Rushabh Jain MAD 3 D15B 23

- Including Icons in Flutter

Flutter provides built-in icons via the Icons class and allows the use of custom icons through the pubspec.yaml file.

1.1 Using Built-in Icons

Flutter provides an extensive set of material icons that can be used as follows:

```
import 'package:flutter/material.dart';

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
return   MaterialApp(               home:
Scaffold(
       appBar: AppBar(title: Text("Flutter Icons")),
body: Center(          child: Icon(
Icons.favorite,            color: Colors.red,
size: 50.0,
         ),
       ),
     ),
   );
  } }
```

1.2 Using Custom Icons

To use custom icons, first, download or generate an icon font using FlutterIcon and add it to the pubspec.yaml file:

```
flutter:
fonts:    -
family:
CustomIcon
s      fonts:
       - asset: assets/fonts/custom_icons.ttf
```

Use it in your app:

```
Icon(IconData(0xe900, fontFamily: 'CustomIcons'))
```

- Including Images in Flutter

Flutter supports various ways to include images, such as from the assets folder, network URLs, and memory.

2.1 Adding Image Assets

1. Place images inside the assets/images/ directory.
2. Declare them in pubspec.yaml:

```
flutter:
assets:
  - assets/images/sample.png
```

3. Use them in your app:

```
Image.asset('assets/images/sample.png', width: 200, height: 200)
```

2.2 Using Network Images

Load images directly from the internet:

```
Image.network('https://example.com/sample.jpg')
```

- Including Custom Fonts in Flutter

Custom fonts can enhance the UI by providing unique typography.

3.1 Adding Custom Fonts

1. Place font files in assets/fonts/.
2. Declare them in pubspec.yaml:

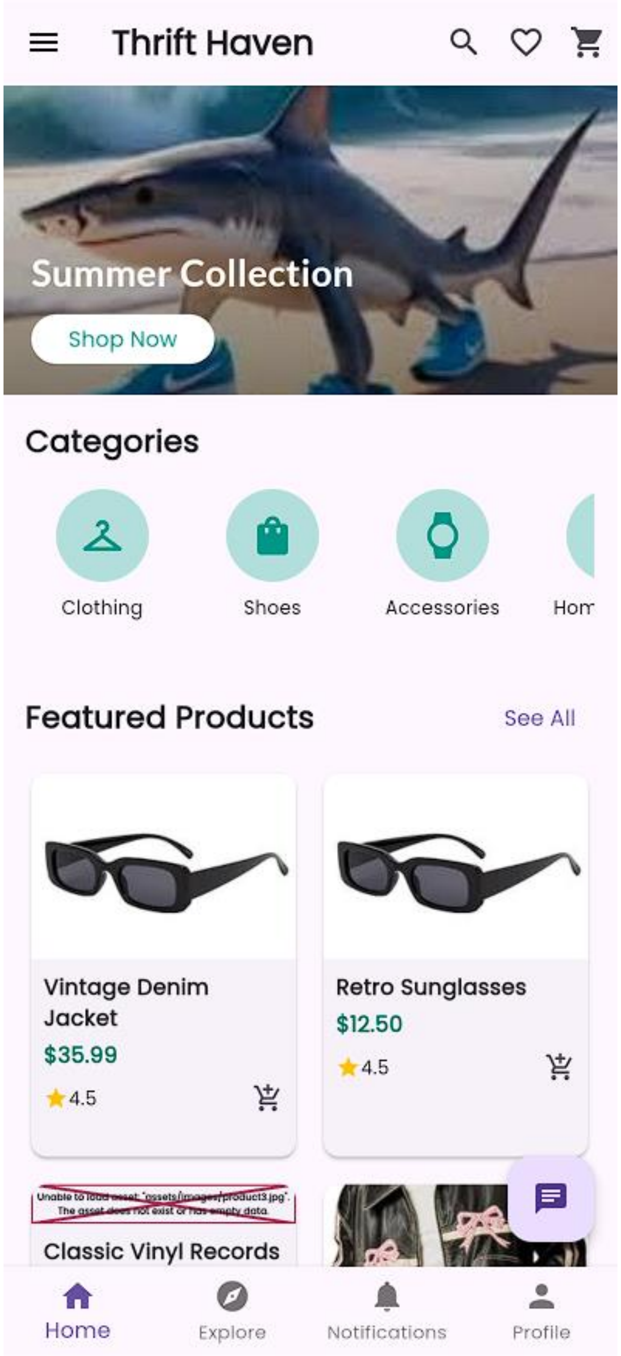
```
flutter:
fonts:
- family: CustomFont
    fonts:
- asset: assets/fonts/CustomFont-Regular.ttf
```

3.2 Using Custom Fonts in the App

Apply the font to text widgets:

```
Text(
  'Hello, Flutter!',
  style: TextStyle(fontFamily: 'CustomFont', fontSize: 24),
)
```

Output



Unable to load asset: "assets/images/product3.jpg".
The asset does not exist or has empty data.