

CS-232

Project Report

Assignment #1

By:

Ahmad Mashhood (2021062)

Haider Irfan (2021182)



**Mess Management System**

The students of GIK have been and are facing a lot of problems regarding the messing system. The first issue is regarding the mess in/out system. If a student for some reason is not able to change his mess status to in before a certain time then he/she is not able to eat for the whole. Also if he forgets to change his/her mess status to out , they are charged even if they don’t eat for days.

Similarly there are problems when paying the bill, the mess staff has to be shown the bill receipts to be able to eat after each bill.

We are going to develop a mobile application for GIK mess system. We will be using Kotlin to develop this mobile application and PostgreSQL to develop its database. It will keep the record of students mess bill. The students will have a name, registration number, room number , hostel number and mess number. Furthermore the application will have a QR code scanner which the students can use to scan the QR code(provided in the mess) anytime using their phone. Anytime the student scans the QR code their mess bill will be updated.

The application will have a admin and a student portal. The admin will be able to see and change the daily mess charges, students mess bill, will be notified about the students having more than a certain amount of bill and will be able to see how many students liked a certain mess item. The student portal on the other hand will be having a mess bill check, will be able to see the menu ,can vote if they want a certain menu item to be changed, students will be able to pay their mess bill using bank, easypaisa, jazzcash etc.