone, Embedded
- Label Text Input

Disclaimer: Use Figma's native prototyping feature for links that trigger components within the same page. For links that redirect to separate pages or external locations, handle them using the UI Toolkit.

27. List Item Layout (JET Version)

A List Item Layout represents layout used for list view item elements. To create a list view combine all list items and add them in a frame.

- Leading Boolean & Instance Swap
- Default Instance Swap
- Secondary Boolean & Instance Swap
- Tertiary Boolean & Instance Swap
- Overline Boolean & Instance Swap
- Metadata Boolean & Instance Swap
- Trailing Boolean & Instance Swap



- Action Boolean & Instance Swap
- Bottom Slot Boolean
 - Quaternary Boolean & Instance Swap
 - Navigation Boolean & Instance Swap

Disclaimer: Designers are recommended to use this component instead of RDS Component as this has been re-created specifically for the purpose of making it more compatible with the plugin.

Link to JET Component

28. List View (JET Version)

A list view displays data items as a list or a grid with highly interactive features.

Following are the properties of this component:

- Gridlines Hidden, All, In Between
- Drilldown True, False
- Item Template Instance Swap

Disclaimer: Designers are recommended to use this component instead of RDS Component as this has been re-created specifically for the purpose of making it more compatible with the plugin.

29. Modal Dialog (JET Version)

A dialog displays a popup window that provides information and gathers input from the application user. Modal dialogs require interaction before control can be returned to the outer window.

Following are the properties of this component:

- Hide Header Boolean
- Body Instance Swap
- Close Button Boolean
- Footer 3 buttons, 2 buttons, 1 button

Link to JET Component

30. Progress Bar

A progress bar allows the user to visualize the progression of an extended computer operation.

Following are the properties of this component:

Value: 0%, 10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%, 100%

Link to JET Component

31. Progress Circle

A progress circle allows the user to visualize the progression of an extended computer operation.



Value: 0%, 10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%, 100%

Link to JET Component

32. Spark Chart

A spark chart displays information graphically, typically highlighting the trend of a data set in a compact form factor.

Following are the properties of this component:

• Status - Neutral, Success, Critical

• Direction: Up, Down, No Change

Type – Line, Line with Area

Link to JET Component

33. Table

A table displays data items in a tabular format with highly interactive features.

Following are the properties of this component:

• Number of Columns: From 2, up to 12

Text Only: True, False

Link to JET Component

List of OBDX Components:

1. Account Input

This is a custom input field created specifically to select an account from a list of accounts fetched from a pre-configured API. It has two display modes: dropdown view and card view.

Following are the properties of this component:

Display: Dropdown, Card

Label: Text Input

Read Only: Boolean

Hide Label: Boolean

Value: Boolean

2. Address

The Address component is designed for entering address information within a form. It includes two elements: address input and address selection.

Following are the properties of this component:

Read Only – Boolean

Type – Saved Address, Branch Near Me, Custom



Address Enabled – Boolean

3. Amount Input

The Amount Input component is specifically designed for entering monetary values in a form. It supports input fields for currency formatting and precise value entry.

Following are the properties of this component:

- Label Hidden Boolean
- Read Only Boolean
- Currency List Boolean
- Mandatory Boolean
- Label Text Input
- View Limits Boolean

4. Icon

This component was created specifically to identify the correct icon from the Redwood icon repository. It is recommended that designers use this component when incorporating icons independently.

It has only one property of instance swap for selecting the correct icon.

5. Internal Account Input

The Internal Account Input component is designed for entering account numbers in a format commonly used in the banking domain. It consists of two input fields: a primary field for the account number and a secondary field for confirming the account number.

Following are the properties of this component:

- Required Boolean
- Mask Boolean
- State Default, Filled
- Read Only Boolean
- Confirm Style Account Boolean (for the secondary account number field)
- Confirm Label Text Input
- Label Text Input

6. Page Section

The **Page Section** component creates distinct sections on a page, allowing for clear organization and layout. It is especially useful for structuring forms, such as those needed for transaction screens.



Following are the properties of this component:

- Page Heading Boolean
- Header Template Boolean (for hiding the controls present on the header)

Phone Input

Phone Input allows users to input mobile number along with a dropdown for country code

Following are the properties of this component:

- Read Only Boolean
- Without Label Boolean
- Required Boolean

7. Quick Action Button

The **Quick Action Button** provides a shortcut to specific tasks or actions related to particular modules or transactions, streamlining user interaction. It consists of an avatar, primary text and a custom slot.

Following are the properties of this component:

- Primary Text Text Input
- Custom Slot Boolean & Instance Swap
- Avatar Dedicated Component Properties (defined by Redwood)

8. **Row**

The **Row** component displays read-only data in a label-value format, allowing designers to customize how the information is presented.

- Type Primary, Secondary, Disabled, Success, Warning, Danger
- Size 2XS, XS, SM, MD, LG, XL
- Label Text Input
- Value Text Input



5. Creating Business Components

Business components are custom-built components created to meet specific module or design needs. Use them when you want to build something reusable across your designs.

5.1 When to Create a Business Component

Create a business component only if:

- It will be used multiple times in your design
- It is a reusable unit of UI

5.2 How to Create Business Components

- Always build business components using components from the supported libraries.
- The plugin reads Boolean and Text properties directly from Figma and configures them automatically in the toolkit.

5.3 Handling Device - Specific Variants

To support different devices (e.g., Desktop and Mobile):

- 1. Add a variant property named 'Device'
- 2. Add variant values: Desktop and Mobile

Disclaimer: The property name and value are case-sensitive and users are advice to adhere to the mentioned standards

5.4 **Handling Other Variants**

For other types of variants:

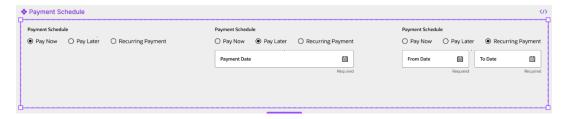
- Create a master component named masterComponent
- 2. Add all possible variant combinations as individual components inside it
- 3. Use conditional UI logic to control the visibility or behaviour of each variant based on the selected property

For example:

Let's say you want to create a Payment Schedule component with the following variants:

- 1. Pay Now No additional fields
- 2. Pay Later Includes a single date input
- 3. Recurring Payment Includes a date range (From and To date inputs)





To make this work with the plugin:

- Create a fourth variant called 'masterComponent'
- Inside masterComponent, include **all the UI elements** from all three variants (i.e., the date input and both date range fields)
- Apply conditional logic to show or hide specific elements based on the selected variant (e.g., only show the date range when 'Recurring Payment' is selected)

This setup ensures the plugin can map and configure all possible states of the component correctly.

Note: The property name and value are case-sensitive and users are advice to adhere to the mentioned standards

Tip: Make sure the variant property (e.g., Schedule Type) is clearly named and consistent across all variants.

Here's the detailed procedure on how to apply conditional logic: Add Conditions

5.5 **Exporting Business Components**

The procedure to export a business component is the **same** as exporting an **'Individual Page'**. The user just needs to ensure that they check the 'Re-usable Component' checkbox



6. Supported Variables in Figma

The plugin supports predefined variables from the Oracle JET and OBDX framework. These variables are essential for maintaining consistency across the application and are defined in the OBDX Component Library Figma file. Users must use variables from this library for the plugin to recognize and process them correctly.

Types of Supported Variables

The plugin supports the following types of variables:

- Colours
- Spacing (including padding and gap)

How Variables Work

The plugin reads only the variable name, not its actual value. This ensures that the application theme, set by the admin, determines the final appearance.

For example:

- If a text element is assigned a colour variable brand-120, which defaults to deep lilac, the plugin will recognize brand-120 but not its colour value. The application's theme will define the actual colour displayed.
- Similarly, for spacing and padding, the plugin identifies the variable names without interpreting their numerical values.

By following this approach, the plugin ensures design consistency while allowing flexibility through theme customization.



7. List of Templates

UI Templates are pre-designed layouts that provide a structured framework for creating user interfaces. They help streamline the design process by offering standardized, reusable components and styles, ensuring consistency and efficiency in the development of applications.

Predefined templates of OBDX Application that are supported by the plugin include:

- Transaction Template
- Widgets
- Overview Template

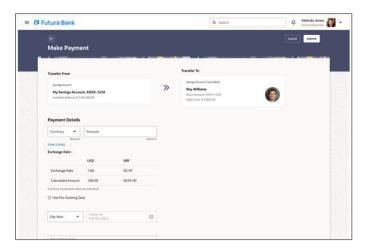
7.1 <u>Transaction Template</u>

A streamlined three-step process designed for accuracy and ease of use, consisting of an initiation screen, a review screen, and a confirmation screen.



Initiation Screen

The starting point of the process, where users input or select initial information to begin the workflow.





Following are the properties of the initiation page:

- Title Text Input
- Context Switcher Boolean
- Show Subtitle Boolean
- Action Slot Boolean
 - Secondary Button Type Default, Menu Button
 - Primary Button Boolean
 - Secondary Button Boolean
 - > Tertiary Button Boolean
- Footer Tabs Boolean

How to create Transaction template using the UX Plugin:

- a. Use the **Create New** feature (link to Create New section) to create a series of page sections and make the desired changes to the input fields.
- Once the form is ready, convert the page sections into the transaction template, using
 Generate from Existing Transaction feature (link to Generate from Existing Transaction section)
- c. Make the necessary changes to the template and proceed towards exporting the template (link to Export Transaction) section



Widgets

The dashboard page enables users to create and display widgets, offering graphical representations of information for quick insights and a personalized experience.



Following are the properties of widgets:

- Full Body Boolean (a property that eliminates the header and footer)
- Body List View, Chart, Custom
- Body Slot Instance Swap (applicable on from Custom Body)
- Heading Boolean & Text Input
- Description Boolean & Text Input
- Action Slot Boolean & Instance Swap
- Custom Description Slot Boolean & Instance Swap
- Footer Boolean & Instance Swap

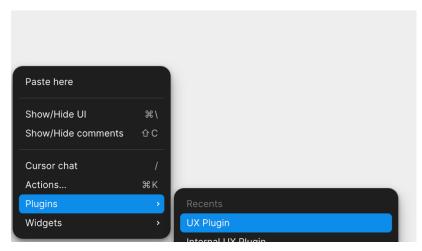
7.1.1 How to create a transaction experience using the UX Plugin:

a. Step 1: Launch the Plugin

Right-click anywhere on the Figma design board and navigate to:

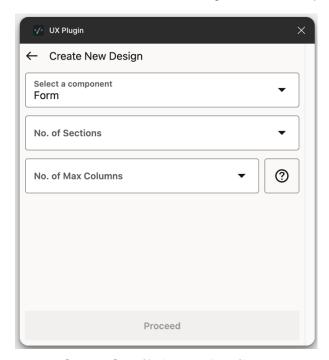
Plugins → UX Plugin





b. Step 2: Generate a Boilerplate Form

Use the Create New Design feature in the plugin to create a base form layout.

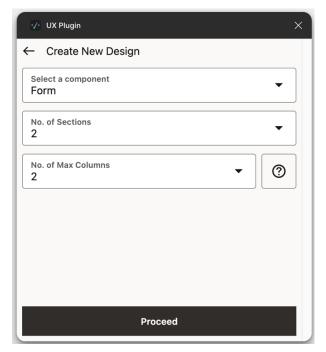


c. Step 3: Specify Layout Details

Input the number of sections and the Max Columns.

Max Columns refers to the maximum number of columns displayed on the largest screen size (e.g., desktop layout).





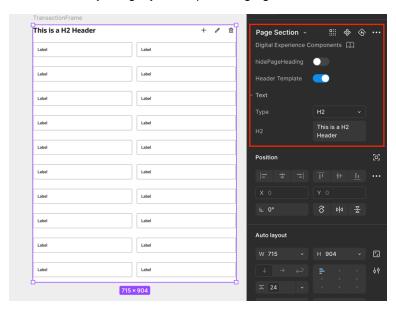
d. Step 4: Customize the Form

The plugin will generate a boilerplate form with random input fields.

Replace these fields with the ones needed for your use case.

You can also make additional modifications such as:

- Hiding the page header
- Toggling header template actions
- Adjusting layout as per design guidelines





e. Next Step

Once the form is ready, proceed to convert it into a transaction template using the process outlined in the **Convert to Template – Transaction** section.

7.2 Widgets

The dashboard page enables users to create and display widgets, offering graphical representations of information for quick insights and a personalized experience.



Following are the properties of widgets:

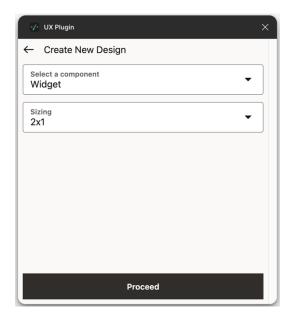
- Full Body Boolean (a property that hides the header and footer)
- Size: 8 pre-defined sizes supported as per the Masonry Layout of Oracle JET
- Body Instance Swap
- Body Slot Instance Swap (applicable on from Custom Body)
- Heading Boolean & Text Input
- Description Boolean & Text Input
- Header Slot Boolean & Instance Swap (action slot)
- Custom Description Slot Boolean & Instance Swap
- Footer Boolean & Instance Swap

7.2.1 How to create widgets using the UX Plugin:

a. Step 1: Create the Widget

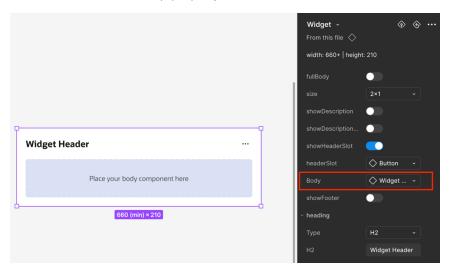
Use the plugin's Create New feature to generate a pre-built widget. You can select the widget size during this step.





b. Step 2: Design the Body

Design the widget's body, convert it into a component, and place it into the Body Slot using the Instance Swap property.



c. Step 3: Configure Properties

Give your widget a name and set the remaining properties as needed.

d. Next Step

Once your widget design is ready, user can export the widget - Link to Export Widget procedure



7.3 Overview

The Overview Template is used to display detailed information about a specific **product** or **listing**. It is always paired with a relevant product or listing context and is typically navigated to from a

Listing Page.



7.3.1 Structure

The template is divided into two main sections:

1. Side Panel

A compact section that displays key summary details of the product or listing.

Overview Body

A larger, scrollable area that presents in-depth and dynamic content such as:

- Tables
- Graphs
- Stats
- Other associated details

7.3.2 Listing Page

This page typically includes a **Tabular**, **Grid View or List View** component. It fetches and displays data based on the attached **business service**.





