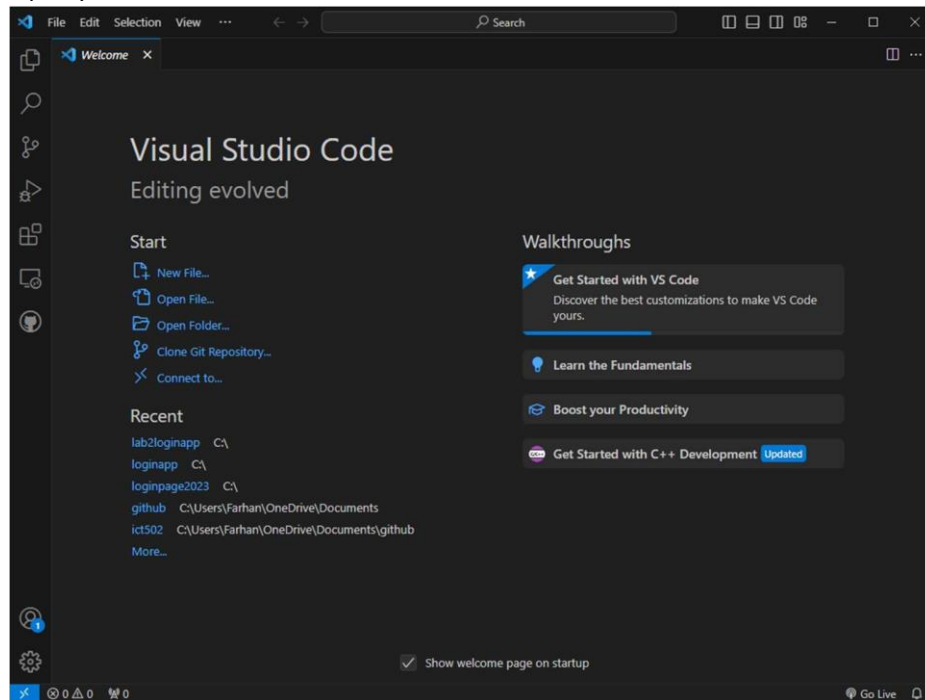


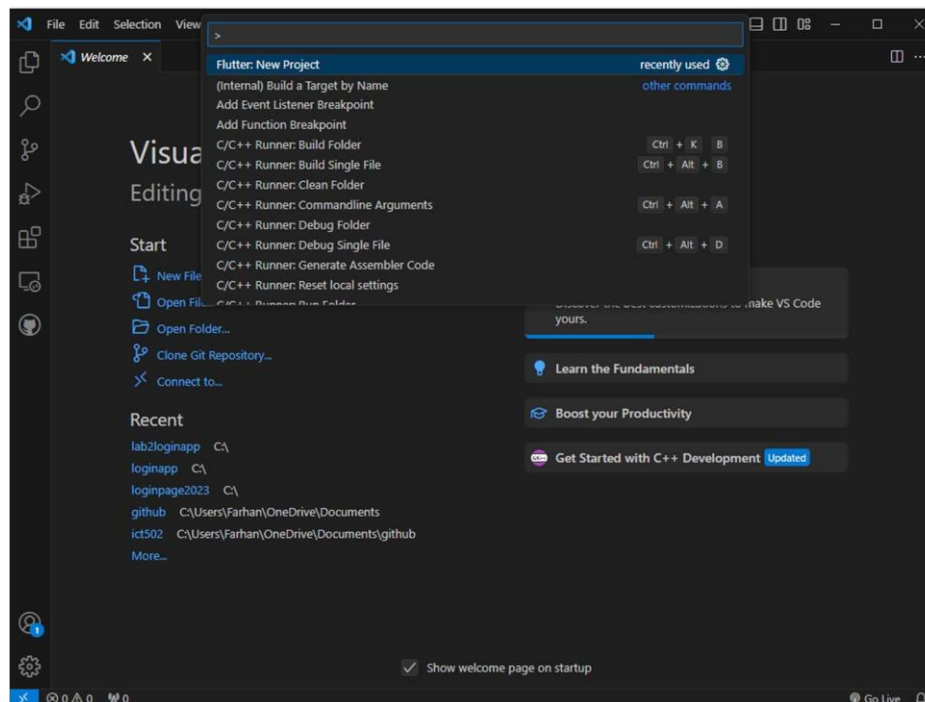
Team: TAMAJU

Lab 2: Login Page UI

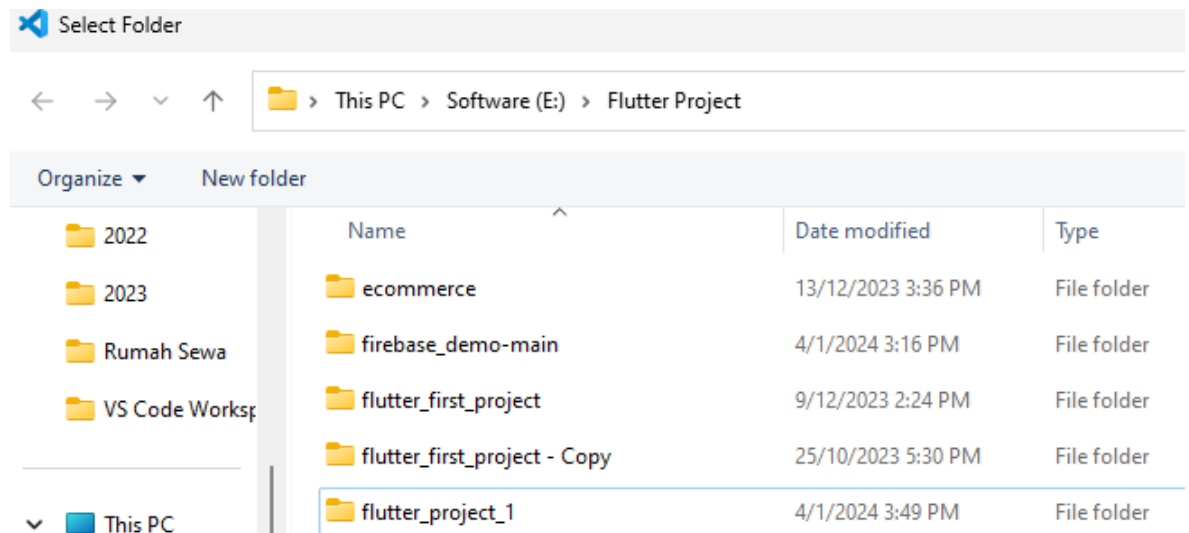
1. Open your Visual Studio Code



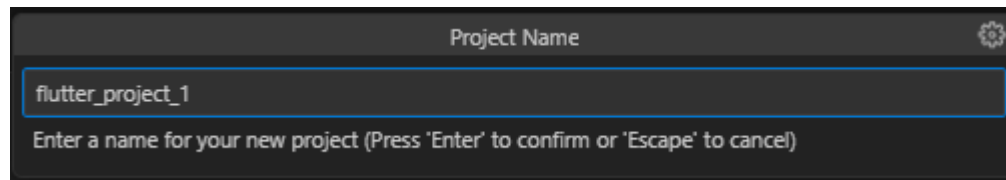
2. Ctrl + Shift + P and Click Flutter: New Project



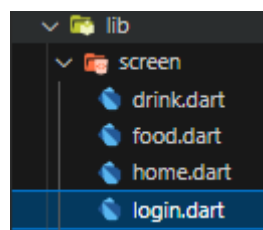
3. Select a folder



4. Create a new name for login application



5. Create a folder under lib named screen and under screen folder named login.dart



6. Copy and paste this code

```
import 'package:flutter/material.dart';
import 'package:firebase_auth/firebase_auth.dart';
import 'package:google_sign_in/google_sign_in.dart';
import 'home.dart';

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

class _LoginScreenState extends State<LoginScreen> {
  final TextEditingController usernameController =
    TextEditingController();
  final TextEditingController passwordController =
    TextEditingController();
  final FirebaseAuth _auth = FirebaseAuth.instance;

  Future<void> login() async {
    try {
      await _auth.signInWithEmailAndPassword(
        email: usernameController.text,
        password: passwordController.text,
      );

      // Pass the user's email to the HomeScreen
      Navigator.pushReplacement(
        context,
        MaterialPageRoute(
          builder: (context) => HomeScreen(userEmail:
usernameController.text),
        ),
      );
    } catch (e) {
      // Handle login errors, e.g., display an error message
      print('Login error: $e');
    }
  }

  void navigateToRegister() {
    // Navigate to the registration screen
    Navigator.pushNamed(context, '/register');
  }
}
```

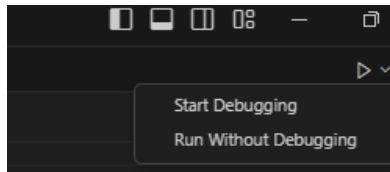
```

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: Text('Login'),
    ),
    body: Container(
      decoration: BoxDecoration(
        image: DecorationImage(
          image: AssetImage('assets/p2.jpg'), // Replace with your image
path
          fit: BoxFit.cover,
        ),
      ),
    child: Center(
      child: Column(
        mainAxisAlignment: MainAxisAlignment.center,
        children: <Widget>[
          Padding(
            padding: EdgeInsets.all(16.0),
            child: TextField(
              controller: usernameController,
              decoration: InputDecoration(
                labelText: 'Email',
              ),
            ),
          ),
          Padding(
            padding: EdgeInsets.all(16.0),
            child: TextField(
              controller: passwordController,
              obscureText: true,
              decoration: InputDecoration(
                labelText: 'Password',
              ),
            ),
          ),
          ElevatedButton(
            onPressed: () {
              login();
            },
            child: Text('Login'),
          ),
          TextButton(
            onPressed: navigateToRegister,
            child: Text('Not registered yet? Register here'),
          ),
        ],
      ),
    ),
  );
}

```

```
    },  
  },  
);  
}  
}
```

7. Run



8. Output:

