Cookbook

Docs Cookbook

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This cookbook contains recipes that demonstrate how to solve common problems while writing Flutter apps. Each recipe is self-contained and can be used as a reference to help you build up an application.

Animation

- Animate a page route transition
- Animate a widget using a physics simulation
- Animate the properties of a container
- Fade a widget in and out

Design

- Add a Drawer to a screen
- Display a snackbar
- Export fonts from a package
- Update the UI based on orientation
- Use a custom font
- Use themes to share colors and font styles
- Work with tabs

Forms

- Build a form with validation
- Create and style a text field
- Focus and text fields
- Handle changes to a text field
- Retrieve the value of a text field

Gestures

- Add Material touch ripples
- Handle taps
- Implement swipe to dismiss

Images

- Display images from the internet
- Fade in images with a placeholder

• Work with cached images

Lists

- Create a grid list
- Create a horizontal list
- Create lists with different types of items
- Place a floating app bar above a list
- Use lists
- Work with long lists

Maintenance

Report errors to a service

Navigation

- Animate a widget across screens
- Navigate to a new screen and back
- Navigate with named routes
- Pass arguments to a named route
- Return data from a screen
- Send data to a new screen

Networking

- Delete data on the internet
- · Fetch data from the internet
- Make authenticated requests
- Parse JSON in the background
- Send data to the internet
- Update data over the internet
- Work with WebSockets

Persistence

- Persist data with SQLite
- Read and write files
- Store key-value data on disk

Plugins

- Play and pause a video
- Take a picture using the camera

Testing

Integration

- An introduction to integration testing
- Handle scrolling
- Performance profiling

Unit

- An introduction to unit testing
- Mock dependencies using Mockito

Widget

- An introduction to widget testing
- Find widgets
- Tap, drag, and enter text