Properties of the Overview Template:

This template includes properties of 'Listing Page' and 'Overview Page'

Following are the properties of this component:

- Empty State (Listing Page): Boolean
- Listing Page
 - Listing Menu: Boolean
 - Show Bottom Footer: BooleanListing Body: Instance Swap
- Listing Header
 - Title: Text Input
 - Show Subtitle: BooleanAction Slot: Boolean
- Listing Body: Instance Swap
- Overview Page
 - Overview Menu: Boolean
 Show Bottom Footer: Boolean
 Side Panel: Instance Swap
- Overview Header
 - > Title: Text Input
 - Context Switcher: BooleanShow Subtitle: BooleanAction Slot: Boolean

In App Navigation (Bottom Footer): Nested Instance Properties as provided by Redwood Design

7.3.3 How to design an overview template using the UX Plugin:

a. Step 1: Design the Main Components

Create the Overview Body and Side Panel components in Figma.

These form the two primary sections of your overview layout—the body for detailed content and the side panel for key summary info.

b. Step 2: Export as Business Components

Export both components individually as **Business Components**.

This ensures they can be reused and referenced when building the final template.

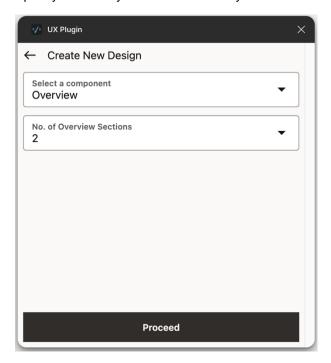


Note: The procedure to export business components is the same as exporting individual pages. Link to Export to Toolkit - Individual Page

c. Step 3: Generate Overview Layout

Run the plugin and use the 'Create New' feature to create a pre-structured overview layout.

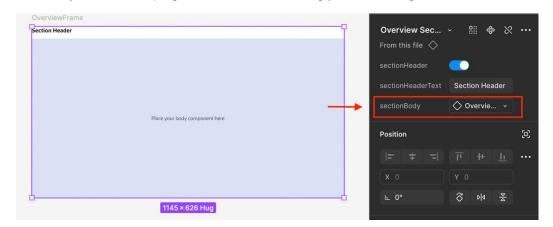
Specify how many overview sections you need.



d. Step 4: Replace Placeholder Content

After the layout is generated, replace the dummy overview body with your actual **Overview Body** component.

This lets you retain the plugin's structure while using your real design.





e. Next Step

After this, convert the design into Overview Component – Link to the procedure of ' $\underline{\text{Convert to}}$ $\underline{\text{Template} - \text{Overview}}$ '



8. Auto Layout to Flexbox Mapping

The core principle:

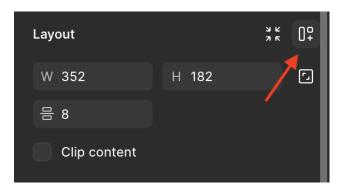
An Auto Layout frame in Figma directly maps to a Flex container (display: flex) in CSS. The layout properties you set on the Auto Layout frame and its children determine how the plugin translates them into Flexbox properties.

Prerequisites

To use these features, the parent frame must have Auto Layout enabled.

How to Enable Auto Layout:

 Select the frame and click the Add Auto Layout button next to Layout in the right-hand panel



Or use the shortcut Shift + A (after selecting the required frame)

Note: This document only explains how the plugin maps Figma's Auto Layout properties to their corresponding CSS Flexbox properties. It does not cover other Figma layout features or general CSS flex concepts outside this mapping context.

8.1 <u>Direction (flex-direction)</u>

CSS Equivalent:

flex-direction: row; (horizontal) or flex-direction: column; (vertical)

Figma Concept:

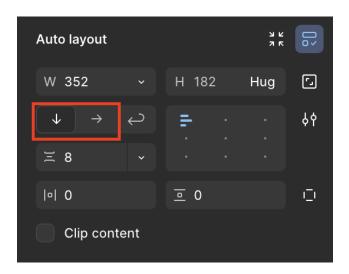
Controls the primary axis along which items are arranged in the Auto Layout frame.

How to Set in Figma:

- 1. Select the Auto Layout frame
- 2. In the Auto Layout section:
 - a. Click \rightarrow for flex-direction: row.



b. Click ↓ for flex-direction: column.



8.2 Wrap (flex-wrap)

CSS Equivalent:

- flex-wrap: wrap; Items wrap to the next line
- flex-wrap: nowrap; Items stay on a single line (default)

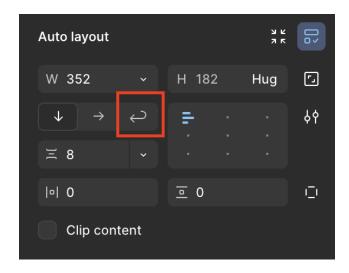
Figma Concept:

Figma allows similar behaviour using the "Wrap" toggle in Auto Layout.

How to Set in Figma:

- 1. Select the Auto Layout frame
- 2. Enable the Wrap toggle in the Auto Layout panel
- 3. Items will wrap to the next line when space runs out





8.3 Align Items (align-items)

Controls alignment along the cross axis

CSS Equivalent:

align-items: flex-start | center | flex-end | stretch;

Figma Concept:

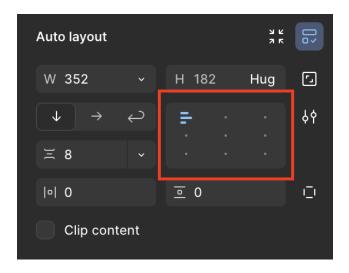
Aligns children perpendicular to the Auto Layout direction.

How to Set in Figma:

- 1. Select the Auto Layout frame
- 2. Use the Alignment Grid (3x3 dot grid) in the design panel
- 3. Mapping:
 - a. For Horizontal (\rightarrow) direction:
 - i. Top \rightarrow flex-start
 - ii. Center → center
 - iii. Bottom → flex-end
 - b. For Vertical (↓) direction:
 - i. Left → flex-start
 - ii. Center \rightarrow center
 - iii. Right \rightarrow flex-end

Note: Stretch behaviour – If children are set to Fill container, the behave like align-items: stretch





8.4 Justify Content (justify-content)

Controls distribution along the main axis

CSS Equivalent:

justify-content: flex-start | center | flex-end | space-between | space-around;

Figma Concept:

Managed via the Spacing Mode in Auto Layout.

How to Set in Figma:

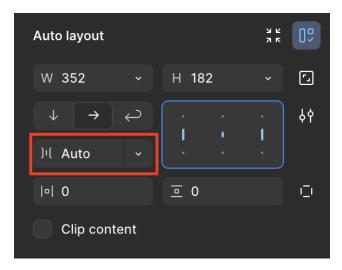
- 1. Select the Auto Layout frame
- 2. Open the Spacing Mode dropdown
- 3. Options:
 - a. Packed \rightarrow flex-start
 - b. **Space Betwee**n → space-between
 - c. Center \rightarrow center

Note: on space-around:

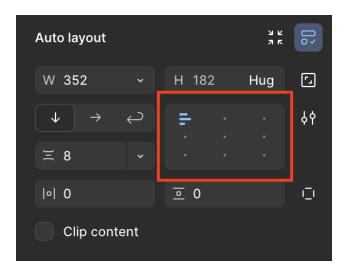
Figma doesn't directly support space-around, but the plugin maps it if:

The container's padding equals twice the gap between items





(reference for space-between)



(reference for flex-start)

8.5 Gap (gap, row-gap, column-gap)

CSS Equivalent:

gap, row-gap, column-gap - Spacing between items

Figma Concept:

Set via the Spacing Between Items input in Auto Layout.

