SOFTWARE ENGINEERING LAB

PROJECT TITLE: HoGo - An Apartment Community App

GROUP NUMBER: 14

TEAM INFORMATION:

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PROPOSED PROJECT DESCRIPTION:

Secura is an apartment community app aimed at providing a platform for the residents to communicate, manage their maintenance bills, raise issues and its core feature providing security by verifying identities of people entering the apartment that includes guests, domestic help and package deliveries.

This application makes it hassle free for residents to manage security better as they can accept/deny entry of others from any place. Complaints can be placed at your fingertips with convenience. Communication with your neighbours made easy. It is the one stop solution for all your apartment-related needs.

- Gate Features: A security system that uses QR codes to allow House helps, Delivery Boys, and Guests to enter the community securely. This allows the user to be alerted who is trying to enter the apartment.
- Customer Registration: Allows new residents to register and virtually become a part of the apartment community
- Maintenance: Pay maintenance bills through the app.
- Forums and Chat Section: Residents can chat with their neighbours, discuss/organise events and raise complaints that will directly inform the authorities.
- Directories: Provides extension information about the flats and common areas such as main gate security, maintenance staff, club house etc

Using MERN stack to implement a working dynamic webpage.

PLAN OF WORK AND PRODUCT OWNERSHIP:

Short-term goal:

1. To plan the database schema for all the features mentioned.

2. Implement the database on MongoDB.

3. Designing a basic prototype to visualise the final web application

Work division:

Gate Features ~ Aarav Babu

Customer Registration, Login and Directories ~ Shriya Harish

Maintenance ~ Aditya Lawankar

Forums and Chat section ~ Advaith Shet