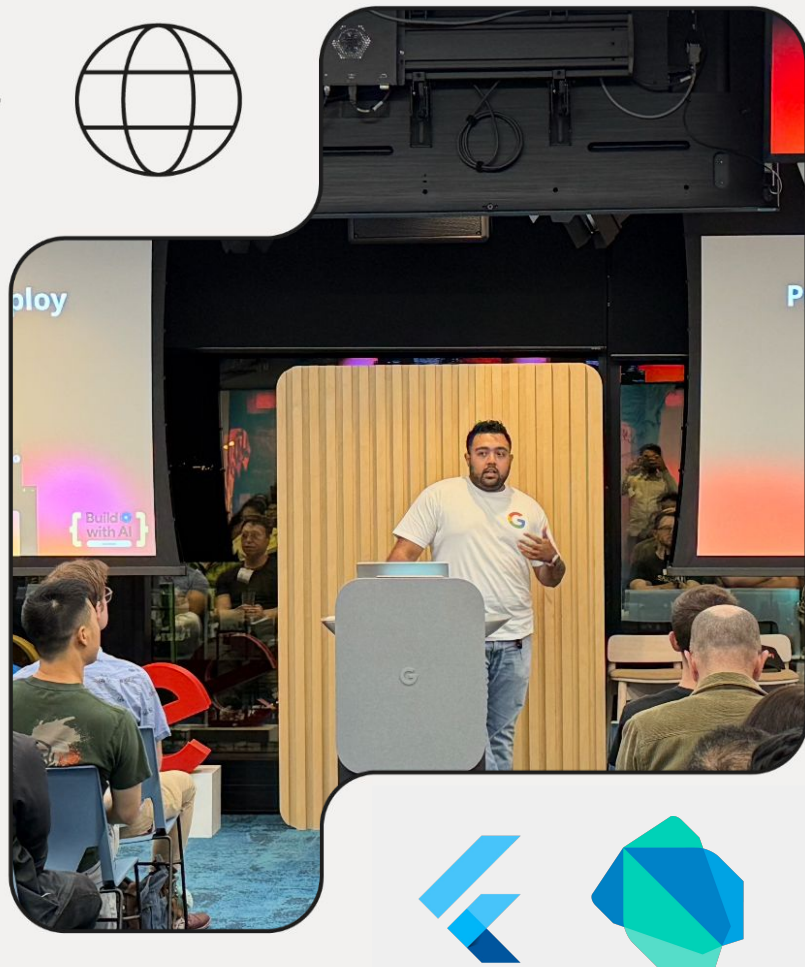{ **DevFest** }

Melbourne

Widgets to Catalog

Build your Flutter design systems

Dilum De Silva

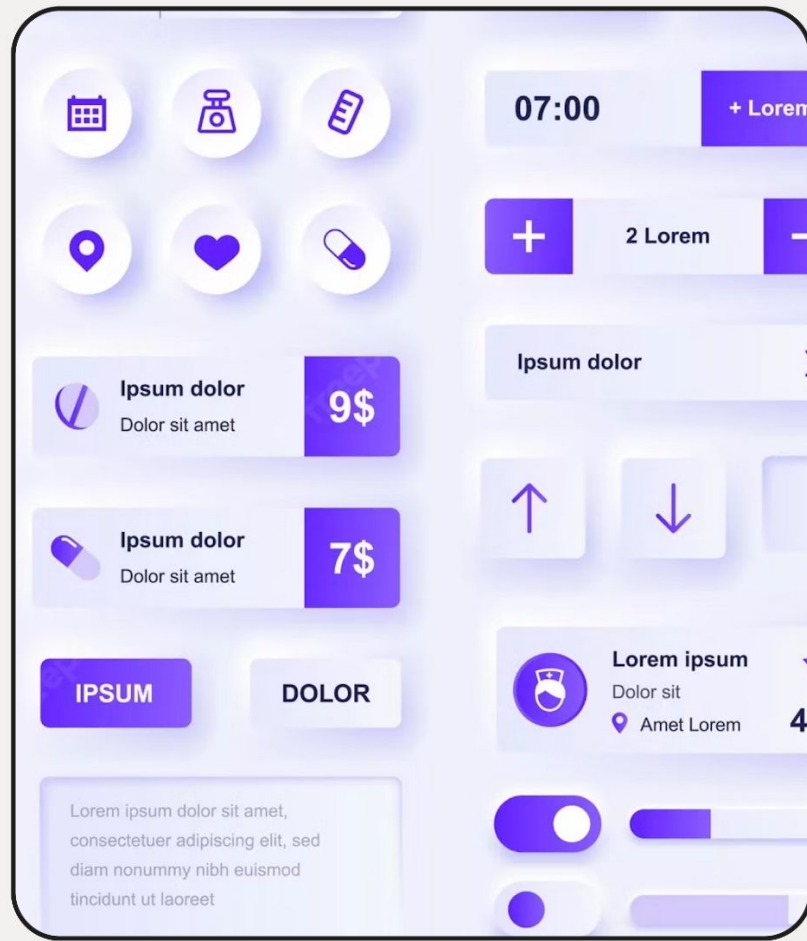Google Developer Expert
Sr Engineer @ AMP

