MediBook Report
Report on MediBook

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SEG2105: Introduction to Software Engineering
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Introduction

Throughout the semester our group was tasked with creating an app on Android Studio that was a medical app. This app is designed for Patients, Doctors, and an administrator. Patients can register, view appointments, rate Doctors, and book slots by specialty. Doctors manage shifts, approve/reject appointments, and set auto-approval. Administrators oversee registrations.

Updated UML class diagram

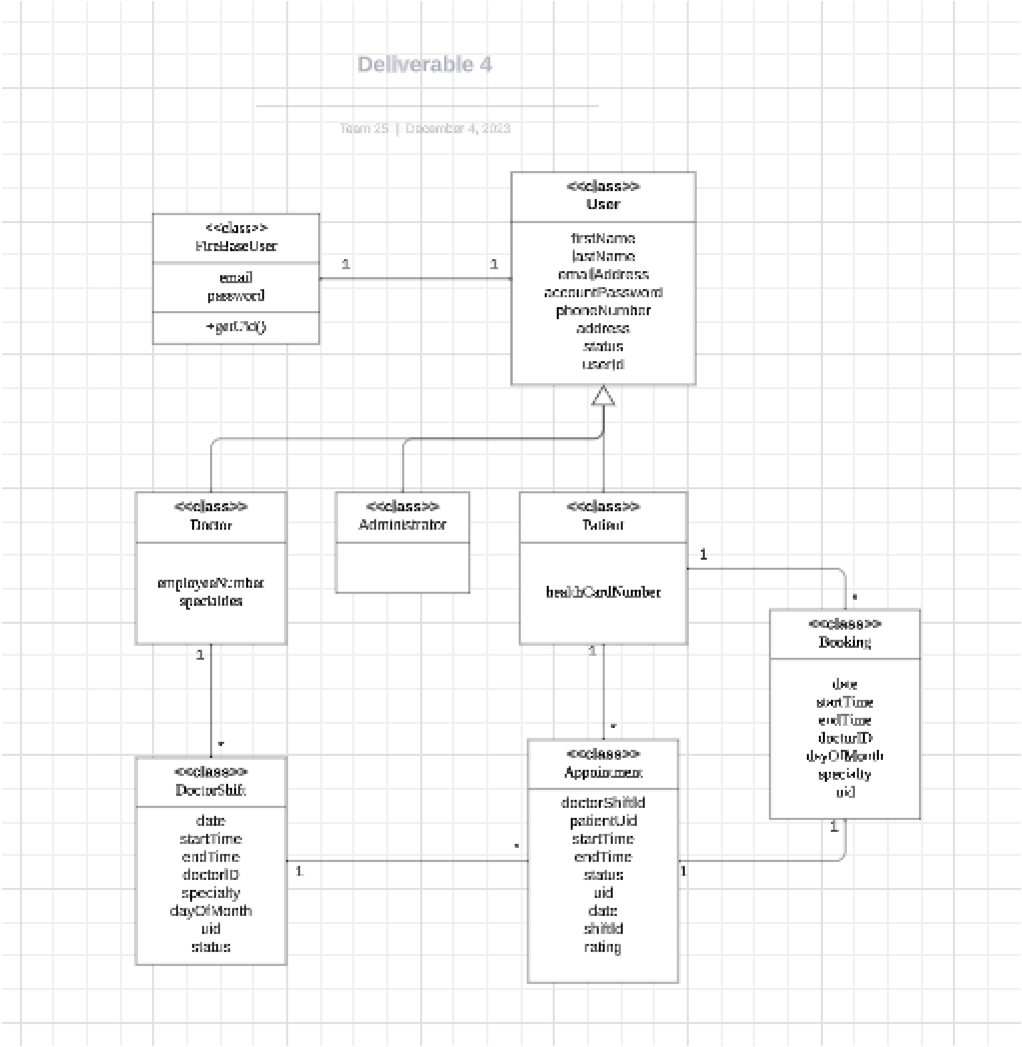
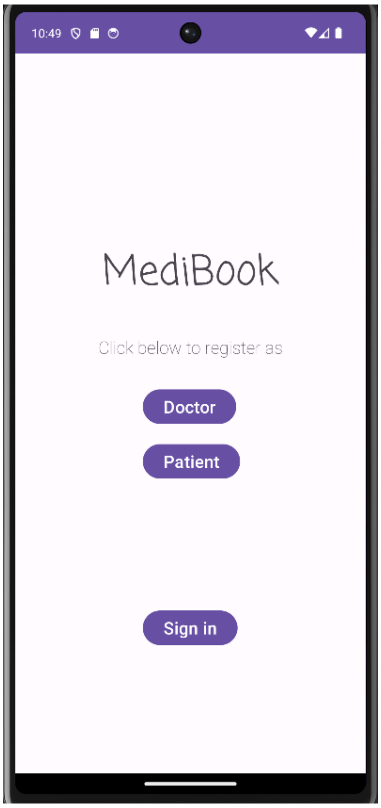


