CSE312
Software Engineering & Project Management

Group 5
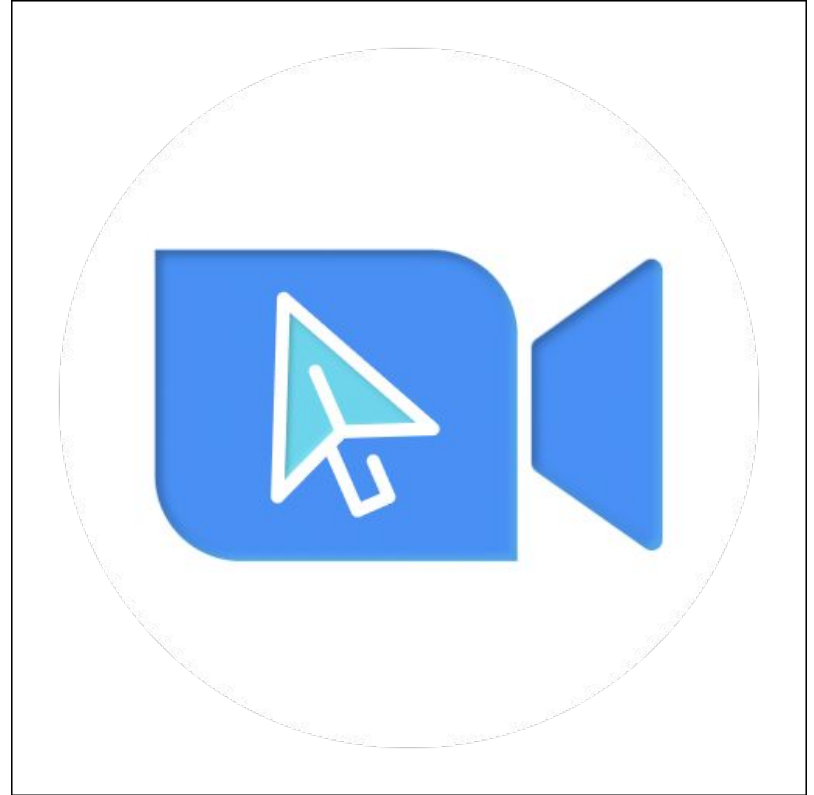
Members -
Aditya Srinivas Menon (2020BCS0008)
Sumanth Kotikalapudi (2020BCS0010)
Nishith Baravkar (2020BCS0092)
Vishal Lokare (2020BCS0120)

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
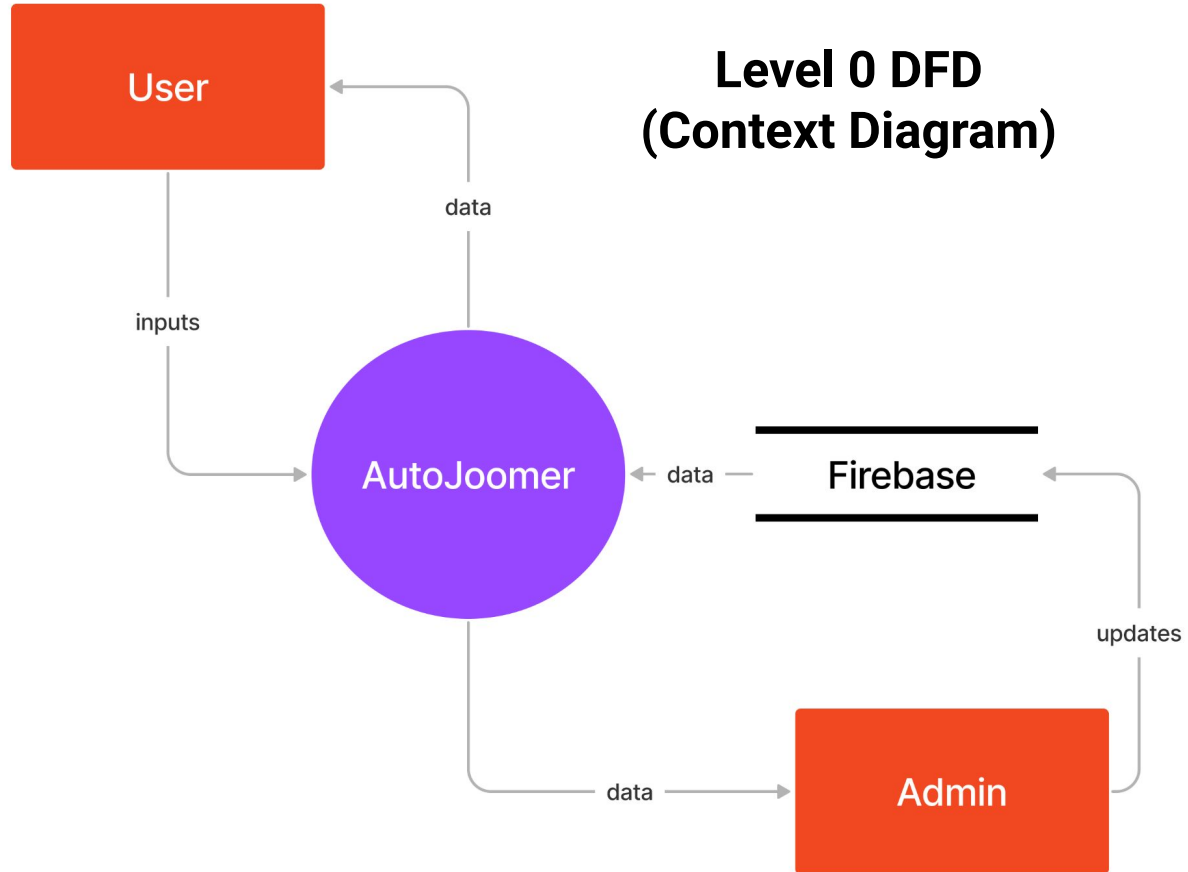- Faculty details
- Academic calendar