How do you document and showcase all your custom widgets?

Figma

Confluence

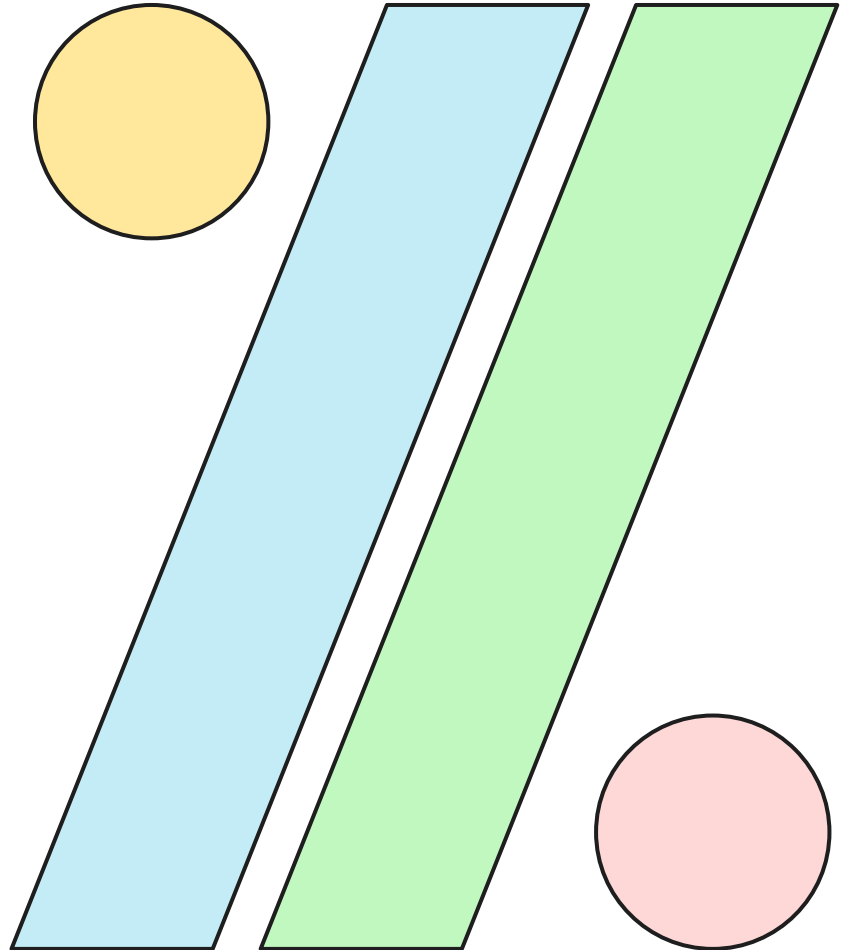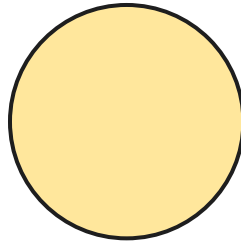# Challenges in widget development

- Hard to visualize widgets in isolation
- Difficult to test different states/configurations
- No central catalog for design system components
- Designer-developer collaboration gaps

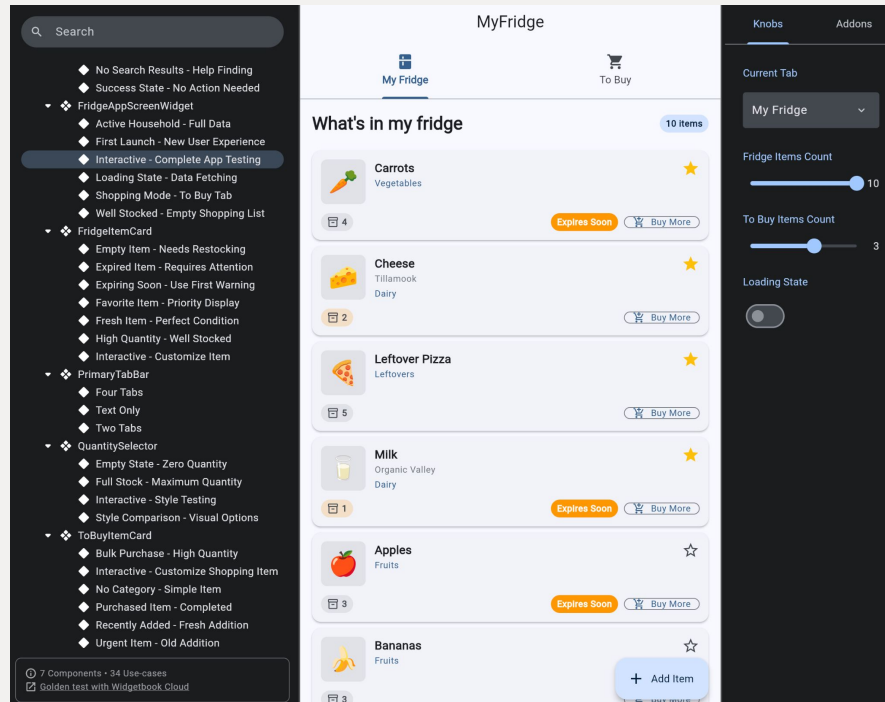# Widgetbook

pub.dev/packages/widgetbook

Flutter's answer to Storybook

Widgetbook is a Flutter package that provides a **catalog/showcase** environment for your Flutter widgets, allowing you to **develop**, **test**, and **document** UI components in **isolation** from your main application.

Storybook is a hugely popular tool in the web development world (React, Vue, Angular)
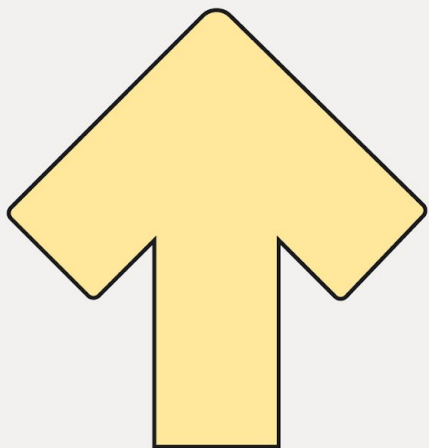
Core Concepts of Widgetbook?

01 Use cases (categories)

Different **variations** or **states** of a single widget. Each use case shows one specific example - like a button in its default, disabled, or loading state.
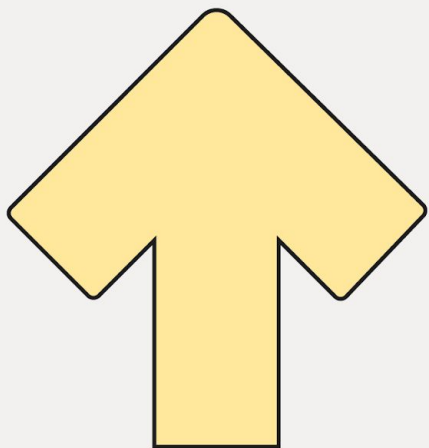
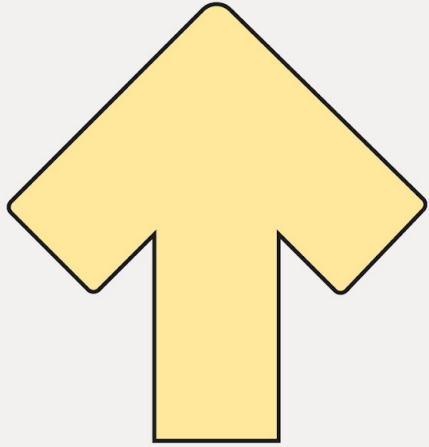You might also hear them called **'stories'** if you're familiar with Storybook

02 Knobs (interactive controls)

Interactive controls that let you **modify** widget **properties** in **real-time without changing code**. Toggle booleans, adjust numbers, change text, or select options - all while the app is running.
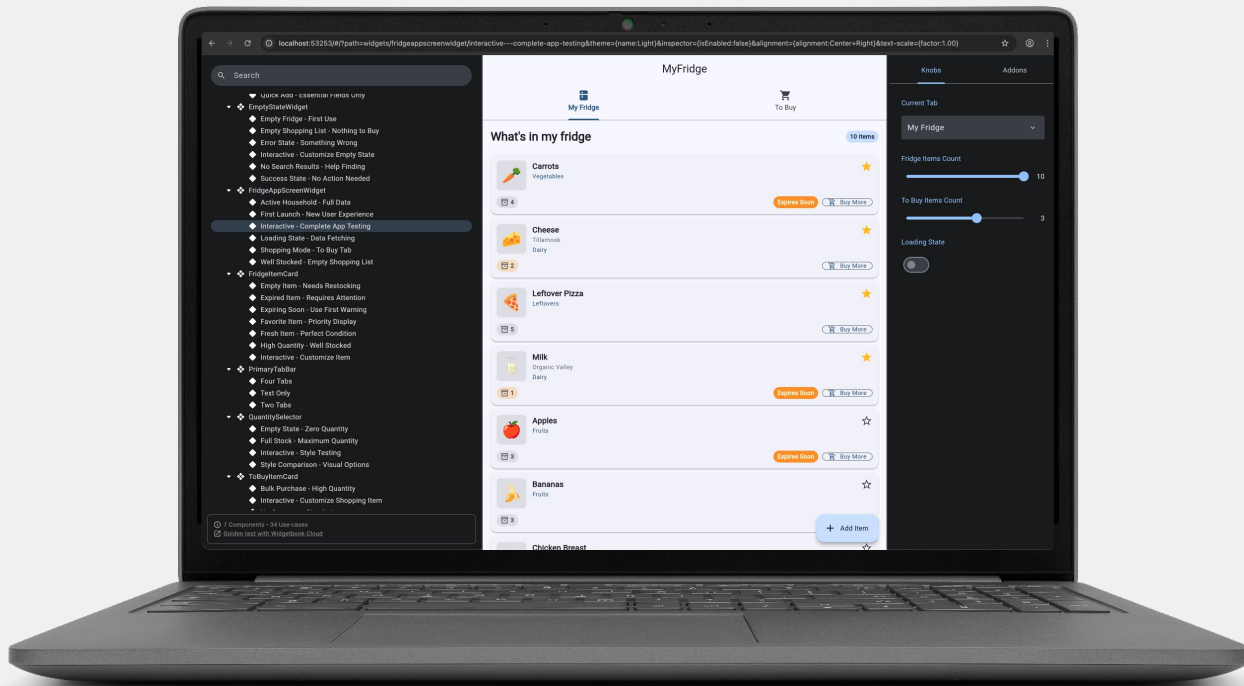
03 Add-ons (themes, devices)

Global features that apply to all your widgets at once. Switch between light/dark **themes**, preview on different **device frames** (iPhone, Android tablet), test different **languages**, or adjust **text scaling**.

Widgetbook Demo

Key benefits:

- Isolated widget development
- Documentation as code
- Multiple device previews
- Different themes/localizations testing
- Reusable widgets become a practice

Key benefits:

- Isolated widget development
- Documentation as code
- Multiple device previews
- Different themes/localizations testing

Thank You!

Slides and code can be found at
dilumdesilva.dev