Table specifying the contributions of team members for each deliverable

Group Member	Deliverable 1	Deliverable 2	Deliverable 3	Deliverable 4
Mathias	-User class -some UI element	-Admin registration list -Admin confirm and reject a registration -Patient/doctor rejected/pending UI	- Helped with doctor shifts - Helped with implementing appointment inbox	-Patient booking -Patient upcoming appointment -Patient past appointment
Lucas	-Main class skeletons -UI XMLs -Sign in -basic field validation -Bugfixed	-Implemented firebase -Created the deny button for adminInbox -Bugfixed admin confirm/reject	- Adding all new shifts and appointments to the firebase -fixed upcoming appointments -adding a pop-up for extra doctor info in shifts -working patient info viewer pop-up -Bugfixing other sections for deliverable apk release	-UML -fixing known firebase bugs -adding new userId's for more efficient data retrieval -fixed sources of crashing -Bugfixed
Ryan	Doctor getter and setter	Helped in Admin Inbox and Admin Reject, Admin Confirm-Reject UI	Adding and deleting shifts with all fields validated, automatic approval button	Added a bunch of back buttons cannot cancel shift 30 min before, Doctor cannot delete shift if associated with appointment, help with past appointment and booking
August	UML Diagram, Doctor and Patient Java	Helped in Administrator viewing previously	UML + Doctor shifts	Final Report

	class	rejected registration requests and approving previously rejected requests		
Shao	Add some method to class	UML diagram Check Ui	Appointment list Accept Function Cancel Function	Unit test case
Xing	Ui elements			Help with upcoming appointment

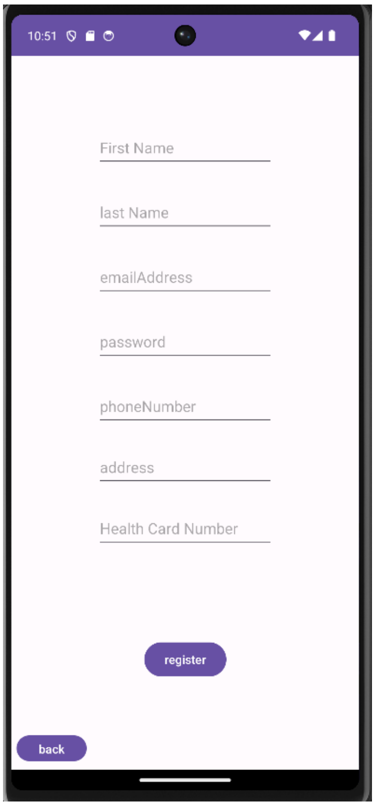
Main Screen:



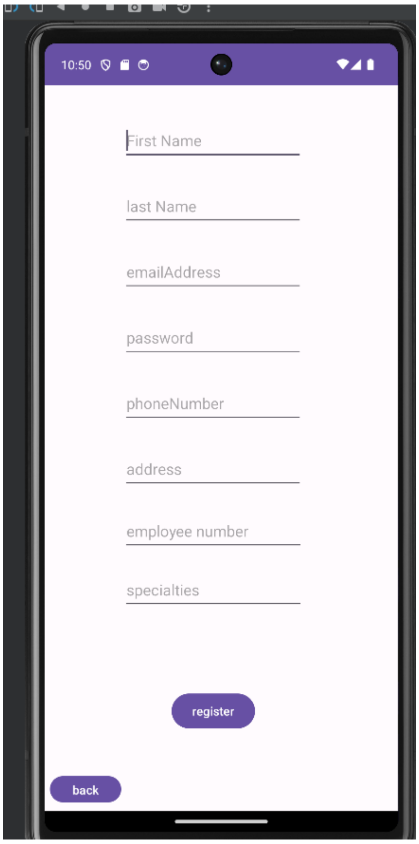
MediBook

Click below to register as

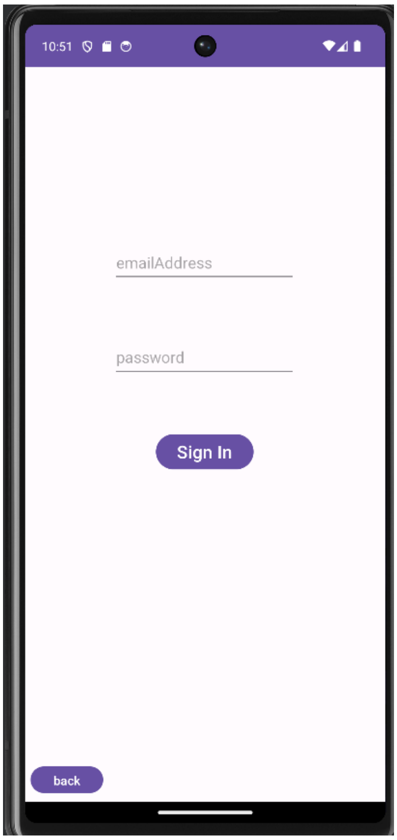
Patient registration:



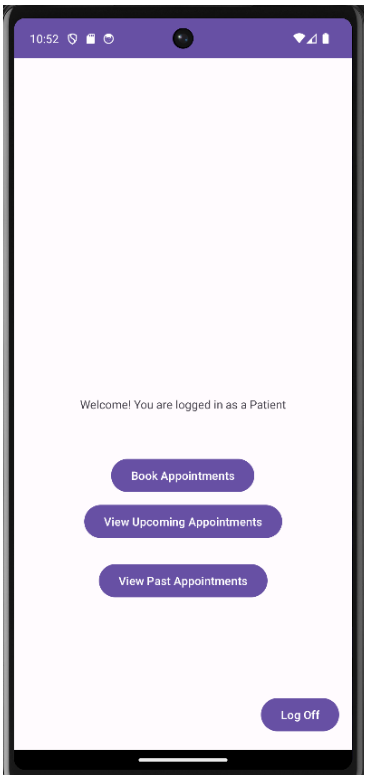
Doctor registration:



Sign In Page:

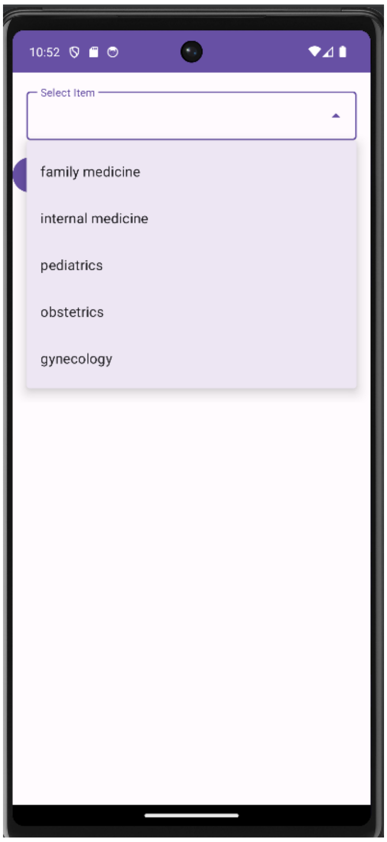


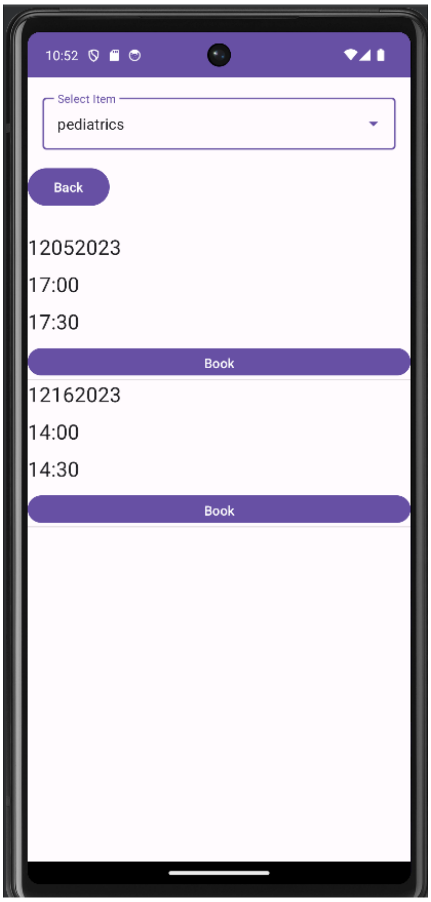
Patient interface:



Welcome! You are logged in as a Patient

Patient booking:





Select Item

pediatrics

12052023

17:00

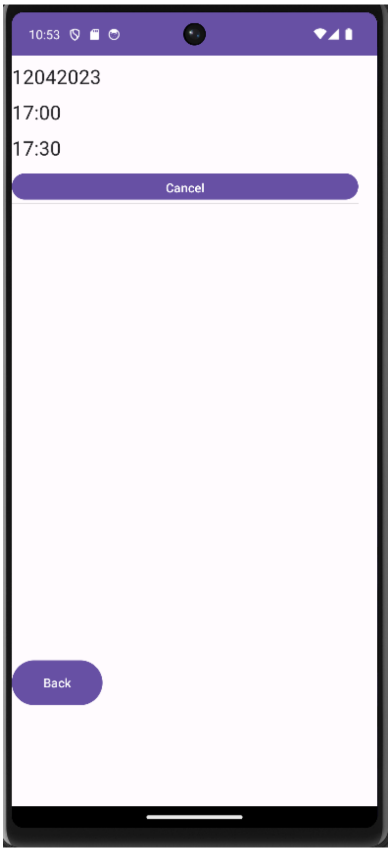
17:30

12162023

14:00

14:30

Patient upcoming appointments:

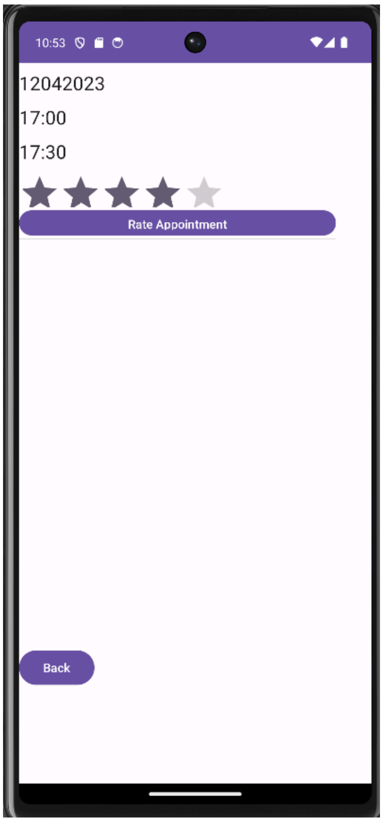


12042023

17:00

17:30

Patient past appointments:



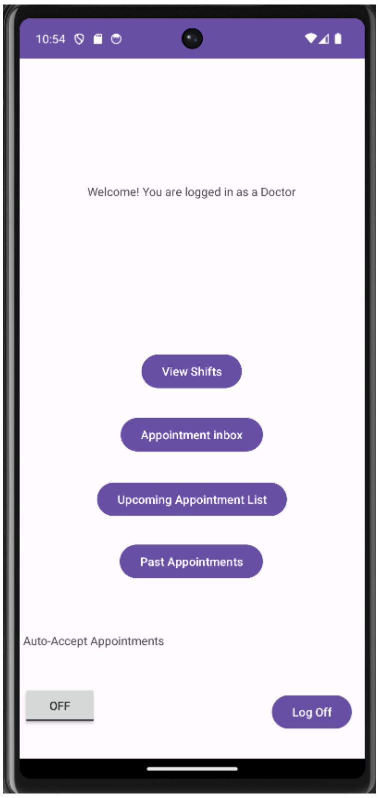
12042023

17:00

17:30

★★★★☆

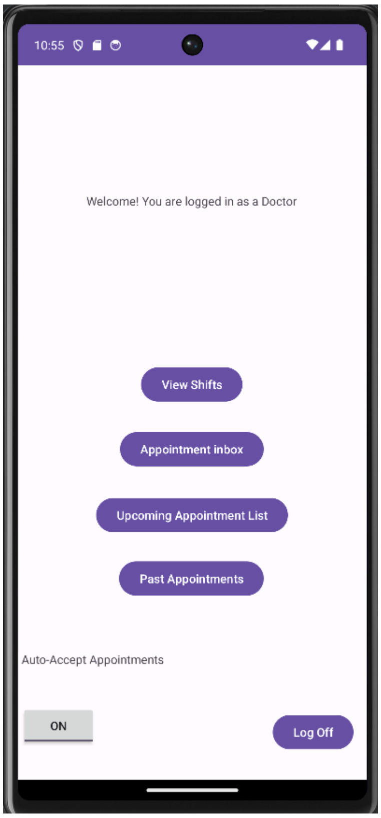
Doctor interface: (with auto accept on and off)



Welcome! You are logged in as a Doctor

Auto-Accept Appointments

OFF

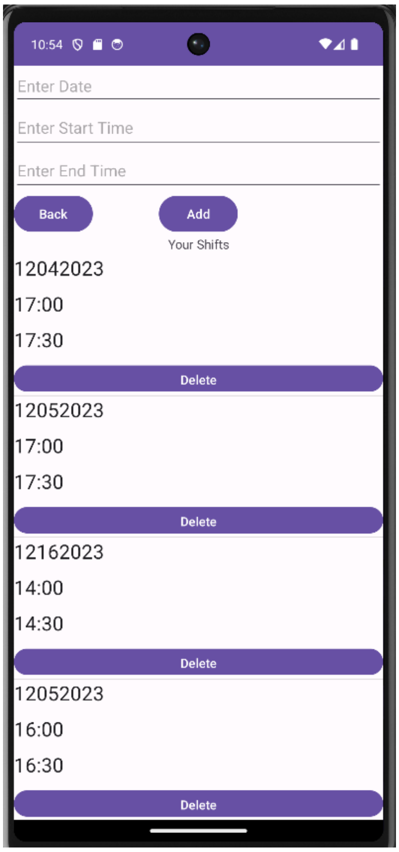


Welcome! You are logged in as a Doctor

Auto-Accept Appointments

ON

Doctor shifts:



Your Shifts

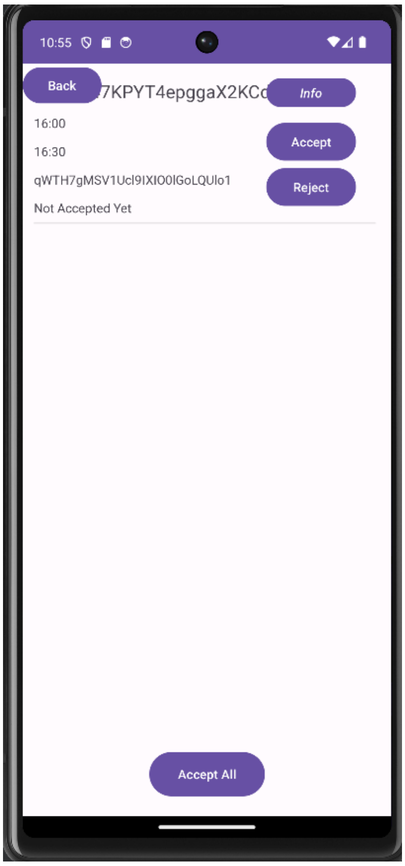
12042023
17:00
17:30

12052023
17:00
17:30

12162023
14:00
14:30

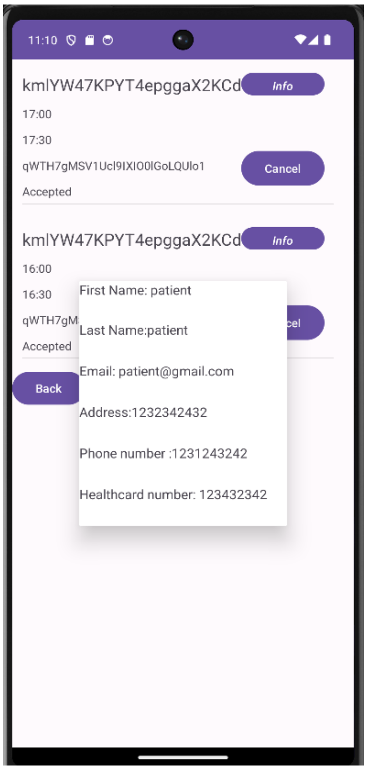
12052023
16:00
16:30

Doctor appointment inbox:



7KPYT4epggaX2KCd
16:00
16:30
qWTH7gMSV1Ucl9IXIO0lGoLQUlo1
Not Accepted Yet

Doctor upcoming appointments:



11:10

kmlYW47KPYT4epggaX2KCd

17:00

17:30

qWTH7gMSV1Ucl9IXIO0lGoLQUlo1

Accepted

kmlYW47KPYT4epggaX2KCd

16:00

16:30

qWTH7gM

Accepted

First Name: patient

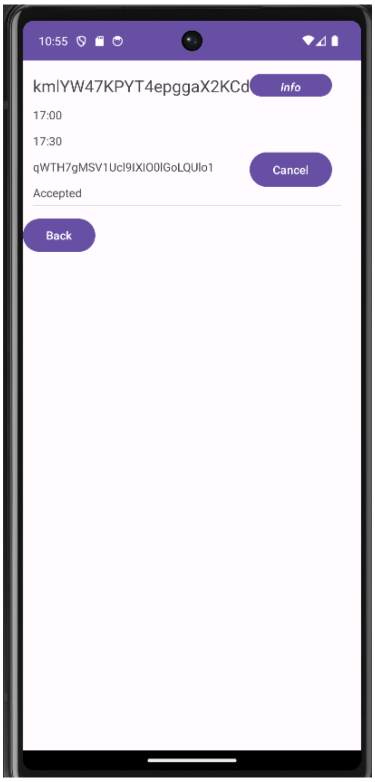
Last Name:patient

Email: patient@gmail.com

Address:1232342432

Phone number :1231243242

Healthcard number: 123432342



10:55

kmlYW47KPYT4epggaX2KCd

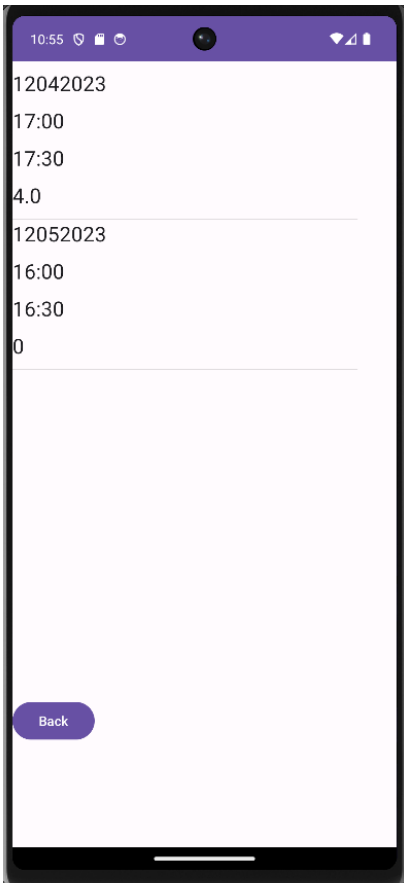
17:00

17:30

qWTH7gMSV1Ucl9IXIO0lGoLQUlo1

Accepted

Doctor past appointments:



12042023

17:00

17:30

4.0

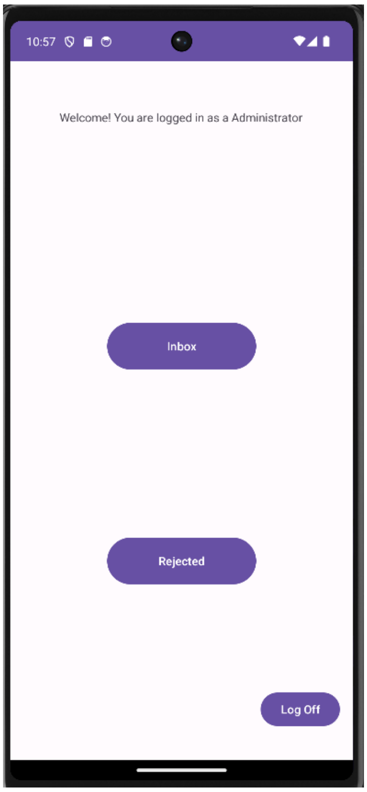
12052023

16:00

16:30

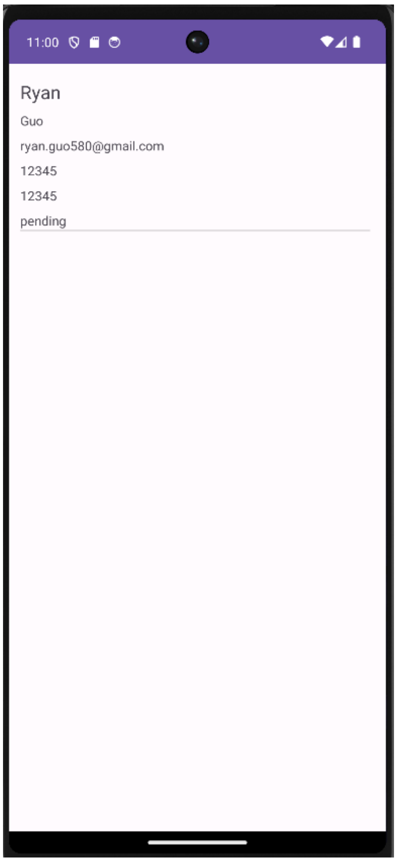
0

Admin interface:



Welcome! You are logged in as a Administrator

Admin registration inbox:



Ryan

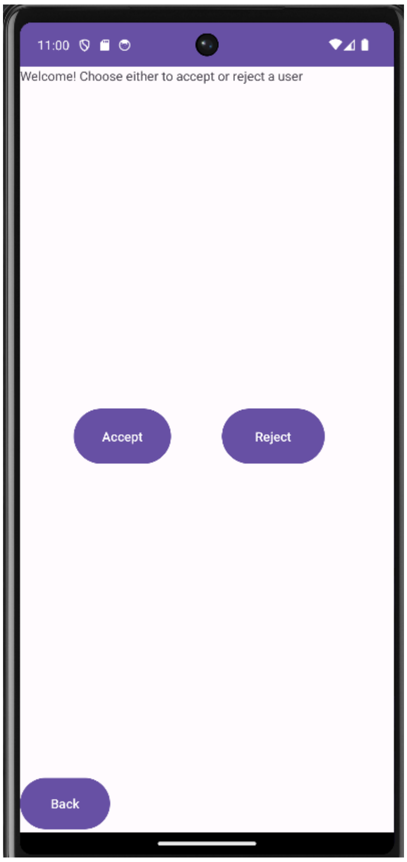
Guo

ryan.guo580@gmail.com

12345

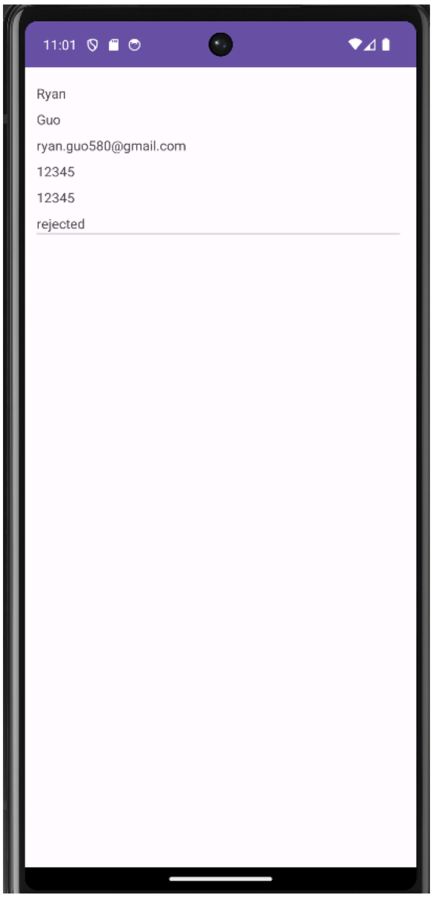
12345

pending



Welcome! Choose either to accept or reject a user

Admin previously rejected registration list:



Ryan

Guo

ryan.guo580@gmail.com

12345

12345

rejected

Lesson Learned:

Throughout this group project, we gained valuable insights into effective collaboration and software development practices. One key lesson was the significance of maintaining clean and easily comprehensible code. Unfortunately, during Deliverables 1 and 2, we encountered challenges as the code lacked proper comments and wasn't organized in a clear manner. Recognizing this, we made a concerted effort to enhance the readability of our code, understanding that clarity facilitates collaboration and understanding among team members. Another crucial aspect we learned was the importance of accommodating diverse schedules within the team. Given that team members belonged to different programs and had varying commitments, it became evident that flexibility was essential. To address this, we implemented strategies such as redistributing workloads during peak times to ensure fairness and foster a collaborative environment. Team members facing heavy workloads in one deliverable were given more manageable tasks with the understanding that they would contribute more substantially in subsequent phases.

In essence, understanding and respecting everyone's workload became a cornerstone of our collaborative efforts. By prioritizing clear communication, code readability, and adaptability to diverse schedules, we aimed to create an environment conducive to successful teamwork and project outcomes.