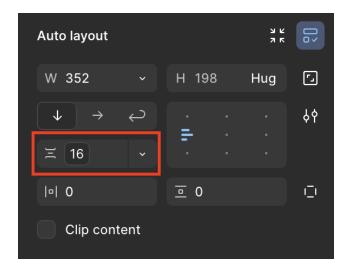
How to Set in Figma:

- 1. Select the Auto Layout frame
- 2. Enter a value in Spacing Between Items
 - a. For \rightarrow (Row): Maps to column-gap



- b. For ↓ (Column): Maps to row-gap
- 3. Some versions of Figma may show separate controls for horizontal and vertical gaps

Note: Please ensure that you use spacing variable instead of explicit gap value.



8.6 Padding (padding)

CSS Equivalent:

padding, padding-top, padding-right, etc.

Figma Concept:

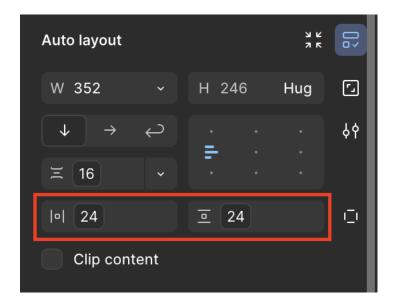
Space inside the container pushing children inward.

How to Set in Figma:

- 1. Select the Auto Layout frame
- 2. Use Padding Around Items in the Auto Layout section
- 3. Options:
 - a. Uniform padding → One value (e.g. padding: 16px;)
 - b. Vertical & Horizontal padding → Use "Alignment & padding" icon
 - c. Individual sides → Use "Independent paddings" icon for full control

Note: Please ensure that you use padding variable instead of explicit value.





8.7 Flex Sizing (Child Behavior)

CSS Equivalent:

flex: initial, flex: 1, align-self, width, height

Figma Concept:

Set via the Resizing settings on child elements inside an Auto Layout frame.

8.7.1 <u>Hug Contents → flex: initial</u>

CSS Equivalent:

flex: 0 1 auto - No grow, size to content

How to Set in Figma:

- 1. Select the child element
- 2. Identify parent's main axis:
 - a. Horizontal (\rightarrow) = Main Axis: Horizontal
 - b. Vertical (↓) = Main Axis: Vertical
- 3. Set the child's resizing for main axis to Hug Contents

Result:

The element keeps its content size and won't grow. Ideal for text and icons.



8.7.2 Fill Container → flex: 1 (Grow)

CSS Equivalent:

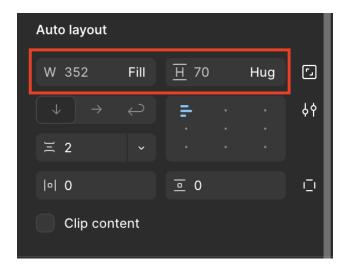
flex: 1 1 0% or width: 100% depending on axis

How to Set in Figma:

- 1. Main Axis Grow (e.g., make item fill remaining space):
 - a. Set resizing to Fill Container along the main axis
- 2. Cross Axis Stretch (e.g., full width/height):
 - a. Set resizing to Fill Container along the cross axis
 - b. Requires parent's align-items to allow stretching

Result:

The child fills available space. Perfect for flexible layouts and shared columns.





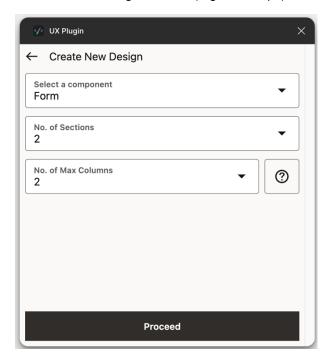
9. Create New Design

This feature allows for the automatic creation of design components in Figma based on predefined specifications. It streamlines the early stages of the design process by providing standardized elements, enabling designers to efficiently begin their work with consistent and compliant components.

The Create New Design feature supports:

Forms

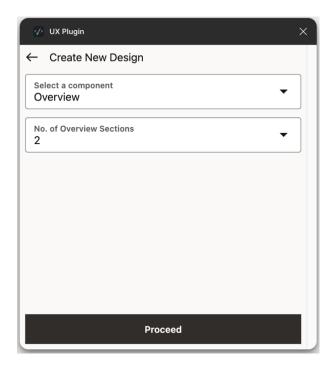
- Auto-generates a boilerplate form with random input fields.
- Fields can be replaced to suit your design requirements.
- Users can:
 - Specify the number of form sections.
 - Define the maximum number of columns, which refers to how many columns appear on large screens (e.g., desktops).



Overview Sections (Body)

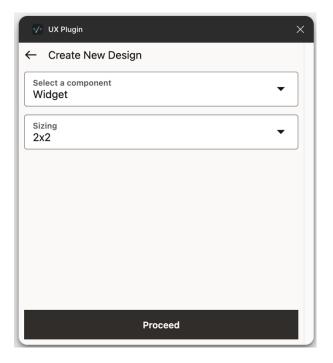
- Generates dummy overview sections used in the body of an overview template.
- Users can define the number of overview sections needed.
- The dummy section can be replaced with a user-designed business component using the instance swap property.





Widgets

- Creates a pre-built widget in the specified size.
- Includes a placeholder body that can be swapped with a user-designed component using the instance swap property.





10. Modify Component

This feature enables designers to refine and enhance existing components, simplifying the process of adjusting components to meet specific design and interaction requirements efficiently.

This feature has 2 capabilities:

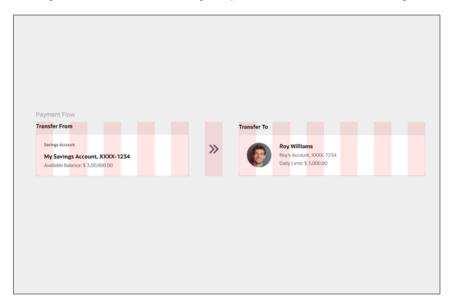
- Add Grid
- Add Conditions

10.1 Add Grid

This feature allows the designers to ensure the correct grid structure will be implemented to the designed components when the screens are exported into the UI toolkit.

For example:

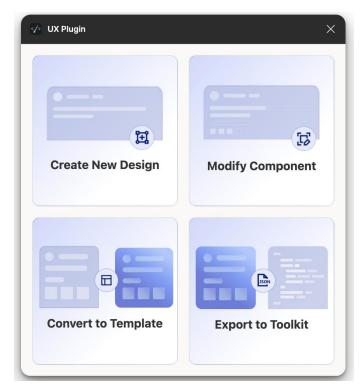
If designers want to ensure the grid specification of the below design is translated identically,



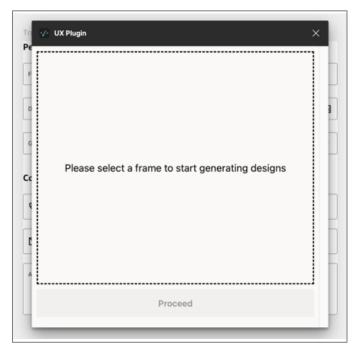
they should:

1. Run the plugin and choose the **Modify Component** option.





2. Select the frame on which the grid specifications need to be added.



3. After selecting the frame, select the **Add Grid** option and click on the **Add New Grid** button at the bottom of the window.





4. On the Add New Grid page, the plugin will automatically detect and list the child components of selected frame. The designer just needs to specify the grid size, its alignment and click Save to save the specifications.





10.2 Add Conditions

This capability allows designers to define complex interaction handling for supported components. It establishes a relationship between two components:

- Variable component: The dependent component that changes based on input from the controlling component.
- **Controlling component:** The component that determines what is displayed or how the variable component behaves.

This feature simplifies managing interactions within a particular component ensuring dynamic design behavior.

This capability has two use cases:

- 1. Show/Hide of variable component based on the explicit value, state or selection of the controlling component.
- 2. Show/Hide of variable component based on the defined properties of the controlling component.

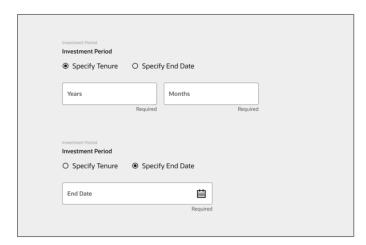
Disclaimers:

- > For cases where there are multiple variable components controlled by a single controlling component, place all the variable components in a single frame.
- > For cases where the interaction leads an external component, please use Figma's native prototyping feature.

Case 1: Show/Hide of variable component based on the explicit value, state or selection of the controlling component.

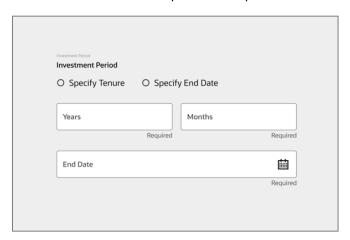
For example:

To hide and show the relevant fields on the click of the below radio button:

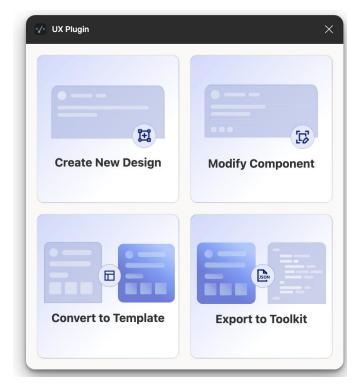




1. Ensure that all the components are present in one single frame.

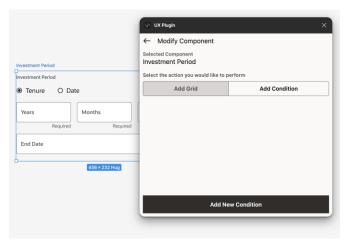


2. Select the designed frame, run the plugin, and select the **Modify Component** option.

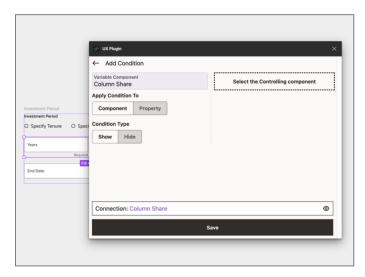


3. Select your variable component (in this case, the Input fields), choose the **Add Condition** option and click on the **Add New Condition** button at the bottom of the window.



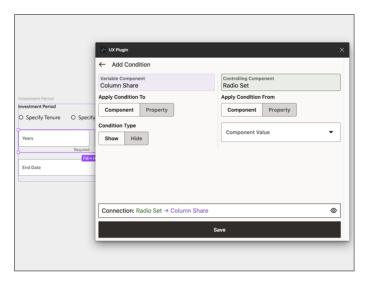


- 4. On the next page, choose what aspect of the variable component will be controlled by the controlling component.
 - The entire variable component, OR
 - A property of the variable component
 - In this case, show the entire variable component.

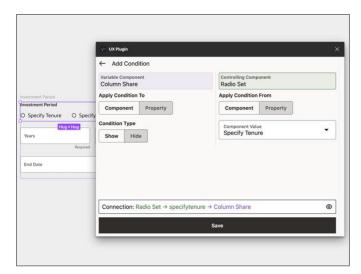


5. Tap on the button **Select the Controlling Component** and choose the controlling component **Radio Set**.



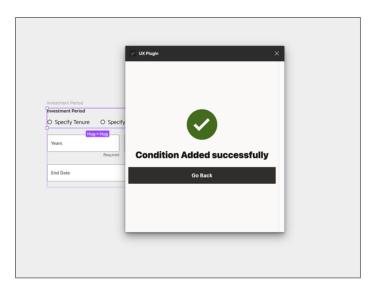


6. Select the controlling radio button **Specify Tenure** from the **Component Value** dropdown to control the visibility of the input fields on tap of the **Specify Tenure** radio button.



7. Review the condition through the connection flow present at the bottom of the window and click **Save** to save the condition.





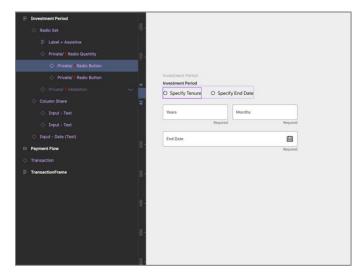
8. Repeat the same procedure for the other radio button **Specify Duration** and ensure that the connection reads:



Case 2: Show/Hide of variable component based on the defined properties of the controlling component.

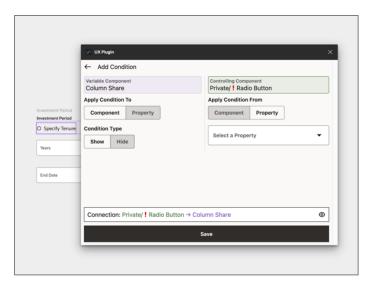
Repeat the Case 1:1-4 steps.

 After the variable component is set, to provide control to the Selected property of the Specify Tenure radio button, the exact layer of that radio button needs to be selected. For convenience use Figma's layer panel to select that specific layer

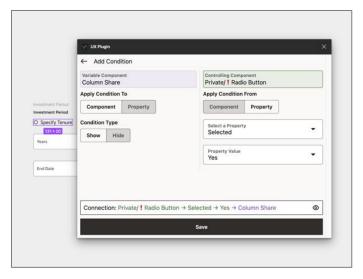


2. Once the right layer has been selected, get back to the plugin and apply the condition from **Property**.



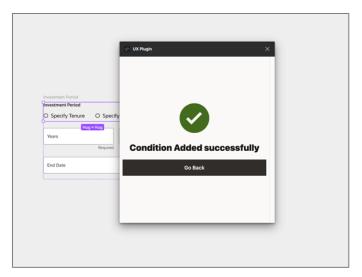


3. Choose the Selected property followed by the **Yes** property value from their respective dropdowns.



4. Review the condition through the connection flow present at the bottom of the window and click **Save** to save the condition.





5. Repeat the same procedure for the other radio button **Specify Duration** and ensure that the connection reads:



10.2.1 Add Logic

This capability allows designers to enhance conditions by adding and/or logic, enabling the creation of multiple, complex conditions for supported components. It provides greater flexibility in controlling component interactions and behavior.

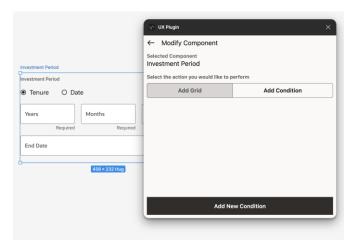
There are two types of Logics that can be added:

- OR Logic: The case is successful if it meets at least one of the conditions.
- AND Logic: The case is successful only if it meets all conditions.

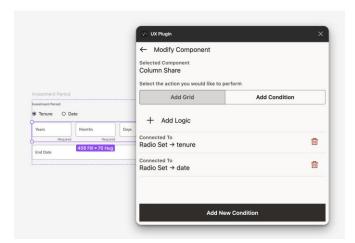
If there are multiple conditions added to a component, they are in an 'OR' logic.

To add conditions in an AND logic:

 Select the component containing multiple conditions, run the plugin, and click on Modify Component.

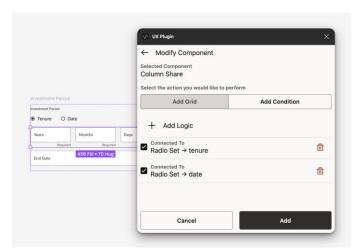


2. Select the Conditions button where the multiple conditions are listed and tap on Add Logic.

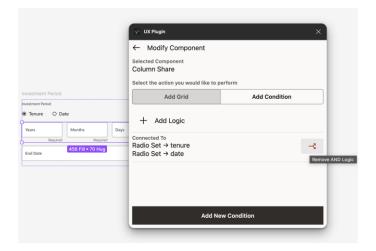




3. Select the conditions where the AND logic is to be applied and hit Add.



4. Removing the AND logic will default the logic to OR.





11. Convert to Template

Convert to Template feature helps users to convert their designs into standardised template as defined and supported in the application.

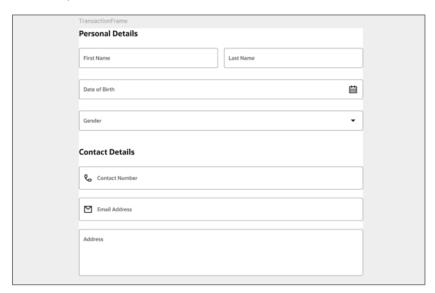
The latest release includes the following templates:

- 1. Transaction
- 2. Overview

11.1 Transaction

This capability converts a series of pages sections into a 3-step transaction template. For more details about the Transaction Template refer to the <u>Templates section</u>.

For example:



To convert the above user details form, follow the below steps:

1. Step 1: Prepare Your Form

Once your form—with the required sequence of page sections—is ready, run the plugin and select 'Convert to Template'.

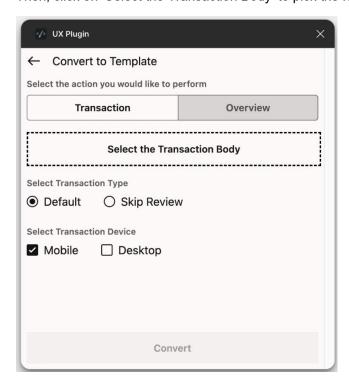




2. Step 2: Select the Transaction Body

Choose the 'Transaction' option.

Then, click on 'Select the Transaction Body' to pick the form you want to convert.





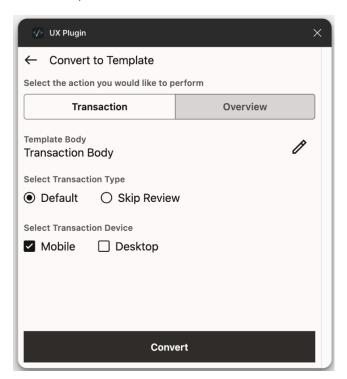
3. Step 3: Set Review Type and Device Type

After selecting the frame, specify the Review type you'd like to use.

Select the **Device type**: Desktop, Mobile, or Both.

If **Both** is selected, the plugin will automatically convert your design into both **Desktop and Mobile versions** of the Transaction Template.

Once done, click Save.



4. Step 4: Auto-Generate Template

Once saved, the plugin will automatically:

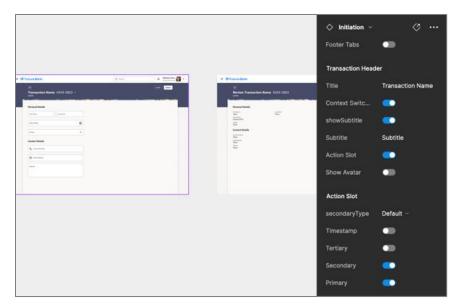
- Insert your form into the Initiation page, and
- Generate the **Review** and **Confirmation** pages for you.



5. Step 5: Customize and Export



After the Transaction Template is generated, you can customize it as needed—like updating the page title, subtitle, etc.—and then continue with the export process.



11.2 Overview

Once the components for Overview Body and Side Panel are designed and exported as business components, user can proceed towards converting it to Overview Template

1. Step 1: Launch the Plugin

Run the plugin and choose the 'Convert to Template' option from the main menu.

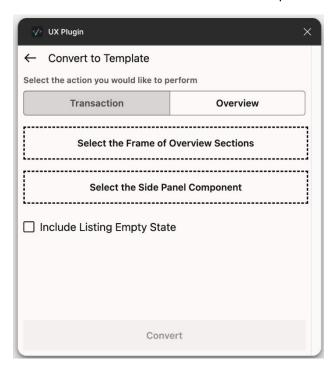




2. Step 2: Select the Overview Sections Frame and Side Panel

Select the frame containing the **overview sections** generated by the plugin.

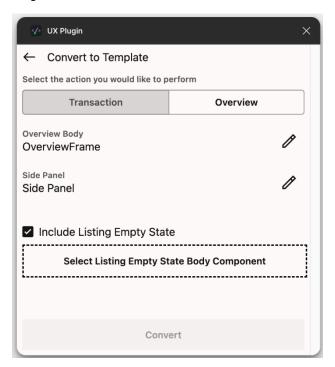
Make sure to also select the **Side Panel** component before proceeding.



3. Step 3: Add an Empty State (Optional)



If your listing page has a dedicated empty state component, you can select and export it at this stage.



4. Step 4: Final Touches

Once the template is generated, you can customize it as needed:

- Update header labels
- Add or adjust action menu items
- Choose icons for quick actions (useful for mobile layouts)

Once done, you can proceed to the export procedure - Link to Export to Toolkit - Overview



12. Export to Toolkit

This feature allows you to seamlessly convert your Figma design into a code-readable JSON structure. This JSON file contains all the component properties and layout details, making it easy for developers to use the design directly in their toolkit for further development and integration. Once, the design is complete, the designer should handover the design to the developer for exporting.

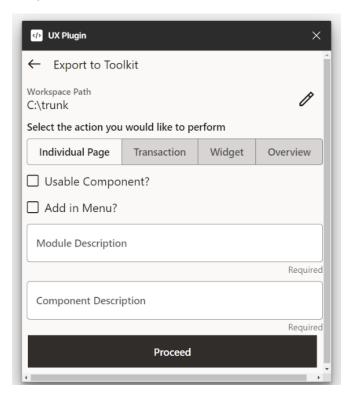
Disclaimer: Ensure that the toolkit is running in the background before initiating the export process.

As you head to the export section, you can choose the type of experience, that best fits your requirements. There are four different modes to choose from, each serving a unique purpose:

- a. Individual Page
- b. Transaction
- c. Widget
- d. Overview

12.1 Individual Page

Use this mode to export a single page of components or specific individual components from your design. It is ideal for exporting standalone pages, specific UI components or reusable business components.

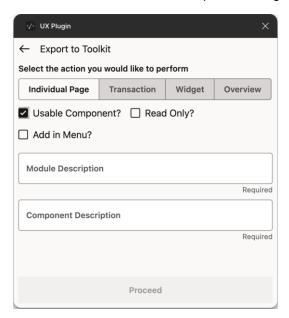




Steps to Export Individual Page:

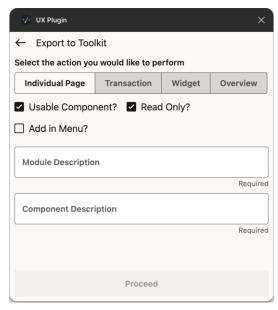
1. Usable Component?

Please check this box if the component being exported is intended for reuse.



2. Read Only?:

This checkbox represents if the selected component will have a read-only variant exported as well

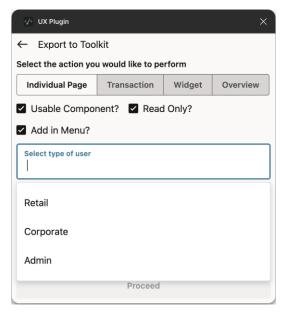


3. Add to Menu?:

- a. This option prompts you to decide whether to add the exported component or page to an existing menu within the application.
- b. If selected, you can choose one or more of the following menus to include your component in:

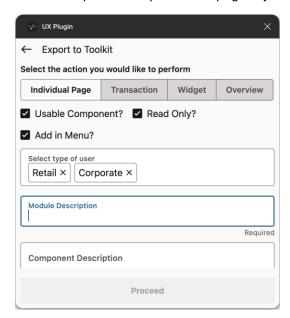


- i. Retail
- ii. Corporate
- iii. Admin
- In the subsequent pages user can place this page in the desired location of the applications menu (explained in Step 7)



d. Module Description:

- i. Enter a folder name where the JSON file will be stored. The base path for this folder is already defined in Step 1.
- ii. This folder will act as a container for the exported JSON, helping organize the exported components or pages systematically within the defined path.

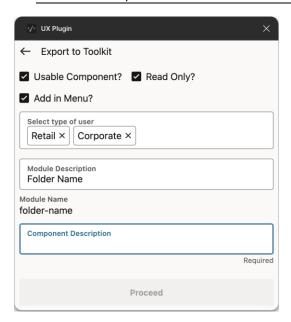


e. Component Description:



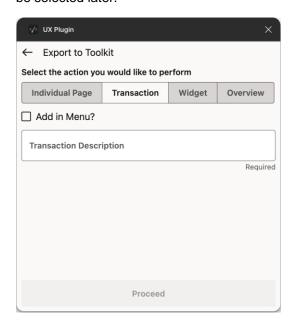
- i. Provide a file name for the JSON that will be generated and exported. This name should be descriptive and relevant to the component or page being exported.
- ii. The file name, along with the module folder, will form the complete path for the JSON file, ensuring it is easy to locate and reference in the toolkit.

Note: The component name is used to search the file in the toolkit.



12.2 Transaction

This mode is used for exporting transaction template. Ensure that the entire transaction frame must be selected later.

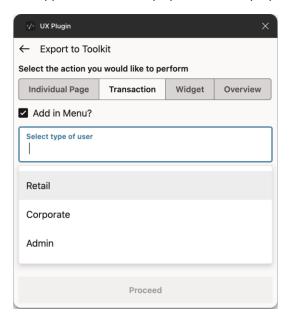


Steps to Export Transaction Template:

a. Add to Menu?:



- 1. This option prompts you to decide whether to add the exported component or page to an existing menu within the application.
- 2. If selected, you can choose one or more of the following menus to include your component:
 - i. Retail
 - ii. Corporate
 - iii. Admin
- 3. In the subsequent pages user can place this page in the desired location of the application's menu (explained in Step 7)

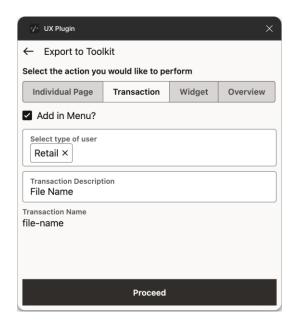


b. Transaction Description:

1. Provide a file name for the JSON that will be generated and exported. This name should be descriptive and relevant to the component or page being exported.

Note: The component name is used to search the file in the toolkit.





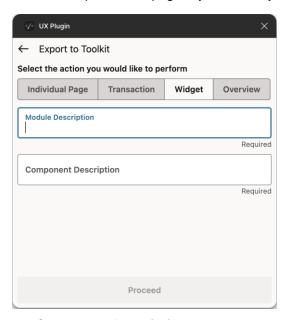


12.3 Widget

Choose this mode to export a set of components that function as widgets, typically used in dashboards or modular interfaces.

1. Module Description:

- 1. Enter a folder name where the JSON file will be stored. The base path for this folder is already defined in Step 1.
- 2. This folder will act as a container for the exported JSON, helping organize the exported components or pages systematically within the defined path.

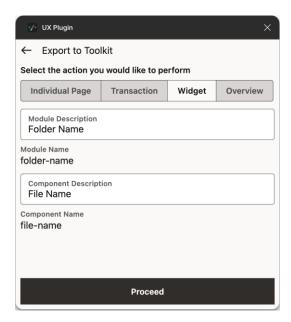


2. Component Description:

- 1. Provide a file name for the JSON that will be generated and exported. This name should be descriptive and relevant to the component or page being exported.
- 2. The file name, along with the module folder, will form the complete path for the JSON file, ensuring it's easy to locate and reference in the toolkit.

Note: The component name is used to search the file in the toolkit.



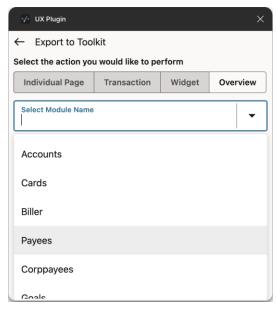


12.4 Overview

Choose this mode to export a set of components that function as widgets, typically used in dashboards or modular interfaces.

1. Module Name:

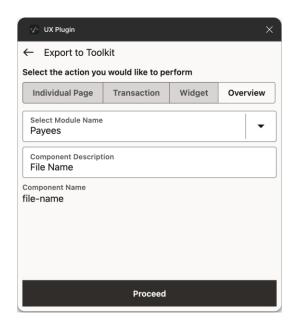
1. Select a module name from the list of available module names in your application where the Overview template has to be exported in.



2. Component Description:

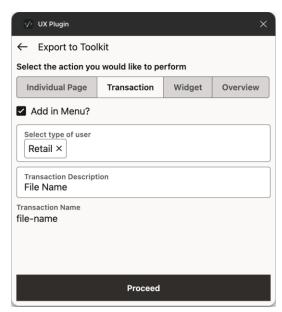
- 1. Provide a file name for the JSON that will be generated and exported. This name should be descriptive and relevant to the component or page being exported.
- The file name, along with the module folder, will form the complete path for the JSON file, ensuring it's easy to locate and reference in the toolkit.





12.5 After completing configurations

 After completing all the above steps for your selected export mode, click on the **Proceed** button. This action will finalize the export options and allow the user to either choose the path for the component from the listed **Menu** option (if available) or directly choose the designed component for exporting it to the toolkit.

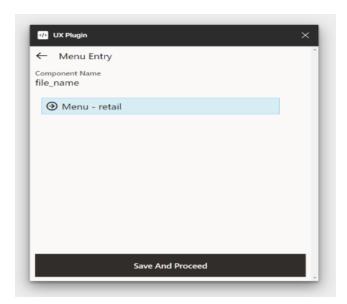


Upon proceeding further, the following two paths are possible:

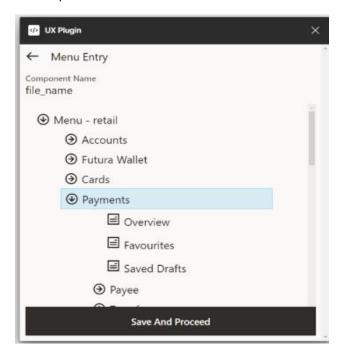
a. If Add to Menu? was selected:

1. A page will open displaying a tree structure of the application's menu. Select the specific path within the chosen menu (Retail, Corporate, or Admin) where you want to add the component. This will define its location within the application's menu structure.





