

CSE312

Software Engineering & Project Management

Group 5

Members -

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AutoJoomer

- Offline college utility app
- Available here -
autojoomer.co/download



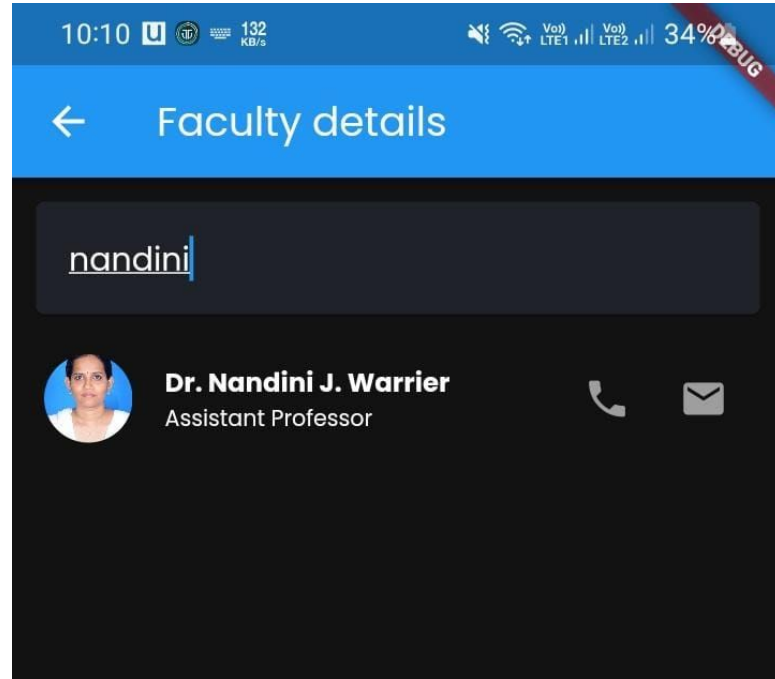
Problem Definition

- No one-stop destination for students to access all information related to college.
- It is scattered across emails, several whatsapp groups, LMS, etc.
- Tedious task of logging in to college WiFi.

SRS – Functional Requirements

- Account creation & authentication
 - Input - credentials, LMS password
 - Output - Success -> Homepage, Fail -> Error Message
- Mess menu
- Class schedule
- Important notifications and announcements
- Faculty details
- Academic calendar

Example of faculty details



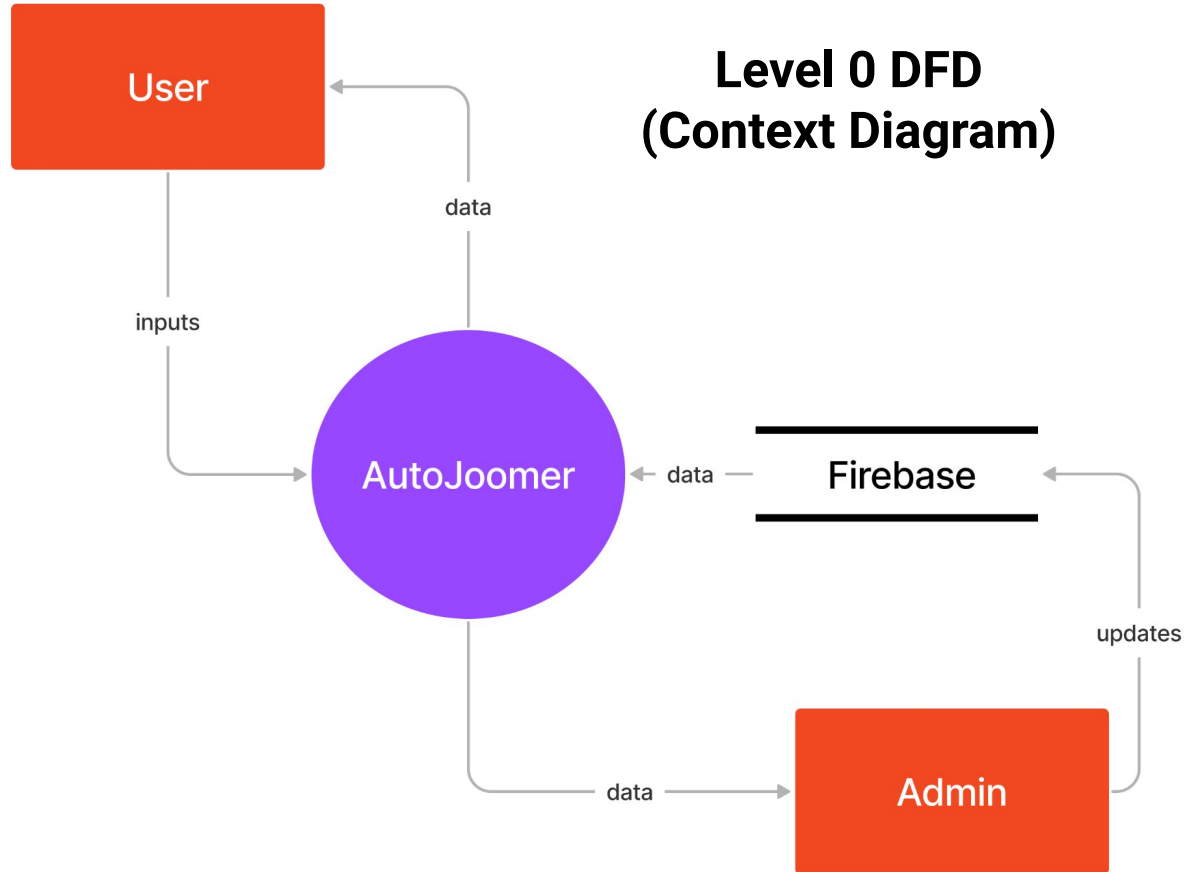
SRS – Non Functional Requirements

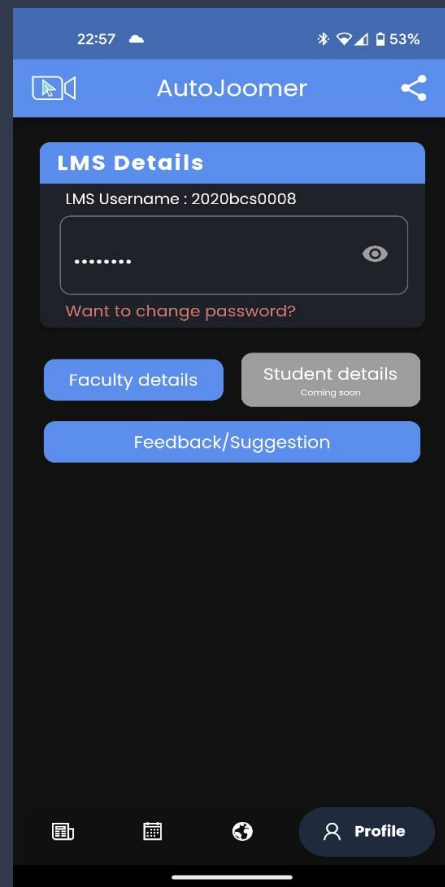
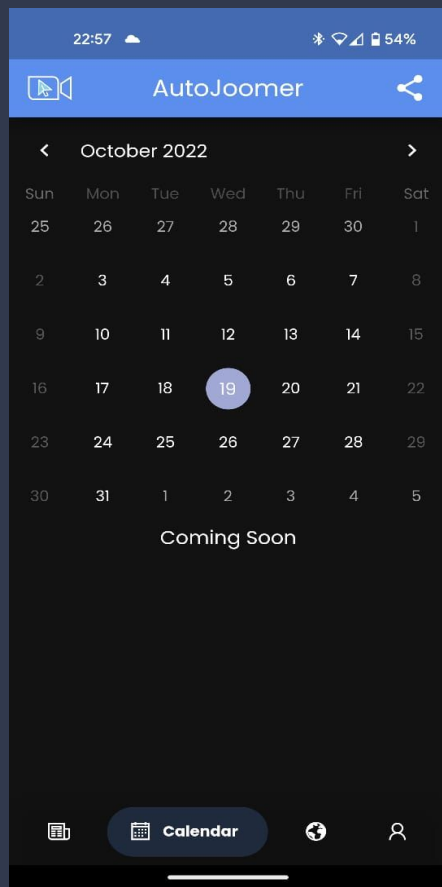
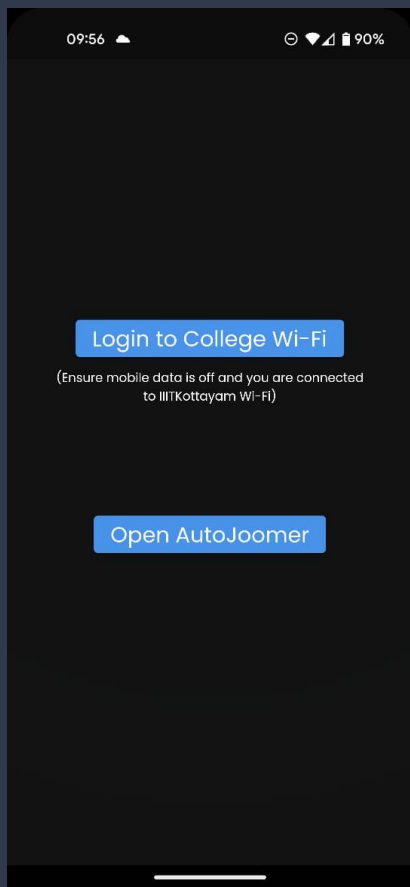
- Portability
Available as mobile application
- Security
Secure storage of user credentials like LMS password
Only admins can update data
- Maintainability
Regular updates, bug fixes, version control
- Usability
Interface has to be user-friendly and easy to use.

Constraints

- Currently the app is made only for Android and not for iOS.
- Admins should have the changes beforehand and should be available to modify in the backend in a timely manner
- Should not exceed the free tier of Firebase, 1GB of data egress, Cloud Storage of 5GB only
- Since developers are students, maintenance and updates during exam weeks may get delayed

Level 0 DFD (Context Diagram)





Thank you

