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D15A

09

MAD PWA LAB

EXPT - 2

Aim: To design flutter UI by including common widgets.

Theory:

Flutter App Customization

In this Flutter app, we have customized the appearance of the entire screen using the `MaterialApp` and `Scaffold` widgets. The goal is to create a visually appealing layout with a black background, a centered app title in white, and an image logo just below the title.

Theme Customization

The `MaterialApp` widget allows us to customize the overall theme of the app. We set the `scaffoldBackgroundColor` to black to create a dark background. Additionally, we customized the app bar theme (`AppBarTheme`) by setting the background color to black and specifying a white text color for the title using `titleTextStyle`.

```
theme: ThemeData(
  scaffoldBackgroundColor: Colors.black,
  appBarTheme: AppBarTheme(
    backgroundColor: Colors.black,
    titleTextStyle: TextStyle(
      color: Colors.white,
      fontSize: 24.0,
      fontWeight: FontWeight.bold,
    ),
  ),
),
```

APP TITLE AND LOGO

The app title is placed at the center of the app bar using the centerTitle property of the AppBar widget. The title is styled with a white color, a font size of 24.0, and a bold font weight.

To position the logo just below the title, we use a Column widget in the body of the Scaffold. Inside the Column, we include a SizedBox to create space between the title and the logo.
Adjust the height of the SizedBox to fine-tune the spacing between the title and the logo based on your design preferences.
This Flutter code provides a clean and organized way to customize the appearance of the entire screen, offering a visually appealing and well-structured user interface.
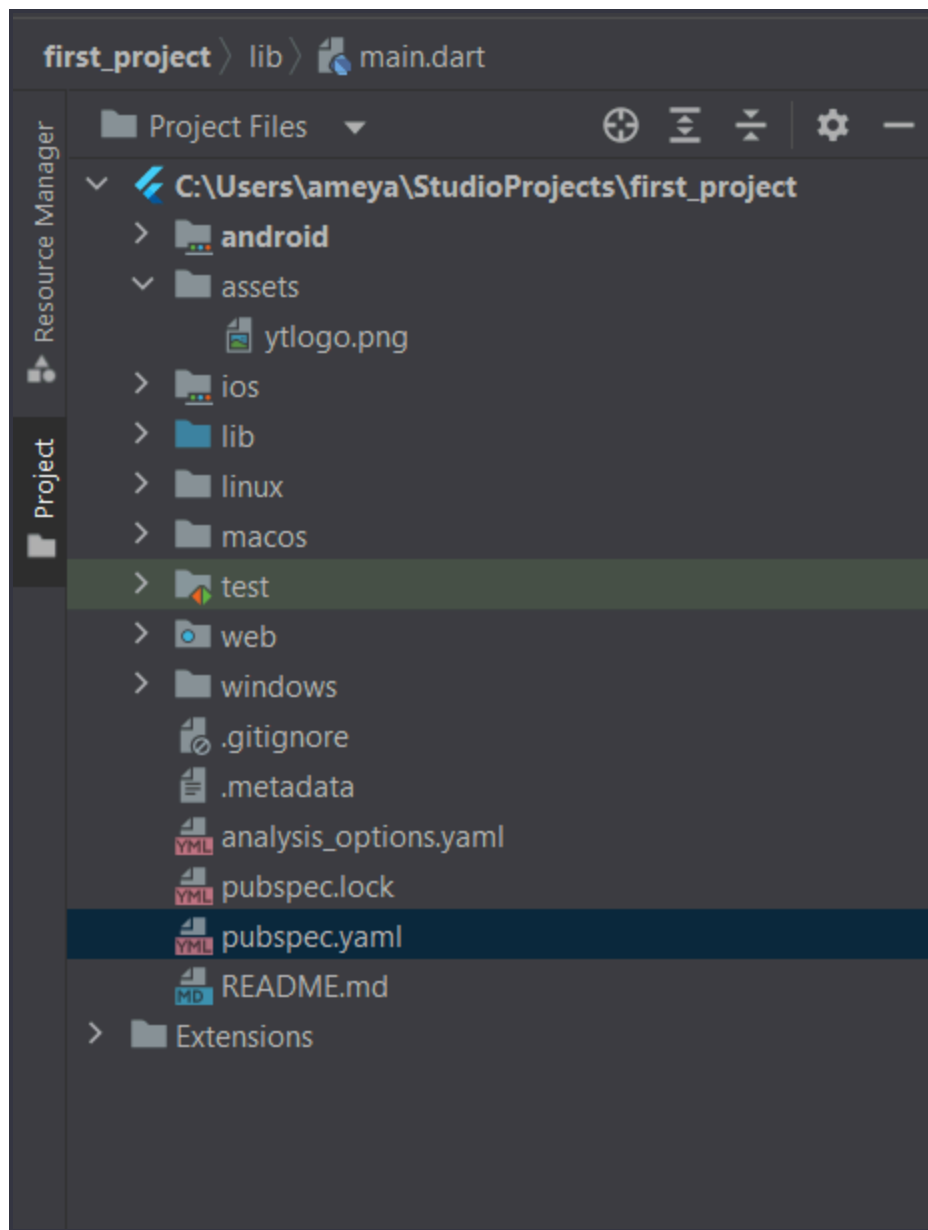
CODE:

```
import 'package:flutter/material.dart';
void main() {
 runApp(const MyApp());
}
class MyApp extends StatelessWidget {
 const MyApp({Key? key}) : super(key: key);
 @override
 Widget build(BuildContext context) {
  return MaterialApp(
   title: 'YouTube Music',
   theme: ThemeData(
    scaffoldBackgroundColor: Colors.black,
    appBarTheme: AppBarTheme(
     backgroundColor: Colors.black,
     titleTextStyle: TextStyle(
      color: Colors.red,
      fontSize: 34.0,
      fontWeight: FontWeight.bold,
     ),
    ),
   ),
   home: Scaffold(
    appBar: AppBar(
     title: const Text('YouTube Music'),
     centerTitle: true,
    ),
```

```dart
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: [
            SizedBox(height: 30), // Adjust the height as needed
            Image.asset('assets/ytlogo.png'),
          ],
        ),
      ),
    );
  }
}
```

ASSETS:

-assets/ytlogo.png

FILE STRUCTURE:

first_project > lib > main.dart

Project Files ▾

∨ C:\Users\ameya\StudioProjects\first_project
  > android
  ∨ assets
      ytlogo.png
  > ios
  > lib
  > linux
  > macos
  > test
  > web
  > windows
    .gitignore
    .metadata
    analysis_options.yaml
    pubspec.lock
    pubspec.yaml
    README.md
> Extensions

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

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

class MyApp extends StatelessWidget {
  const MyApp({Key? key}) : super(key: key);

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'YouTube Music',
      theme: ThemeData(
        scaffoldBackgroundColor: Colors.black,
        appBarTheme: AppBarTheme(
          backgroundColor: Colors.black,
          titleTextStyle: TextStyle(
            color: Colors.red,
            fontSize: 34.0,
            fontWeight: FontWeight.bold,
          ), // TextStyle
        ), // AppBarTheme
      ), // ThemeData
      home: Scaffold(
        appBar: AppBar(
          title: const Text('YouTube Music'),
          centerTitle: true,
        ), // AppBar
        body: Center(
```

```dart
        body: Center(
          child: Column(
            mainAxisAlignment: MainAxisAlignment.center,
            children: [
              SizedBox(height: 30), // Adjust the height as needed
              Image.asset('assets/ytlogo.png'),
            ],
          ), // Column
        ), // Center
      ), // Scaffold
    ); // MaterialApp
  }
}
```

OUTPUT: