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MPL LAB-2

Aim: To design flutter UI using common widgets

Code :

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

class LoginScreen extends StatefulWidget {
  @override
  _LoginScreenState createState() => _LoginScreenState();
}

class _LoginScreenState extends State<LoginScreen> {
  final TextEditingController emailController = TextEditingController();
  final TextEditingController passwordController = TextEditingController();

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.black, // Dark background
      body: Center(
        child: Padding(
          padding: EdgeInsets.symmetric(horizontal: 20),
          child: Column(
            mainAxisSize: MainAxisSize.min,
            children: [
              Text(
                "Login",
                style: TextStyle(
                  fontSize: 32,
                  fontWeight: FontWeight.bold,
```

```dart
      color: Colors.limeAccent,
    ),
  ),
  SizedBox(height: 20),
  _buildTextField(
    controller: emailController,
    label: "Email",
    icon: Icons.email_outlined,
  ),
  SizedBox(height: 15),
  _buildTextField(
    controller: passwordController,
    label: "Password",
    icon: Icons.lock_outline,
    isPassword: true,
  ),
  SizedBox(height: 10),
  Align(
    alignment: Alignment.centerRight,
    child: TextButton(
      onPressed: () {},
      child: Text(
        "Forget Password",
        style: TextStyle(color: Colors.limeAccent),
      ),
    ),
  ),
  SizedBox(height: 10),
  ElevatedButton(
    onPressed: () {},
    style: ElevatedButton.styleFrom(
      backgroundColor: Colors.black,
```

```
                padding: EdgeInsets.symmetric(vertical: 14, horizontal: 100),
                shape: RoundedRectangleBorder(
                  borderRadius: BorderRadius.circular(8),
                ),
              ),
              child: Text(
                "Login",
                style: TextStyle(color: Colors.limeAccent),
              ),
            ),
            SizedBox(height: 20),
            TextButton(
              onPressed: () {},
              child: Text.rich(
                TextSpan(
                  text: "Create a New Account ? ",
                  style: TextStyle(color: Colors.limeAccent),
                  children: [
                    TextSpan(
                      text: "Sign Up",
                      style: TextStyle(
                        fontWeight: FontWeight.bold,
                        color: Colors.limeAccent,
                      ),
                    ),
                  ],
                ),
              ),
            ),
          ],
        ),
      ),
```
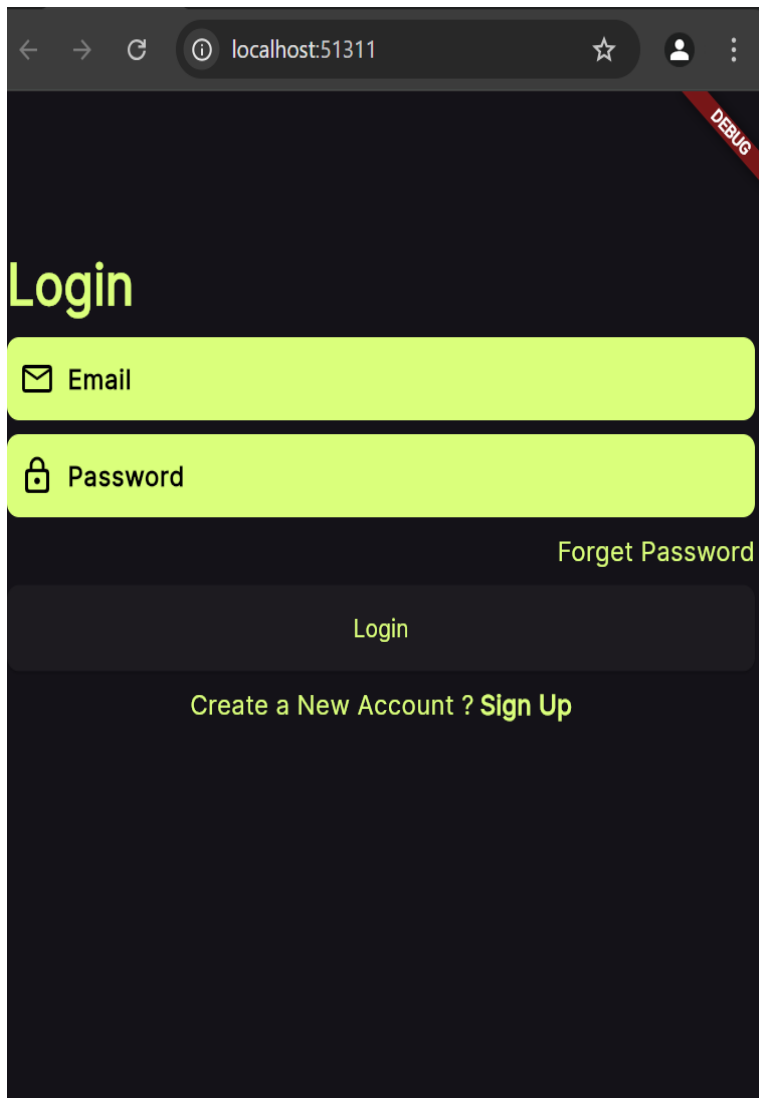
```dart
      ),
    );
  }


  Widget _buildTextField({
    required TextEditingController controller,
    required String label,
    required IconData icon,
    bool isPassword = false,
  }) {
    return TextField(
      controller: controller,
      obscureText: isPassword,
      decoration: InputDecoration(
        filled: true,
        fillColor: Colors.limeAccent,
        prefixIcon: Icon(icon, color: Colors.black),
        labelText: label,
        labelStyle: TextStyle(color: Colors.black),
        border: OutlineInputBorder(
          borderRadius: BorderRadius.circular(12),
          borderSide: BorderSide.none,
        ),
      ),
    );
  }
}
```

Output: