My Library

Using Flutter

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Presentation Overview

- Problems in Offline library.(Need of this application)
- Aim of this project.
- Brief view of various modules in project
- Software and tools used in making
- Dependencies used in flutter my library application
- Advantages of My library App
- Work Load shared
- Knowledge gained from this SGP

PROBLEMS IN OFFLINE LIBRARY.

- Unsurity in Availibity of Books.
- Record of Books remain in HardCopy.
- Cannot find Particular book at a time.
- Difficult to keep a track of Book record.
- All Management is based on Offline manner.

AIM:

- For resolving these kind of problems ,we have made this application.
- For Resolving Time issues.
- we get to know in advance how many books are there in library.

1.Admin Module

->Login Student Details

- Admin can see total student login details

->Book Details

- Admin can add Multipltle book record

->My Account

- One Would be able to see Account details and can sign out from their account

2.Student Module

->Book Store

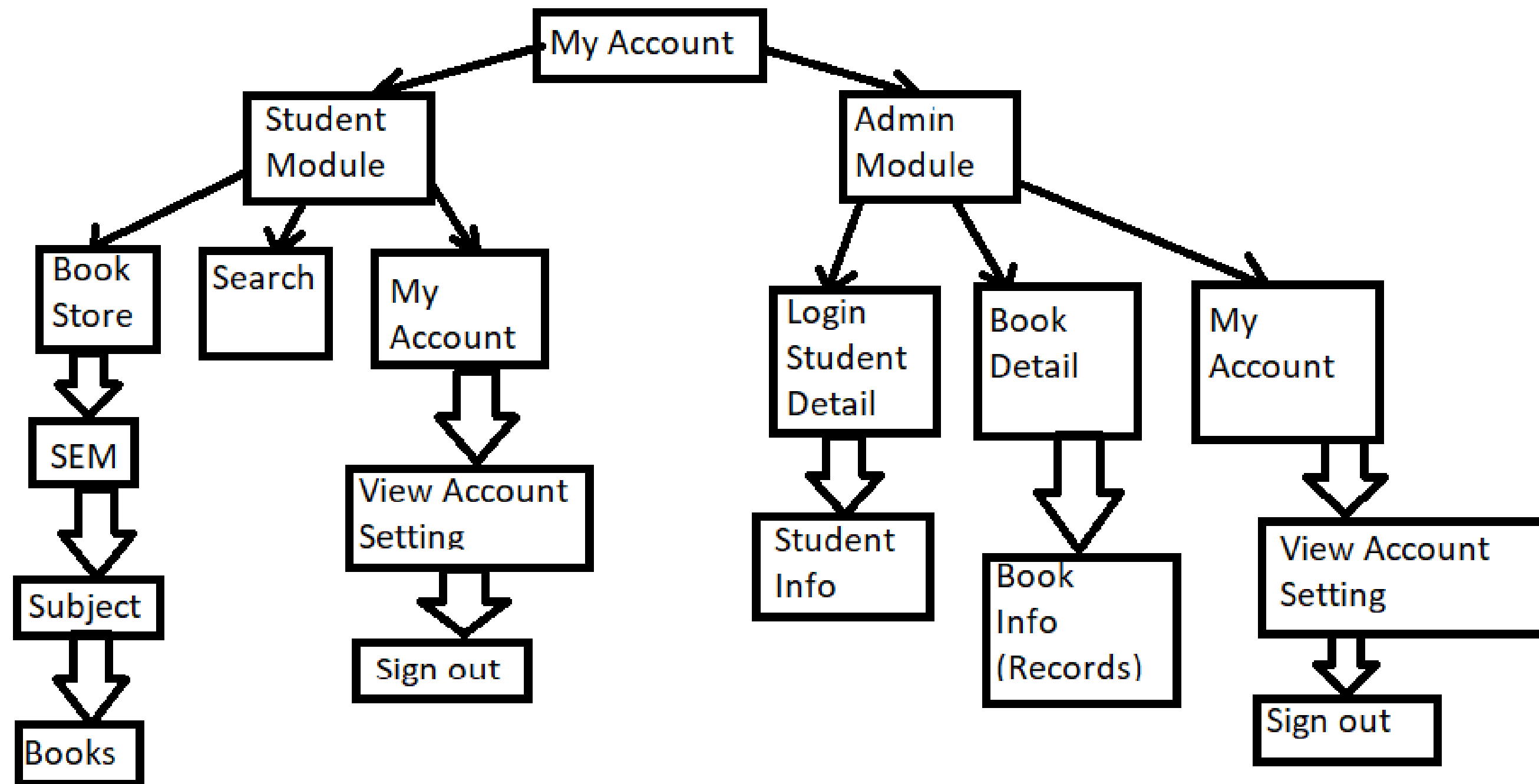- We have added Book details in Book Store semester wise

->Search

- We can search for books through this option

->My Account

- One Would be able to see Account details and can sign out from their account

FLOWCHART

Softwares/tools used

- Android Studio
- Vs code
- Coraldraw
- Firebase
- Flutter Framework
- Git/Github

Outcomes

- Learned Flutter (Dart Language).
- Learned how to use Android studio/Vs Code.
- For teamwork, Learned various commands of git.
- Learned how to use Github.

Dependencies

- **flutter:**A Flutter plugin to use the Firebase Core API, which enables connecting to multiple Firebase apps.
- **firebase_auth:** Firebase Authentication provides backend services, easy-to-use SDKs, and ready-made UI libraries to authenticate users to your app. It supports authentication using passwords, phone numbers, popular federated identity
- **firebase_core:**A Flutter plugin to use the Firebase Core API, which enables connecting to multiple Firebase apps.
- **cloud_firestore:**A Flutter plugin to use the Cloud Firestore API.

Dependencies

- **firebase_database:**A Flutter plugin to use the Firebase Realtime Database API.
- **cupertino_icons:** This is an asset repo containing the default set of icon assets used by Flutter's Cupertino widgets.
- **expansion_card:**This package provides an easy implementation of a Expansion type card. You can also add gif or image at the background which expands with the card.
- **sign_button:**A Flutter plugin for generating sign in buttons for different social media accounts.
- **provider:**A wrapper around InheritedWidget to make them easier to use and more reusable.

Advantages of My Library app

- One can see the availibility of books.
- One can search out book wise Semester.
- Management system would be based on Online Manner.
- Easier to keep a record of Books Semester Wise.

WORK LOAD SHARED

19ce098-Heer
- Frontend integration
- UI creation.
- Assets made using figma

19ce100-Jay
- Firbase integration
- Managing modules and types of functionality
- Managing github collabration
- Error Solving

19ce103-Krup
- Authentication Pages
- Logo Design with the help of coraldraw
- Helping in App UI

19ce110 -Vishal
- Helping in Authentication page and logo design

Thank You