

# REQUIREMENT GATHERING FOR BIT STAFF QUARTERS PORTAL

## STUDENT DETAILS:

<b>NAME</b>	SABARI S
<b>ROLL NO</b>	7376221ME137
<b>SEAT NO</b>	439
<b>PROJECT ID</b>	39
<b>PROBLEM STATEMENT</b>	BIT STAFF QUARTERS PORTAL

## PROJECT DETAILS:

### **STATEMENT:**

To develop an customized portal for BIT staff quarters which includes inmate & their family members details, Check in & Check out form, Complaint registration form, Garden Cleaning form, Faculties in & out details during GP.

### **STACK DETAILS:**

The stack used in this project is MERN stack. This stack is totally based on JAVASCRIPT technologies. This stack is very popular and widely used stack.

The four key technologies that used in this stack are:

- MongoDB — document database
- Express(.js) — Node.js web framework
- React(.js) — a client-side JavaScript framework
- Node(.js) — the premier JavaScript web server (runtime)

## PROJECT FLOW:

### **PURPOSE:**

The Purpose of the project is to develop an web application that can collect the data Staff Quarters members details and organize them into this portal. Also this website can get complaints regarding household issues like plumbing, carpentry etc. To collect the details of guest arrived , inmates details can also be stored in this website.

### **DEPENDENCIES:**

The dependencies that be should installed for this project are follows:

<b>DEPENDENCIES</b>	<b>WHY ?</b>
Node JS	It allows to reuse code and to acces various dependencies .
React JS	This will install the modules, folders and files rquired for the project.
MongoDB	This allows to connect the Database and server
React Router DOM	Router allows to create the multiple pages .
Tailwind CSS	To style the Web application.
Google Oauth	To allow google authentication

## USERS:

- **ADMIN:**

Those who can see complaints registered, Guest check in /Check out date and time , Inmates details and Inmates check in / check out dates.

- **USERS:**

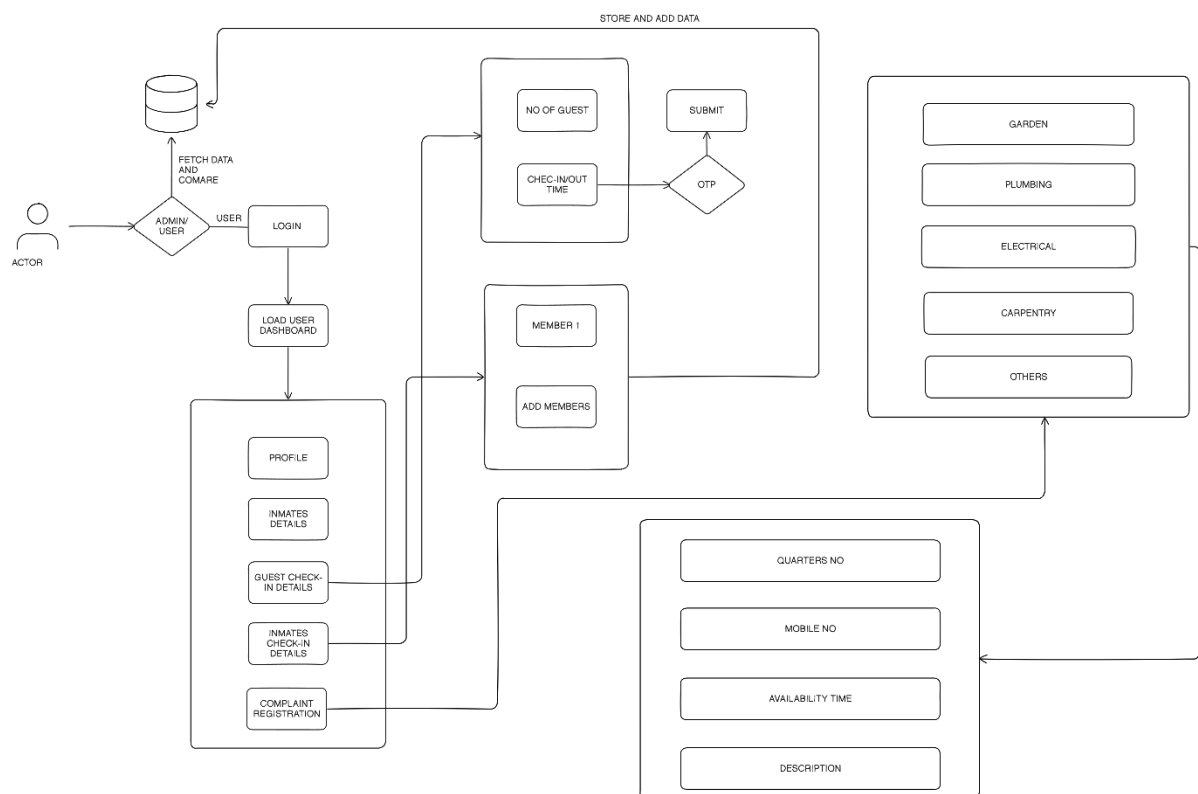
They are the one who lives in quarters where they can complain household issues etc.

## FEATURES:

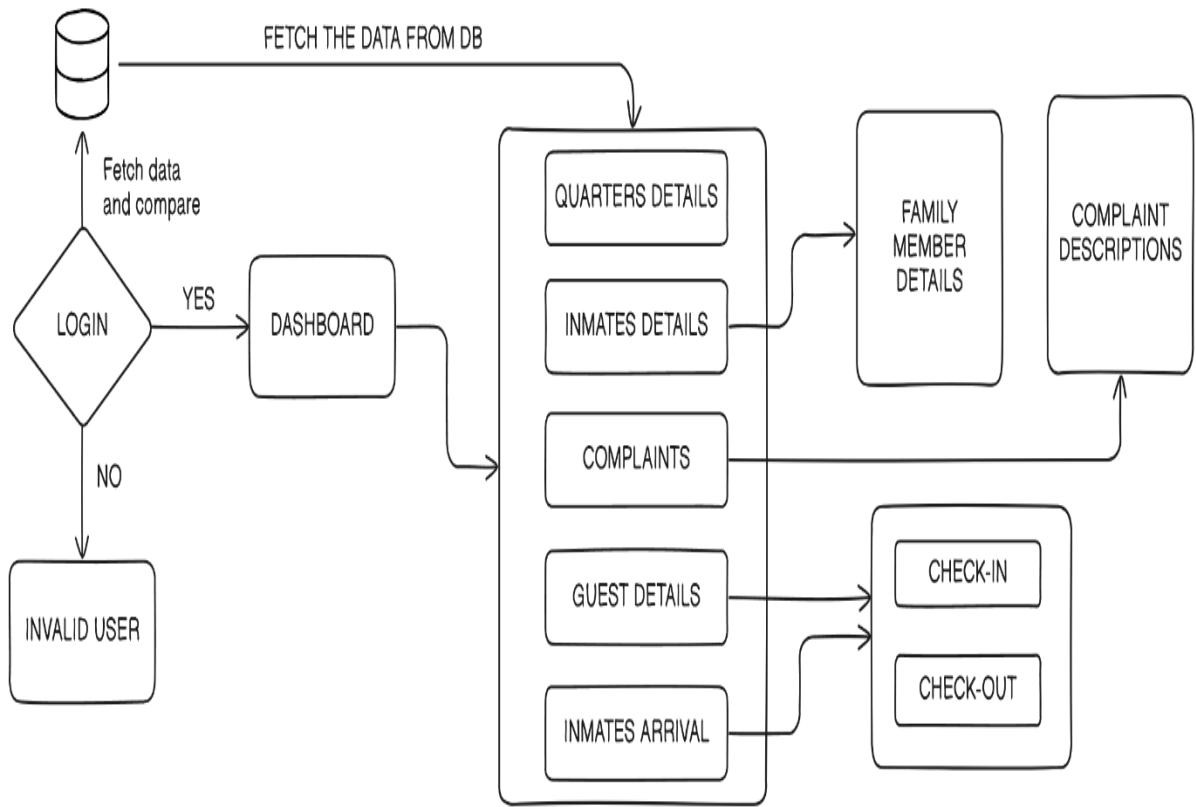
- Login & registration with google login features
- Separate dashboard for user and admin
- With profile page of the user

## FLOW CHART:

### USERS INTERFACE:



## ADMIN INTERFACE:



## BACKEND:

### 1. STAFF ENTITY:

Username	string
Name	string
Password	string
Age	number
Department	string
Quarters no	number
DOB	date
Mobile no	number
Mail id	string
Blood group	string
Aadhar number	number
Pan number	number
Permanent address	string
Vehicle No	string

### 2. INMATES ENTITY:

Name	string
Relation	string
Age	number

blood	string
Aadhar	number
Working status	boolean

### 3. GUEST ENTITY:

No of Guest	Number	
Date		
	Check in	Date
	Check Out	Date

### 4. COMPLAINT ENTITY:

Quarters Number	number
Name	string
Mobile no	number
Availabilty time	Date & time(drop down)
Description	string