



FLUTTER TUTORIALS

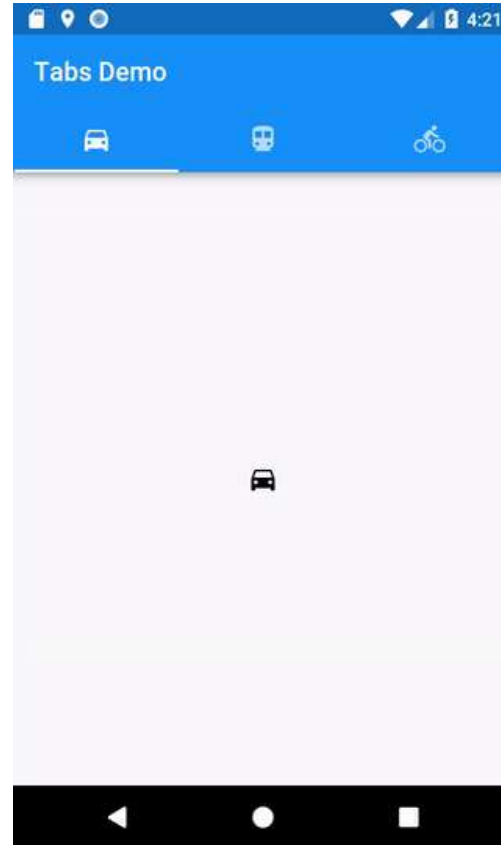
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TECMAN Lesson 13

Work with tabs

Working with tabs is a common pattern in apps that follow the Material Design guidelines. Flutter includes a convenient way to create tab layouts as part of the [material library](#).

What you will build



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Work with tabs

This recipe creates a tabbed example using the following steps;

1. Create a TabController.
2. Create the tabs.
3. Create content for each tab

1. Create a TabController

For tabs to work, you need to keep the selected tab and content sections in sync. This is the job of the [TabController](#).

Either create a TabController manually, or automatically by using a [DefaultTabController](#) widget.

Using DefaultTabController is the simplest option, since it creates a TabController and makes it available to all descendant widgets.

1. Create a TabController

```
DefaultTabController(  
  // The number of tabs / content sections to display.  
  length: 3,  
  child: // Complete this code in the next step.  
);
```

2. Create the tabs

When a tab is selected, it needs to display content. You can create tabs using the [TabBar](#) widget. In this example, create a TabBar with three [Tab](#) widgets and place it within an [AppBar](#).

2. Create the tabs

```
DefaultTabController(  
  length: 3,  
  child: Scaffold(  
    appBar: AppBar(  
      bottom: TabBar(  
        tabs: [  
          Tab(icon: Icon(Icons.directions_car)),  
          Tab(icon: Icon(Icons.directions_transit)),  
          Tab(icon: Icon(Icons.directions_bike)),  
        ],  
      ),  
    ),  
  ),  
);
```



2. Create the tabs

By default, the TabBar looks up the widget tree for the nearest DefaultTabController. If you're manually creating a TabController, pass it to the TabBar.

3. Create content for each tab

Now that you have tabs, display content when a tab is selected. For this purpose, use the [TabBarView](#) widget.

Note: Order is important and must correspond to the order of the tabs in the TabBar.

3. Create content for each tab

```
TabBarView(  
  children: [  
    Icon(Icons.directions_car),  
    Icon(Icons.directions_transit),  
    Icon(Icons.directions_bike),  
  ],  
);
```

Complete example

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```

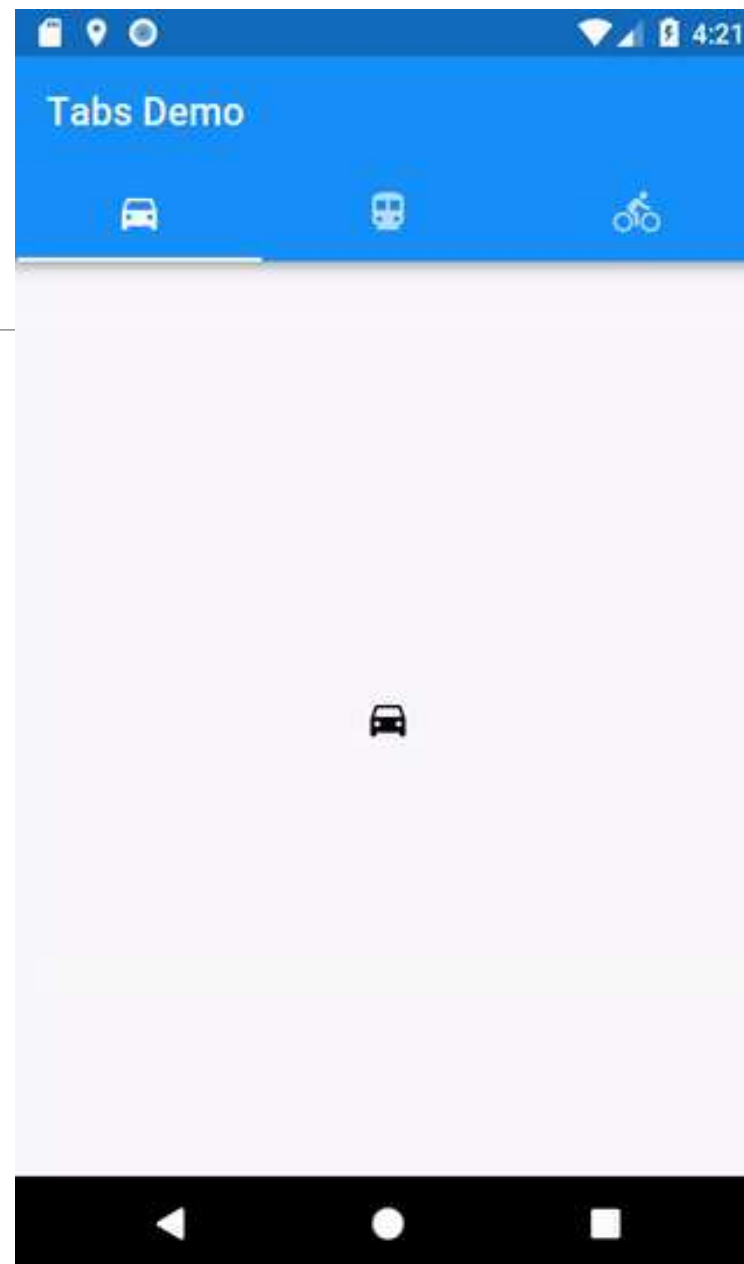
import 'package:flutter/material.dart';

void main() {
  runApp(TabBarDemo());
}

class TabBarDemo extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: DefaultTabController(
        length: 3,
        child: Scaffold(
          appBar: AppBar(
            bottom: TabBar(
              tabs: [
                Tab(icon: Icon(Icons.directions_car)),
                Tab(icon: Icon(Icons.directions_transit)),
                Tab(icon: Icon(Icons.directions_bike)),
              ],
            ),
            title: Text('Tabs Demo'),
          ),
          body: TabBarView(
            children: [
              Icon(Icons.directions_car),
              Icon(Icons.directions_transit),
              Icon(Icons.directions_bike),
            ],
          ),
        ),
      ),
    );
  }
}

```





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THANK YOU

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