Group - 6 (Java Tech Track)
Mini Project ELTP (Training Phase – 2)

Team Members

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Synopsis

1. Title

SOCIO - EASE

2. Introduction

Increasing crimes in the cities are being a major problem for Architectural firms and builders are facing to make their societies more secure for their residents. Using are "Socio-Ease" web-based security application, The residents of the society can just enter the basic details of the visitors and a unique 4-digit code will be generated which is to be verified by the security guard. This simple technique can reduce the society related crime to a certain extent. Our application also has a database for the daily household needs that one will need; the database gives the contact and prices and the residents can use their services.

2.1 Project benefit

Using this web app, we can restrict entry of strangers in the society.

Using our rating feature, residents can choose best service providers.

Residents can get daily household services quickly.

3. Problem Statement

In today's world where crimes are increasing day by day, all the Communities and societies are trying to make their residents feel more safe and secure. Need for securities in societies is must, as societies are becoming target for crimes like robberies, kidnapping etc. In addition to this, due to hectic life schedule people are becoming more reserved and non-social.

4. Objectives

This web app provides a secure ambiance to the residents of the society by restricting entry of strangers, along with this our web app also provides daily household services like plumbing, electrician, maids, etc. In addition to this, we are also putting an effort to make people more social by organizing events.

5. Intended Users

Residents

6. Existing System

MyGate's Security Management module simplifies communication between residents and the main gate. It enables residents to notify guards that they are expecting a visitor or delivery and guards to seek the permission of a resident when someone comes unannounced. This seemingly simple connection can bring powerful change to any community.
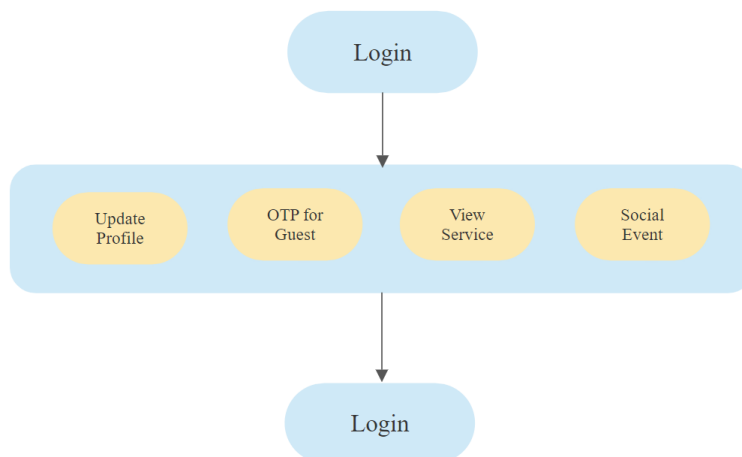
6.1 Limitation

No rating/feedback for service providers

No efforts for social engagement

7. Proposed System

Our web app ensures that only visitors, delivery executives, and daily staff approved by residents gain access to the premises, enhancing security furthermore, our app also provides daily household services, moreover to generate the spirit of comradery between residents we also organize social events.

7.1 Process Flow

```
                    ┌──────────┐
                    │  Login   │
                    └────┬─────┘
                         │
                         ▼
   ┌──────────────────────────────────────────────────┐
   │  ┌─────────┐  ┌─────────┐  ┌─────────┐  ┌────────┐│
   │  │ Update  │  │ OTP for │  │  View   │  │ Social ││
   │  │ Profile │  │  Guest  │  │ Service │  │ Event  ││
   │  └─────────┘  └─────────┘  └─────────┘  └────────┘│
   └──────────────────────┬───────────────────────────┘
                          │
                          ▼
                    ┌──────────┐
                    │  Login   │
                    └──────────┘
```

7.2 Hardware Requirement

General pupose system with basic configurations

Processor i3/i5/i7, ram 4/8/16 g, etc

7.3 Software Requirement

1. Spring Tool Suite

2. MySQL

3. Postman

8. Conclusion

Our website fulfils a major thing that all the societies have been facing lately. Maintaining the security is getting tough day by day, so using our application it helps society residents to make their societies safer by letting them generate a unique OTP for the guests incoming.

It also helps the society residents to book on demand day to day services which are needed for all the societies.

So, our application provides security as well as service providers.

8.1 Future Enhancement

1. Create mobile application for convenient use

2. This application will be integrated with more functionality like

   Polling system, maintenance cheque, etc.