

Software Requirements Specification (SRS)

Requirement analysis is a software engineering task that bridges the gap between system level software designs. We have done the requirement analysis in order to understand the problem faced in our objectives. The emphasis in requirement analysis is on identifying from the system, not how the system will achieve this goal.

1.Functional Requirements

1.1 Admin

- Login
- Manage authority
- Manage user
- Manage staff
- View complaint and reply
- View feedback and rating
- view time schedule
- Chat with staff and authority

1.2 Authority

- Login
- View profile
- profile update
- Manage time schedule
- View staff and verify
- view user details
- View request for water supply and verify
- Assign work to staff
- View work report
- View feedback and rating

- View complaints and send reply
 - chat with staf

1.3 Staff

- Login
- View and update profile
- View assigned work
- Update work report
- View user details
- Chat with user and authority

1.4 User

- Register
- Login
- View profile and update
- Send application
- view application status
- payment
- Bill
- View time schedule
- Send complaints
- Send feedback and rating
- Chat with staff

2. Non-Functional Requirements

- Maintainability - The proposed system is capable of being maintain cost effective over its expected lifetime
- Usability - The proposed system is straightforward to use by as many people as possible.

- Data integrity - The proposed system maintains and assure data accuracy and consistency over its entire lifecycle.
- • Security - All data inside the system will be protected against malware attacks or unauthorized access.
- • Portability -proposed system can implemented in any computer system.

3.SYSTEM SPECIFICATION

Hardware and software requirements for this project can be tailored for the front-end system, with minimum configurations recommended for both. The software's functionality is environment-specific, divided into Hardware and Software Requirements phases.

3.1 Hardware Specification

- Processor : i3 or above.
- Input device : Keyboard ,Mouse
- Output device : Monitor
- RAM : 4GB or Above
- HDD : 500 GB or Above
- Mobile : Android supported mobile phone

3.2 Software specification

- Operating System : Windows 10 or above.
- Technologies used : Android
- Front end : Flutter
- Programming language : Dart
- Back End : Python-Django
- Database : Mysql
- IDE : Visual Studio Code ,Android Studio
- Web browser : Google Chrome,Internet Explorer,Firefox