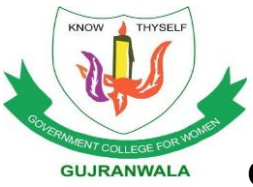

Govt. Graduate College for Women, Gujranwala

Smart Set Assistant

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1. Introduction:

The housing societies are increasing in number in all major cities and people are moving in the housing societies to have a better living standard. However, they might have to face many issues related to a common services like house maintenance and repairing in their housing societies housing societies. Due to shortage of time, they might face issues in finding the suitable solution. So, housing societies needs to offer an online service through the mobile application. This project aims to provide home services in housing societies in a convenient and affordable way. This will allow members of societies to book services such as cleaning, repairs (electricians, plumbers) etc. It will have features such as an online scheduling system and a customer service center.

1.1. Project Overview Statement:

Project Title : Smart Set Assistant

Group Leader: Tabinda Anmool

Project Members: 3

Name	Registration #	Email Address	Signature
Tabinda Anmool	2019-gwg-751	tabindaanmol@gmail.com	
Anam Anmool	2019-gwg-744	anamanmol777@gmail.com	
Ayisha Kanwal	2019-gwg-417	ayishakanwal0006@gamil.com	

Objectives:

Sr.#	
1	Deliver effortless access to housing societies for household services.
2	Provide an active platform for the service providers to get employment online.
3	This system will save the time of the Users.
4	After signup user shall login to take advantage of the services offered to users.
5	To provide the information about the using of application.

Project goals:

Provide a reliable and affordable services to the resident of the housing societies and enhance the quality of life by providing them necessary services

Project Success criteria:

The success criteria of the Project are the user satisfaction for this system. If user can perform all tasks very well then that will be success of our project.

Organization Address (if any): Govt. Post Graduate College (W), Town, Gujranwala

Type of project: □Development

Target End users: Housing Societies , Service Providers

Development Technology: □Object Oriented

Platform: □Application Based

Suggested Project Supervisor: Mam Kiran Naseer

Approved By:

Date:

1.2. Assumptions, Risks and Obstacles:

1.2.1. Risk /Obstacles:

- Unavailability of Internet.
- Lack of skilled Person's.
- Requirement may be not cleared.
- There may be poor communication among application and device.
- There may be time constraints.
- Members of group may be leave.

1.2.2. Assumptions:

- Hardware will be available.
- Internet availability.
- Everyone who uses it, will be skilled.

1.3. High-level system components:

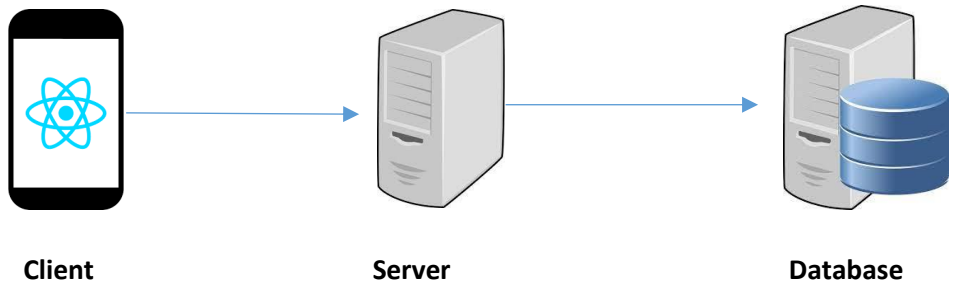
- Service Providers and housing societies must login first to get access of application.
- Administration has record of all housing societies.
- Administration has record of all Service providers.
- The end user can access all housing services without any effort.

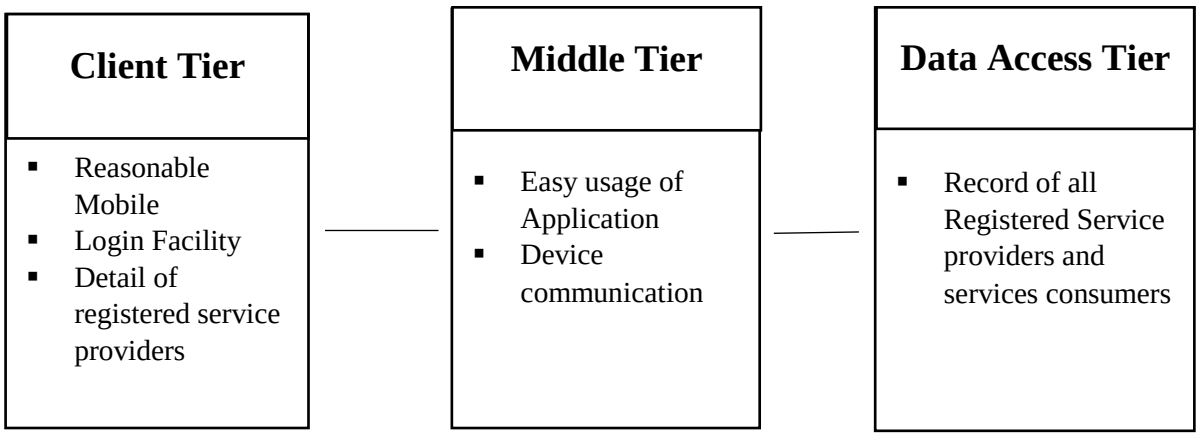
1.4. List of optional functional units:

1.5. Exclusions:

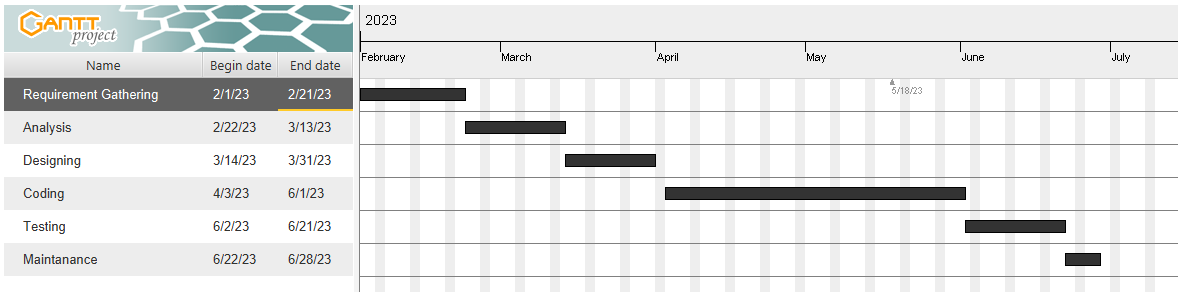
- Communication between housing societies.
- Communication between service providers.

1.6. Application Architecture:





1.7. Gantt Chart:



1.8. Hardware and Software Specification:

For this system to work **efficiently and effectively** the user will need an **Android Mobile Device.**

1.8.1. Minimum Hardware Specification:

1.8.1.1. Server Side:

- SSD: 256GB+
- Processor – i5+
- Ram: 4 GB+
- Internet connection of 8 Mbps

1.8.1.2. Client Side:

- Android Mobile Device
- Ram: 4 GB
- Internet connection of 4 Mbps

1.8.2. Minimum Software Specification:

1.8.2.1. Client Side:

Clients will need to be using the Android/IOS mobile, active internet connection, and play/app store installed on the device.

1.9. Tools and Technologies used with Reasoning:

1.9.1. Development Tools:

1.9.1.1. VS Code:

VS code is a good **Editor,** that supports syntax highlighting and code completion using IntelliSense for variables, functions, methods and loops. We use this for writing code.

1.9.1.2. Android Studio:

Android Studio is the official integrated development environment (IDE) for Android application development. We use android studio for building Application.

1.9.2. CASE Tools:

1.9.2.1. MS Word:

We used MS Word for documentation of the project such as Proposal is made in MS Word.

1.9.2.2. MS Visio:

We use it for Diagram Editing.

1.9.2.3. Agro UML:

- Advanced Diagram Editing.
- Extensible Modules Interface.
- Platform Independent

1.9.2.4. MS Project

It is used to prepare the **Gantt chart.**

1.9.3. Languages:

1.9.3.1. React-Native:

React Native is framework of JavaScript. We use it for building the **Mobile Applications**. That can be deployed to both IOS and android platforms. We use it due to its platform Independence feature.

1.9.3.2. MERN Stack:

MERN is a stack language, meaning it is a language that can be used as a backend for other languages. We use it because it is fast, scalable and easy to use.