

SERVICE LEARNING

WORK FLOW

(Book Distribution App)

Team members :

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AIM:

Our primary objective is to create an app for book distribution for the schools which will also be handled by the trust (Aviratha) admin and the volunteers who comes under the trust .

- The teachers working in school will have to list out the number of books and notebooks required for the students through their login in the app .
- The admin of the trust will verify it and upload the total cost needed for the school's requirement and will display it in the app
- Then the volunteer will raise the fund required to afford the books and donate it to the students of the school

ABSTRACT :

The app we developed has 3 major logins .

- First one , for the admin which will be used by the trust (Aviratha trust) to monitor the book distribution system.
- Second one , used by the volunteer who will be in charge of paying and providing the books to the schools that are in need of it.
- Third one , for the teacher working in school who will list out the number of books and notebooks required for the students studying in the school

MOBILE APP DEVELOPMENT

PHASE 1 : FRONT END

PHASE 2 : BACK END

PHASE 3 : IMPLEMENTATION AND EXECUTION

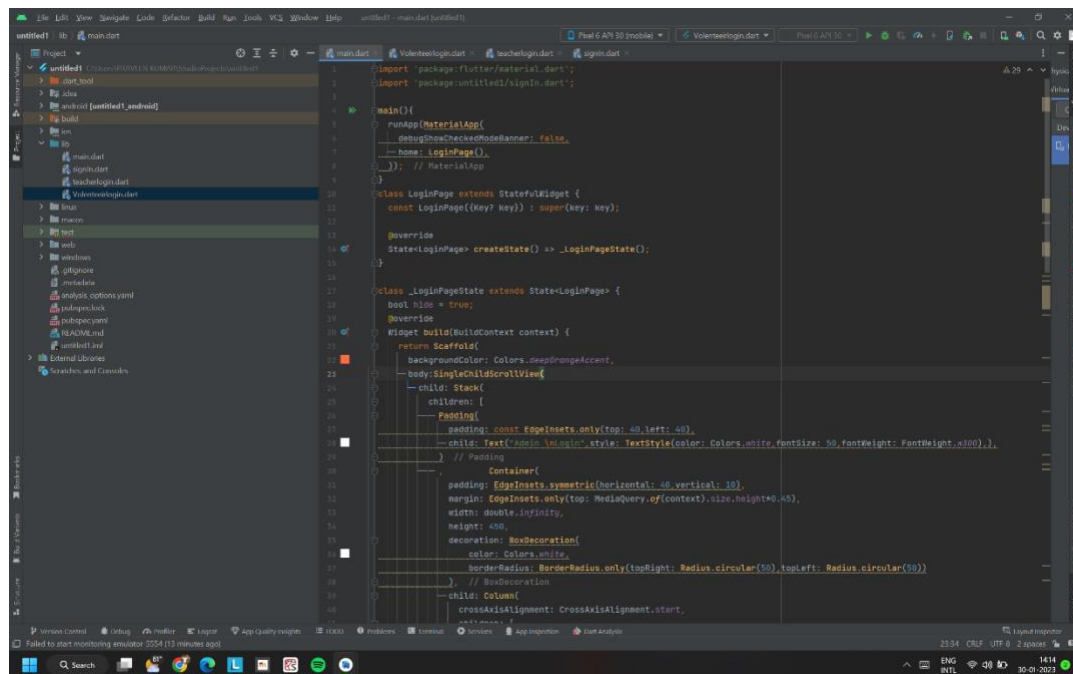
TOOLS USED :

FRAMEWORK : FLUTTER

COMPILER : ANDROID STUDIO

LANGUAGES USED : JAVA , CSS , PHP , SQL

PHASE 1 : FRONT END



```
import 'package:flutter/material.dart';
import 'package:untitled1/signin.dart';

main() {
  runApp(MaterialApp(
    debugShowCheckedModeBanner: false,
    home: LoginPage(),
  )); // MaterialApp
}

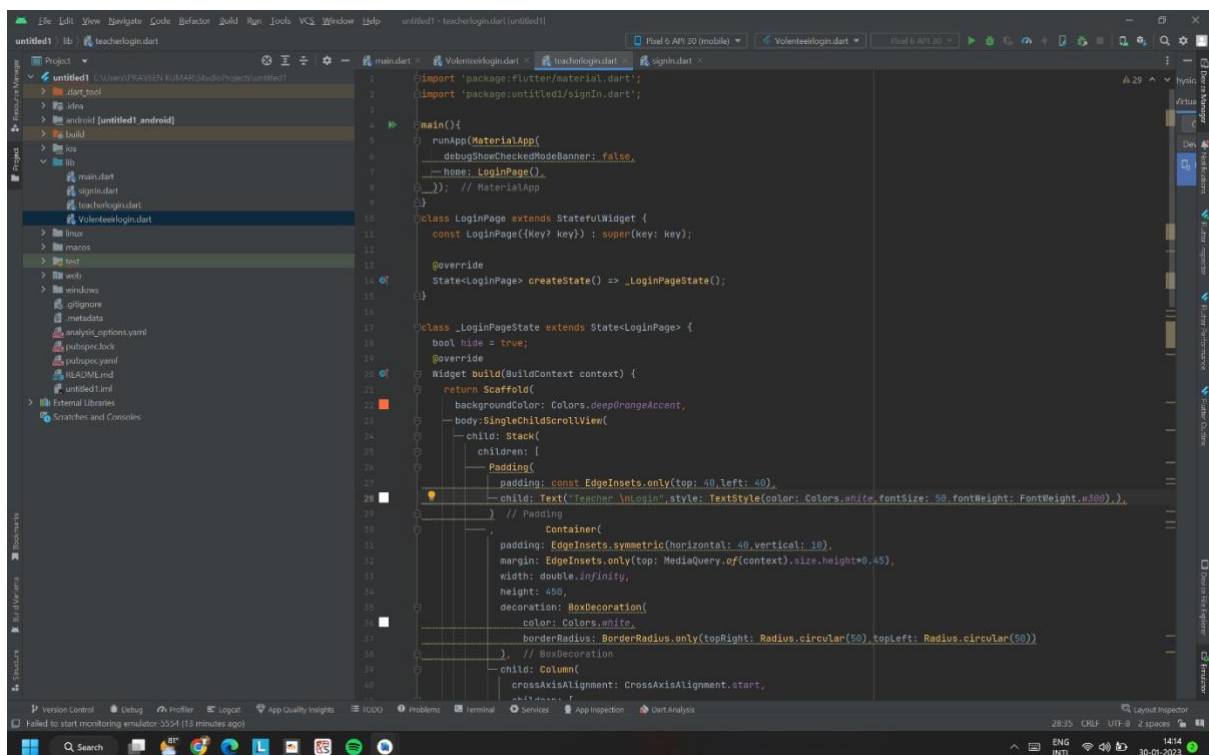
class LoginPage extends StatefulWidget {
  const LoginPage({Key? key}) : super(key: key);

  @override
  State<LoginPage> createState() => _LoginPageState();
}

class _LoginPageState extends State<LoginPage> {
  bool hide = true;

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.deepOrangeAccent,
      body: SingleChildScrollView(
        children: [
          Padding(
            padding: const EdgeInsets.only(top: 40, left: 40),
            child: Text("Admin Login", style: TextStyle(color: Colors.white, fontSize: 50, fontWeight: FontWeight.w300)),
          ), // Padding
          Container(
            padding: EdgeInsets.symmetric(horizontal: 40, vertical: 10),
            margin: EdgeInsets.only(top: MediaQuery.of(context).size.height*0.45),
            width: double.infinity,
            height: 450,
            decoration: BoxDecoration(
              color: Colors.white,
              borderRadius: BorderRadius.only(topRight: Radius.circular(50), topLeft: Radius.circular(50)),
            ), // BoxDecoration
            child: Column(
              crossAxisAlignment: CrossAxisAlignment.start,
            ),
          ),
        ],
      ),
    );
  }
}
```

(code for admin login)



```
import 'package:flutter/material.dart';
import 'package:untitled1/signin.dart';

main() {
  runApp(MaterialApp(
    debugShowCheckedModeBanner: false,
    home: LoginPage(),
  )); // MaterialApp
}

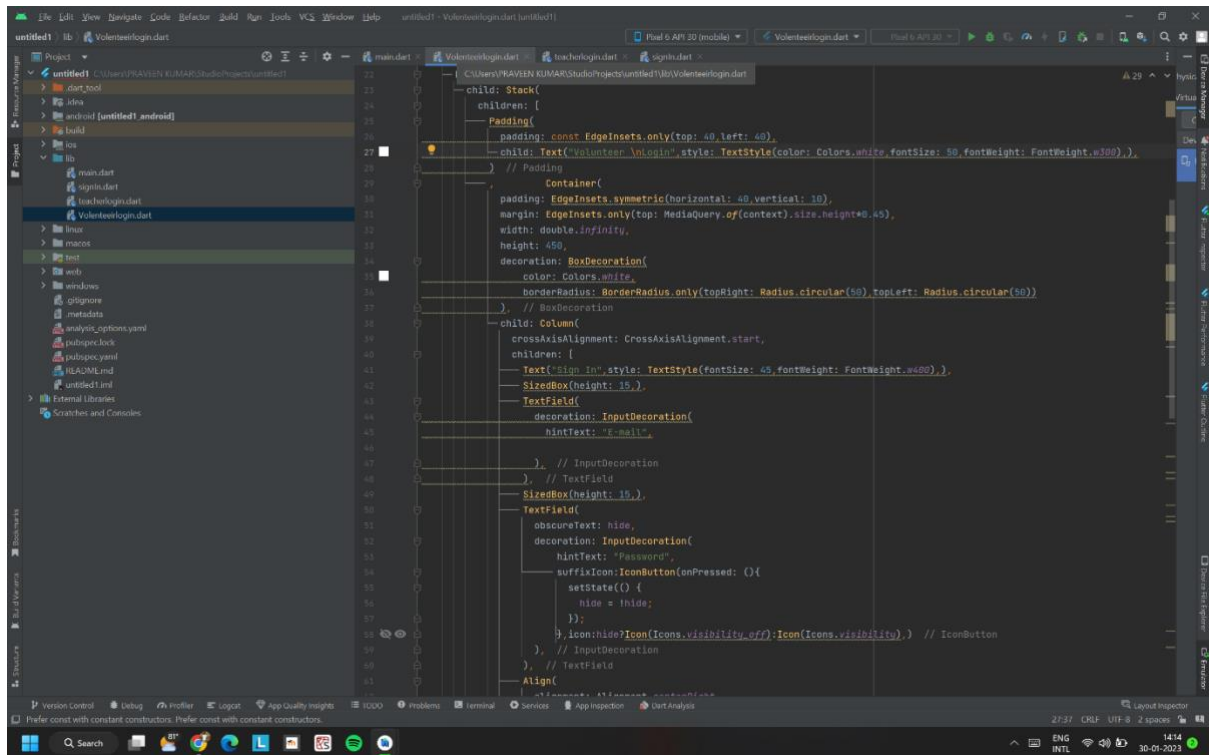
class LoginPage extends StatefulWidget {
  const LoginPage({Key? key}) : super(key: key);

  @override
  State<LoginPage> createState() => _LoginPageState();
}

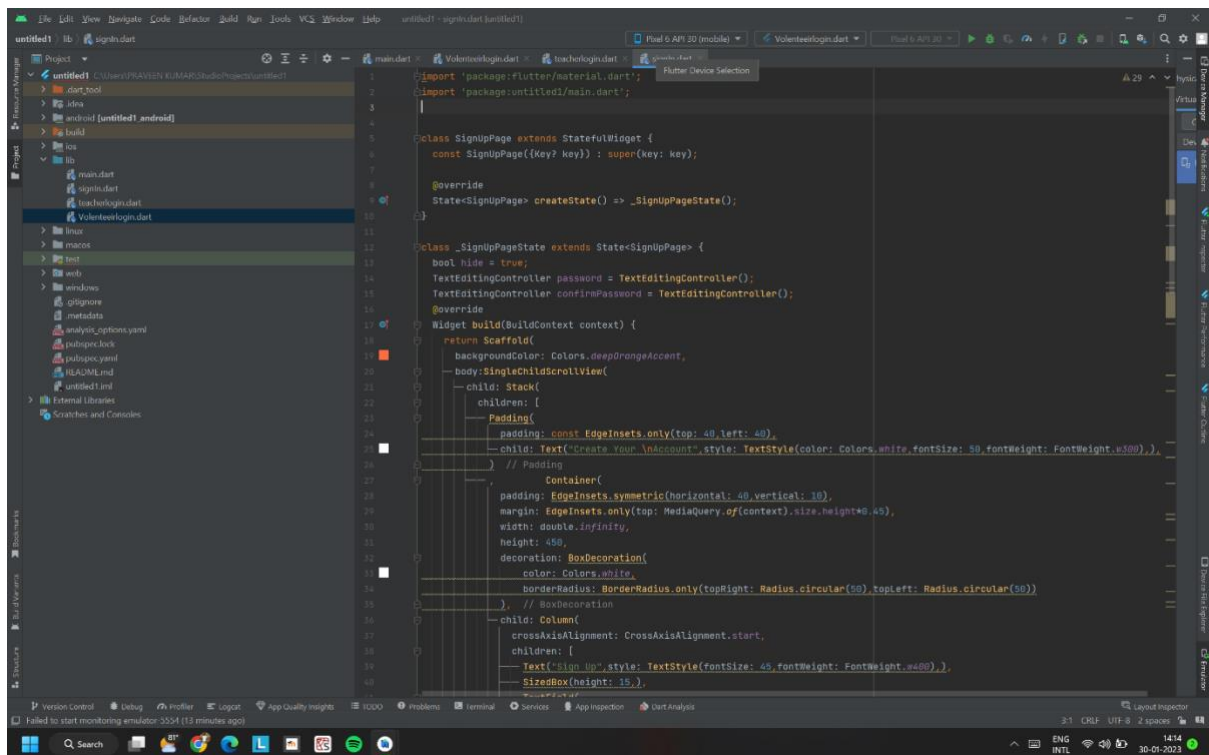
class _LoginPageState extends State<LoginPage> {
  bool hide = true;

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.deepOrangeAccent,
      body: SingleChildScrollView(
        children: [
          Padding(
            padding: const EdgeInsets.only(top: 40, left: 40),
            child: Text("Teacher Login", style: TextStyle(color: Colors.white, fontSize: 50, fontWeight: FontWeight.w300)),
          ), // Padding
          Container(
            padding: EdgeInsets.symmetric(horizontal: 40, vertical: 10),
            margin: EdgeInsets.only(top: MediaQuery.of(context).size.height*0.45),
            width: double.infinity,
            height: 450,
            decoration: BoxDecoration(
              color: Colors.white,
              borderRadius: BorderRadius.only(topRight: Radius.circular(50), topLeft: Radius.circular(50)),
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            child: Column(
              crossAxisAlignment: CrossAxisAlignment.start,
            ),
          ),
        ],
      ),
    );
  }
}
```

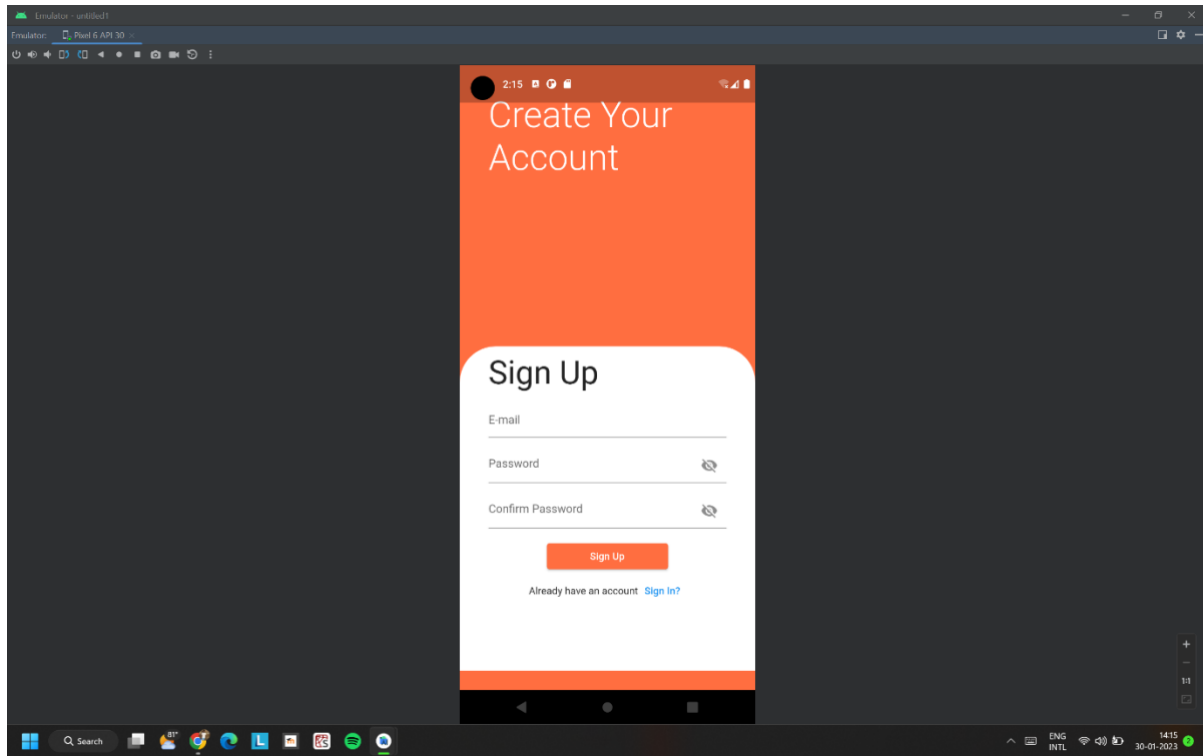
(coding for teacher's login)



(coding for volunteer's login)



(sign up page)



(login simulation output)

PHASE 2 : BACK END

DATABASE FOR

- BOOK DETAILS
- LOGIN DETAILS
 - i) ADMIN
 - ii) VOLUNTEER
 - iii) TEACHER

PHASE 3 : IMPLEMENTATION AND EXECUTION

- Connecting back end
- App designing
- App hosting