2. After selecting the menu path, click on **Save and Proceed** to direct the plugin to the next page to choose the specific frame or component in your Figma design that has to be exported to the toolkit.



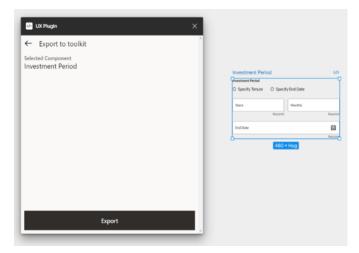
b. If Add to Menu? was not selected:

The plugin will be redirected to the page where you can select the frame or component in your Figma design to be exported to the toolkit.





2. Select the specific frame or component in your Figma design that you want to export. This frame will be converted into a JSON structure and integrated based on the configurations you have set in the previous steps. Click on **Export** to export the design into the toolkit.

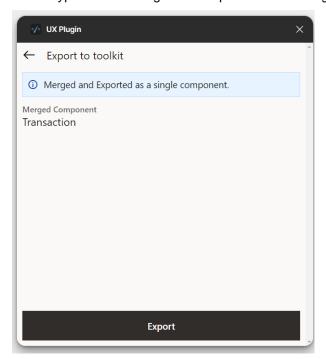


3. In case of Transaction template, you will also be provided an option to export both desktop and mobile experience in one go



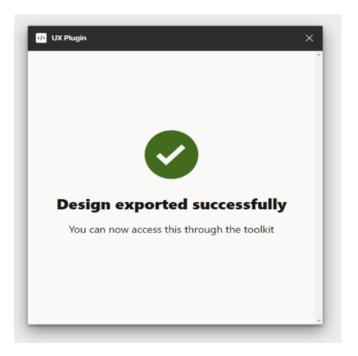


4. Once you select the alternate device component (in the above case Desktop), click export. Both device types will be merged and exported as one single component.



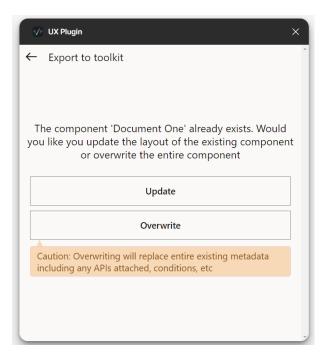
5. The design is now successfully exported to the toolkit based on the chosen configurations.





12.6 **Update and Overwrite**

If a component of the same type (individual page, business, transaction, or widget) and same name already exists, you will be prompted to either update the existing component or overwrite it.



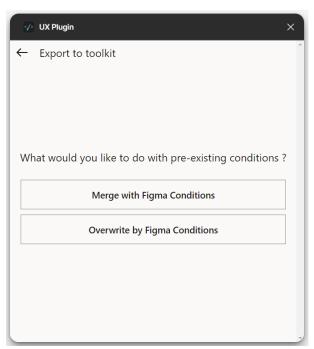
12.6.1 **Update:**

Only selective updates are applied, with the following rules:

The Hooks.js file remains unchanged.



Custom attributes from the new metadata are appended to the existing ones.

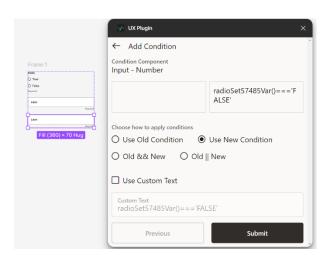


If the conditions for the component differ between the existing and new metadata, you'll be prompted with two options:

Merge with Figma Conditions:

Allows the user to choose how to combine the old and new conditions:

- Use the old condition
- Use the new condition
- Combine both with an AND operator
- Combine both with an OR operator
- Write a custom condition manually





Overwrite by Figma Conditions:

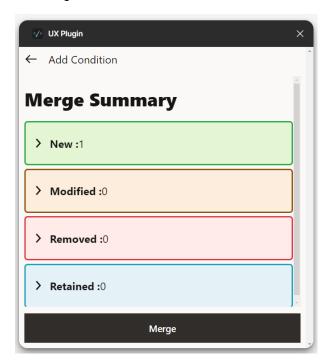
Replaces all existing conditions with the ones from the new metadata.

Merge Summary:

As part of this process, a Merge Summary step is shown to help users understand what has changed between the design in Figma and the existing application logic.

Merge Summary Categories

- 1. New: Conditions that didn't exist previously and have been added in the current design.
- 2. Modified: Existing conditions that have been updated or changed in the current design.
- 3. Removed: Conditions that were present earlier but have been removed in the current design.
- 4. **Retained:** A condition that existed in the old design and was not present in the new Figma design, but the user **chose to retain** it without any changes during the merge process.



12.6.2 Overwrite:

The entire metadata of the existing component will be completely replaced with the new metadata.

12.6.3 For different device types:

- Desktop and mobile attributes are merged.
- If there's a conflict between attribute, mobile attribute values take precedence.



FAQs

1. What are the prerequisites to use the UX plugin?

You'll need a basic understanding of Figma, Oracle's Redwood Design System, Oracle JET, and the UI Toolkit. Additionally, an active Figma license and the latest version of the UI Toolkit installed on your system are required.

2. How do I set up the plugin?

Follow the steps outlined in the Plugin Setup section of this manual to install and configure the plugin. Once set up, you can start designing with the plugin.

3. Can I create new components using the UX Plugin?

Yes, the plugin allows designers to kick-start their designs by automatically generating components based on the inputs provided. This is done through the Create New feature, which streamlines the process of setting up design components according to specified requirements.

4. How do I enhance existing components?

The Generate from Existing feature allows you to refine and enhance existing components. This includes capabilities such as converting to transactions, adding grids, and adding conditions.

5. What does the "Convert to Transaction" feature do?

This feature converts a series of page sections into a 3-step transaction template, which can then be further customized by the designer.

6. How do I add a grid to my design components?

Use the "Add Grid" capability under the "Generate from Existing" option to apply a grid structure to your components. Simply select the frame, specify the grid size and alignment, and save the specifications.

7. What is the purpose of the "Add Conditions" feature?

The "Add Conditions" feature allows designers to manage interactions between components by defining how one component (controlling component) affects another (variable component), such as showing or hiding elements based on user inputs.

8. What if I need to apply multiple conditions to a component?

You can use the "Add Logic" feature to apply "and/or" logic to your conditions, enabling the creation of more complex interaction handling.

9. Can I modify layer names in Figma?

It is recommended to keep the original layer names of components unchanged, as modifying them may result in recognition errors by the plugin.



10. What components are supported by the plugin?

The plugin supports components exclusively from the Oracle JET, Redwood Design and Digital Experience Component libraries. Other components are not recognized by the plugin.

11. How do I export my design to the UI Toolkit?

Once the design is complete, the UI developer can export the design to the UI Toolkit. Ensure that the toolkit is running in the background during the export process to avoid any issues.

12. Can I update an already exported design?

Yes, the plugin allows you to overwrite or update an existing design when exporting to the UI Toolkit. Details on this process can be found in the "Export to Toolkit" section.

