

MAD PWA LAB

EXPT - 4

Aim: To create an interactive form using form widget

Theory:

Logo Placement:

- Branding: Position the YouTube Music logo prominently at the top of the login form to reinforce brand identity.
- Recognition: Ensure the logo is easily recognizable, providing users with a visual cue about the platform they are accessing.

Input Fields:

- Email Field:
 - Purposeful Labels: Clearly label the email input field to convey its purpose.
 - Input Validation: Implement validation to ensure that users enter a valid email address.
 - Auto-complete: Enable auto-complete for convenience, making the login process faster for returning users.
- Password Field:
 - Security: Design the password field with security in mind, hiding characters and providing an option to reveal them.
 - Strength Indicator (Optional): Consider adding a password strength indicator to guide users in creating secure passwords.

Login Button:

- Visibility: Make the login button stand out by using a distinct color or styling, encouraging users to proceed.
- Loading State: Implement a loading state to provide feedback to users while the authentication process is underway.

Form Styling:

- Consistency: Maintain a consistent color scheme and typography throughout the form for a cohesive and polished appearance.
- Whitespace: Use appropriate spacing between elements to improve readability and prevent visual clutter.

CODE:

```
// login_screen.dart
import 'package:flutter/material.dart';
import 'home_screen.dart'; // Import the HomeScreen

class LoginScreen extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: const Text('Login'),
        centerTitle: true,
      ),
      body: Container(
        color: Colors.white, // Set the background color to white
        padding: const EdgeInsets.all(16.0),
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: [
            Image.asset('assets/ytlogo.png', height: 100, width: 100),
            SizedBox(height: 20),
            TextField(
              decoration: InputDecoration(labelText: 'Email'),
            ),
            SizedBox(height: 10),
            TextField(
              decoration: InputDecoration(labelText: 'Password'),
              obscureText: true,
            ),
            SizedBox(height: 20),
            ElevatedButton(
              onPressed: () {
                // Handle login logic
                // For now, let's navigate to the HomeScreen on login success
                Navigator.pushReplacement(
                  context,
                  MaterialPageRoute(builder: (context) => HomeScreen()),
                );
              },
              style: ElevatedButton.styleFrom(
                primary: Colors.red,
              ),
            ),
          ],
        ),
      ),
    );
  }
}
```

```

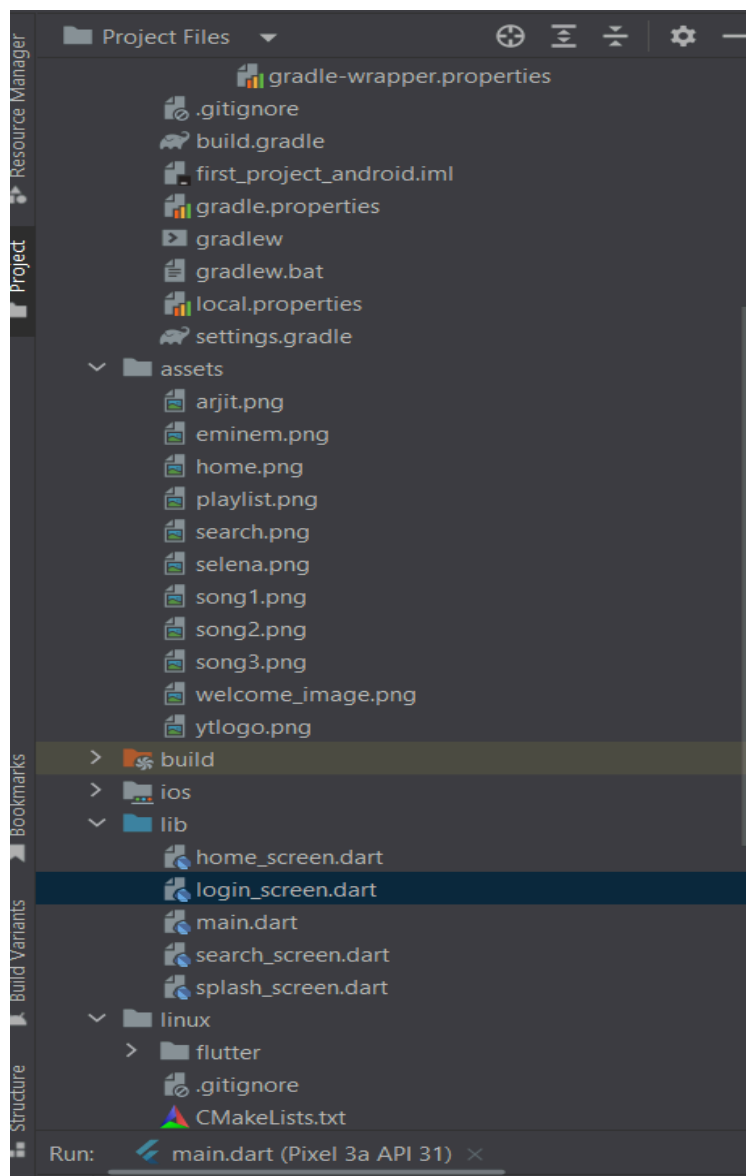
        child: Text('Login'),
      ),
    ],
  ),
),
);
}
}

```

ASSETS:

-assets/ytlogo2.png

FILE STRUCTURE:



```

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              // Handle login logic
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            style: ElevatedButton.styleFrom(
              primary: Colors.red,
            ),
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          ), // ElevatedButton
        ],
      ), // Column
    ), // Container
  ); // Scaffold
}

```

OUTPUT:

