

FLUTTER TUTORIALS

BY: TECMAN

TECMAN Lesson 12

Add a Drawer to a screen

In apps that use Material Design, there are two primary options for navigation: tabs and drawers. When there is insufficient space to support tabs, drawers provide a handy alternative.

In Flutter, use the <u>Drawer</u> widget in combination with a <u>Scaffold</u> to create a layout with a Material Design drawer. This recipe uses the following steps:

- 1. Create a Scaffold.
- 2. Add a drawer.
- 3. Populate the drawer with items.
- 4. Close the drawer programmatically.

TECMAN LIMITED 2019

2

1. Create a Scaffold

To add a drawer to the app, wrap it in a <u>Scaffold</u> widget. The Scaffold widget provides a consistent visual structure to apps that follow the Material Design Guidelines. It also supports special Material Design components, such as Drawers, AppBars, and SnackBars.

In this example, create a Scaffold with a drawer:

```
Scaffold(
drawer: // Add a Drawer here in the next step.
);
TECMAN LIMITED 2019
```

2. Add a drawer

Now add a drawer to the Scaffold. A drawer can be any widget, but it's often best to use the Drawer widget from the <u>material library</u>, which adheres to the Material Design spec.

```
Scaffold(
  drawer: Drawer(
    child: // Populate the Drawer in the next step.
)
);
```

3. Populate the drawer with items

Now that you have a Drawer in place, add content to it. For this example, use a <u>ListView</u>. While you could use a Column widget, ListView is handy because it allows users to scroll through the drawer if the content takes more space than the screen supports.

Populate the ListView with a <u>DrawerHeader</u> and two <u>ListTile</u> widgets. For more information on working with Lists, see the <u>list recipes</u>.

3. Populate the drawer with items

```
Drawer(
  // Add a ListView to the drawer. This ensures the user can scroll
  // through the options in the drawer if there isn't enough vertical
  // space to fit everything.
  child: ListView(
    // Important: Remove any padding from the ListView.
    padding: EdgeInsets.zero,
    children: <Widget>[
      DrawerHeader(
        child: Text('Drawer Header'),
        decoration: BoxDecoration(
          color: Colors.blue,
      ListTile(
        title: Text('Item 1'),
        onTap: () {
          // Update the state of the app.
          11 ...
      ListTile(
        title: Text('Item 2'),
        onTap: () {
         // Update the state of the app.
```

4. Close the drawer programmatically

After a user taps an item, you might want to close the drawer. You can do this by using the <u>Navigator</u>.

When a user opens the drawer, Flutter adds the drawer to the navigation stack. Therefore, to close the drawer, call

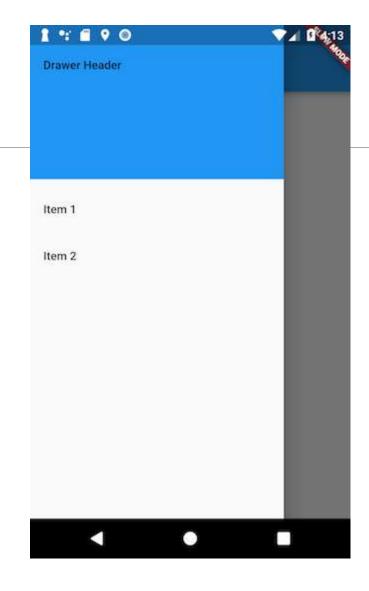
Navigator.pop(context).

```
ListTile(
  title: Text('Item 1'),
  onTap: () {
    // Update the state of the app.
    // ...
    // Then close the drawer.
    Navigator.pop(context);
  },
    TECMAN LIM
```

Complete example

```
more Sparings Production Sparing Starts
contract() or contact(balant)();
Clima Robert autversi Madedouriff Agel: X.
     tion! empirie : Trees have !
     #Height Data Selffer LaCounteet Committee ( ) |
        return Saturdal Appl
              Assets Lappitation
                home: Aptions applicable continue.
  Hood String Stille;
     Particular Control (Stage Sease States | 1997) | Committee | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997
     Bright has McGott Content content; 1
         checked a Seed February
               applied Applied to Lat. Text[00010]].
               hody; Steinelshild; Tools to Feet 15.
                frame | Diverse
                   IT like a likelike by the street. This reasons has now one morth.
                   If through the bullion or the drawn it there had a stough neclassic
                    It spece to 10s overpiting
                     white: Italified
                         27 Sept 166 September 199 partition time the Earlings.
                         publiss! highlysens.com.
                         interest of the constitute
                              Dissertinaine!
                                    shold; feet; frees from: L.
                                    denoration: Madesorateed
                                        autre - Delara Alue
                              MailTides
                                    Action been been been been
                                    setter 11 6
                                       17 April 10 The service of the sage
                                         O' /New Address 184 (Extent)
                                         Serigeter professionity.
                              - FreeTried
                                    Without Sweet Steen St.L.
                                    setus (1.1
                                       17 Author the water of the sec-
                                         It has blood the drawn
                                         Resignates and contract []
                                                                                                                                                                                                        TECMAN LIMITED 2019
```

19 June 2019 COPYRIGHT: TECMAN 8



THANK YOU