



Flutter Malaysia

Elania Resources

Installation

- ▶ Download Flutter SDK
- ▶ Extract to C:\flutter
- ▶ Update System Path to include C:\flutter
- ▶ Check Flutter installation using the following command
 - ▶ flutter doctor
- ▶ Install Android Studio
- ▶ Android Studio > Device Manager > Virtual > Create Device
 - ▶ flutter doctor --android-licenses
- ▶ Verify connected Android devices
 - ▶ flutter devices
- ▶ Install Visual Studio Code
- ▶ Install VSCode Flutter extension

Create Flutter Project

- ▶ Visual Studio Code
 - ▶ View > Command Palette (Ctrl+Shift+P)
 - ▶ Type flutter
 - ▶ Select Flutter: New Project
 - ▶ Select Application
 - ▶ Select Directory
 - ▶ Enter Project Name. eg: my_app
- ▶ Terminal/Command Prompt
 - ▶ mkdir C:\projects
 - ▶ cd C:\projects
 - ▶ flutter create my_app

Run Flutter Project

- ▶ Visual Studio Code
 - ▶ Right click on main.dart
 - ▶ Select Run without debugging (F5)
- ▶ Terminal/Command Prompt
 - ▶ `cd C:\projects\my_app`
 - ▶ `flutter devices`
 - ▶ `flutter run`

Button

```
ElevatedButton(  
  onPressed: () {  
    print('button pressed!');  
  },  
  child: Text('Next'),  
),
```

Card

```
const Card(  
  child: SizedBox(  
    width: 300,  
    height: 100,  
    child: Center(child: Text('Elevated Card')),  
  ),  
),
```

Container

Container(

margin: const EdgeInsets.all(15.0),

padding: const EdgeInsets.all(8.0),

decoration: BoxDecoration(

borderRadius: BorderRadius.circular(8), color: Colors.green),

child: const Text(

"Flutter",

style: TextStyle(color: Colors.yellowAccent, fontSize: 25),

),

),

Row

```
const Row(  
  mainAxisAlignment: MainAxisAlignment.spaceEvenly,  
  children: <Widget>[  
    Text(  
      'Column 1',  
    ),  
    Text(  
      'Column 2',  
    ),  
    Text(  
      'Column 3',  
    ),  
  ],  
)
```


Column

```
const Column(  
  mainAxisAlignment: MainAxisAlignment.spaceEvenly,  
  children: <Widget>[  
    Text(  
      'Row 1',  
    ),  
    Text(  
      'Row 2',  
    ),  
    Text(  
      'Row 3',  
    ),  
  ],  
)
```

Navigation

```
onPressed: () {  
    Navigator.push(  
        context,  
        MaterialPageRoute(builder: (context) => SecondRoute()),  
    );  
},
```

Navigation

```
class SecondRoute extends StatelessWidget {  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      appBar: AppBar( title: const Text("Second Screen") ),  
      body: Center(  
        child: ElevatedButton(  
          onPressed: () {  
            Navigator.pop(context);  
          },  
          child: const Text('Go back'),  
        ),  
      ),  
    );  
  }  
}
```