

# Student Housing System

## Design Document

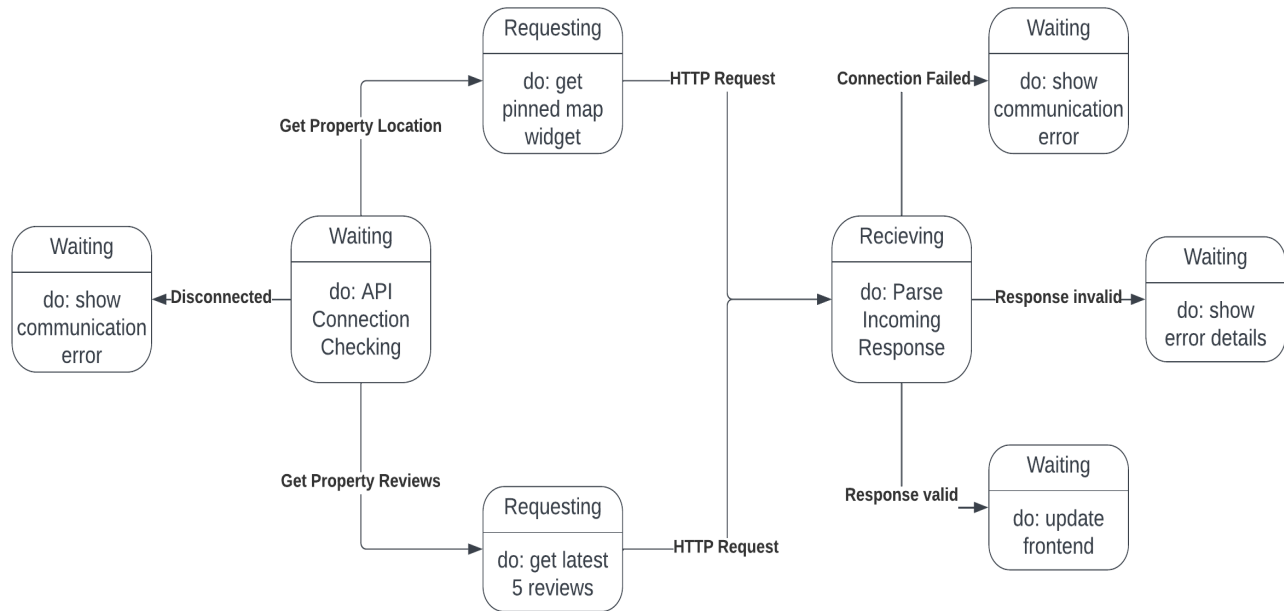
### CSC640 Fall 2023

#### **Team Members**

- Varsha Annamalai
- Sony Annem
- Mostafa Abdelmegeed
- Keerthi Devireddy

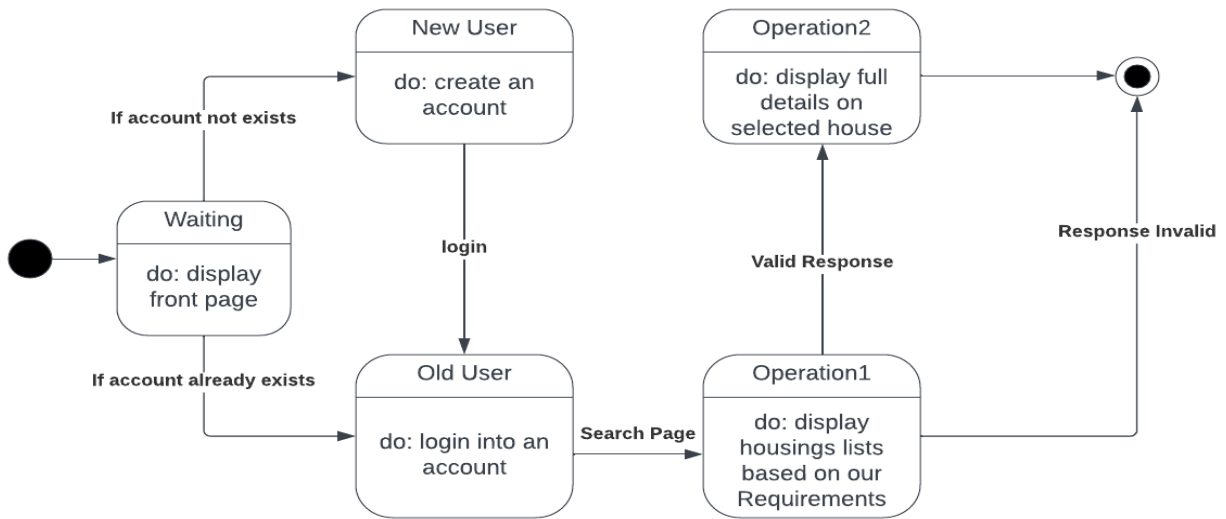
# Finite State Machines

## Google API



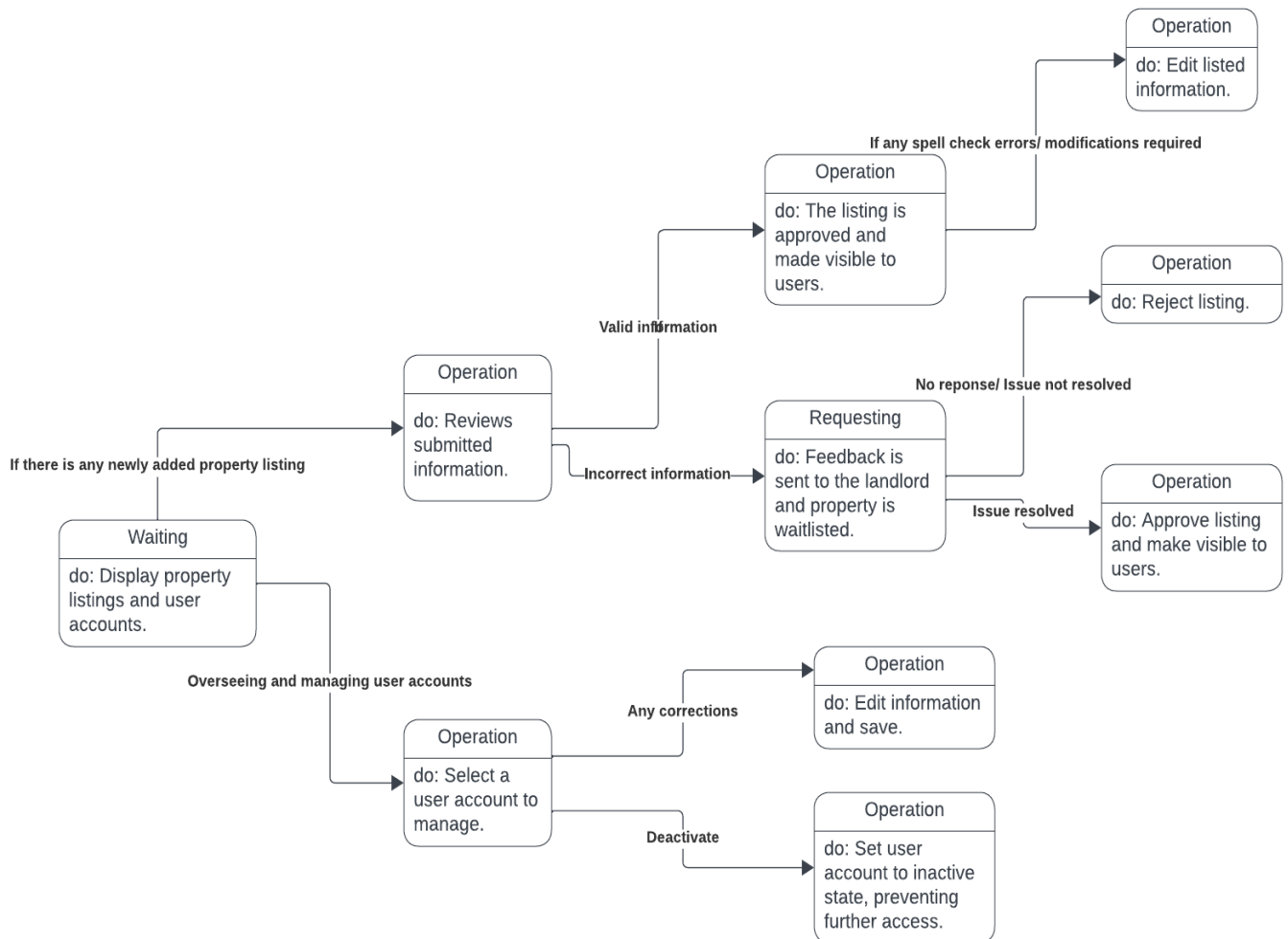
State	Description
Waiting	The state where no requests or responses are happening
Requesting	The process of requesting certain info from the API
Receiving	A state where the system is expecting a response from the API, during this state the response is parsed

## User Module

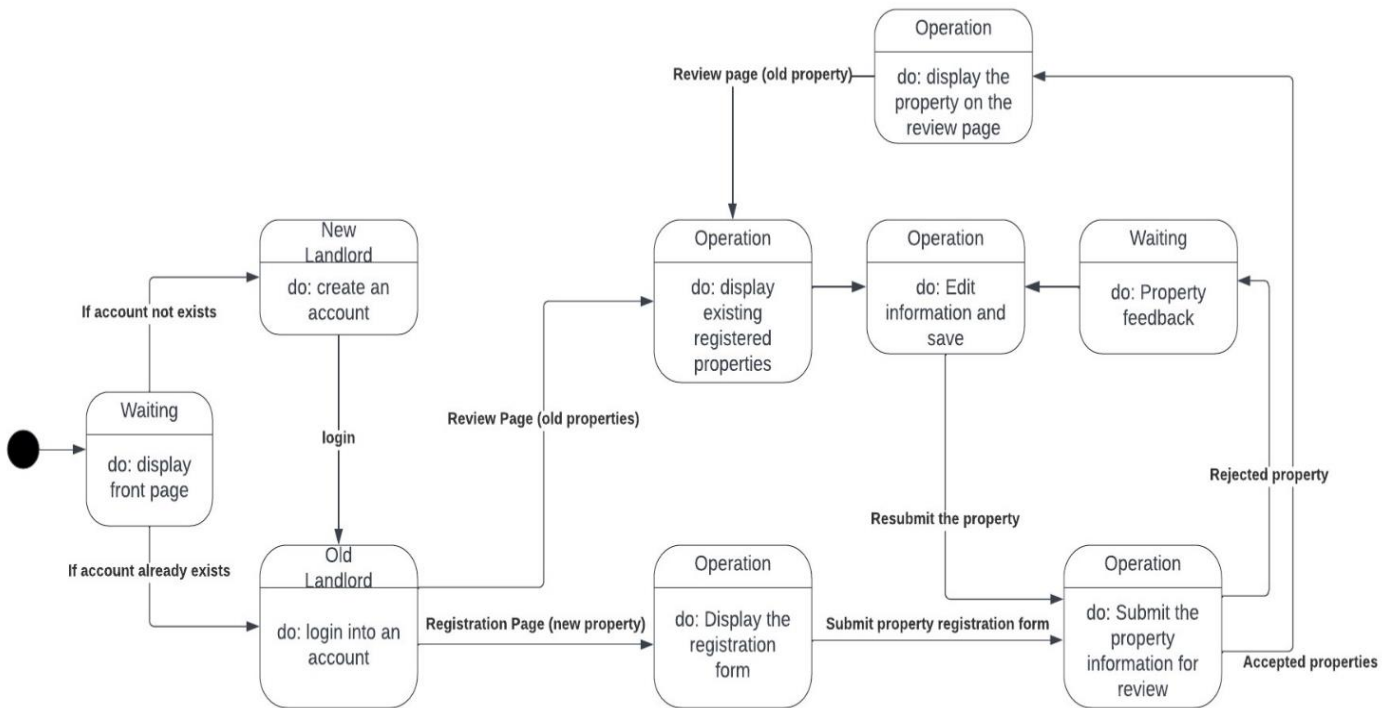


State	Description
Waiting	The main webpage which contains login details
New User	If the user was first time, then they need to register for an account by passing little details like name, email, phone number, selected password.
Old User	A user can login in into website just by-passing email id and password
Operation1	This is searching page, were user can search for the housings based on their requirements
Opeartion2	It provides detailed information about a particular house that users selected.

## Admin Module

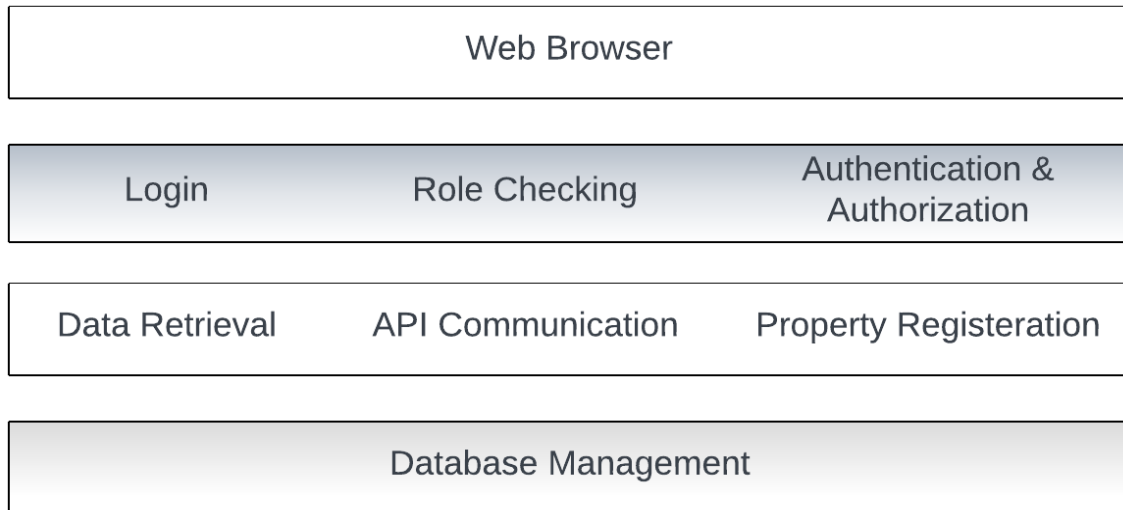


## Landlord Module (Varsha Annamalai)



## Architecture Diagram

### Layered Architecture



### Assigned Tasks

Task #	Task Name	Assignee	Domain
1	Property Page	Keerthi	Frontend
2	Landing Page	Varsha	Frontend
3	User Profile Page	Sony	Frontend
4	Property Registration Page	Mostafa	Frontend
5	Database Connection	Keerthi	Database
6	Google API	Mostafa	Backend