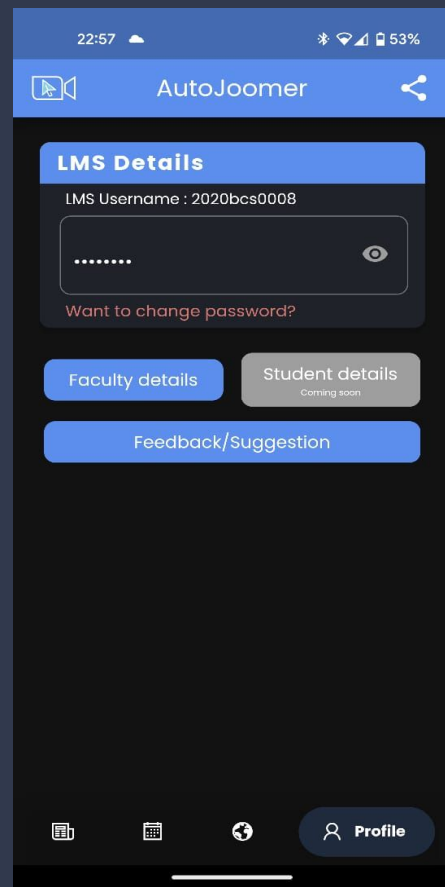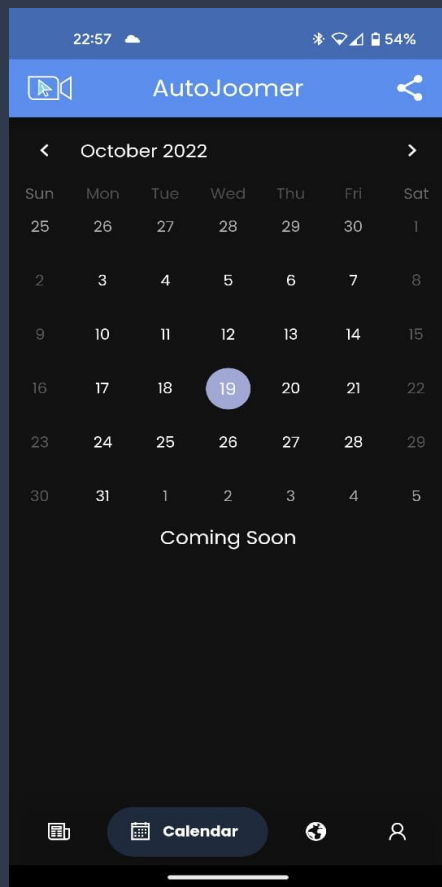# SRS – Non Functional Requirements

- 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)

Screen 1

09:56

Login to College Wi-Fi

(Ensure mobile data is off and you are connected to IIITKottayam Wi-Fi)

Open AutoJoomer

Screen 2

22:57

AutoJoomer

Ongoing Class
No class right now

Upcoming Classes
No upcoming classes

Upcoming Assignments
No upcoming assignments

S	M	T	W	T	F	S

Dinner

- Kadai Chicken
- Shahi Paneer
- Kerala Parotta
- Lemon Sharbat
- Rasam
- Rice
- Roti
- Curd
- Salad

Feed

Screen 3

22:57

AutoJoomer

← October 2022 →

Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

Coming Soon

Calendar

Screen 4

22:57

AutoJoomer

LMS Details

LMS Username : 2020bcs0008

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Want to change password?

Faculty details

Student details
Coming soon

Feedback/Suggestion

Profile

Thank you