PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF-RELIANT FUNCTIONAL AND NON FUNCTIONAL REQUIREMENTS

Functional Requirements

- **Admin Interface**

  This module used to interact with application that admin has unique username and password. Authorized admin only can access the application. Admin has the responsibility to maintain the application.

- **Patient Interface**

  Thus module for parents to create a account and login account. Patients have to create a new account for using this application. After registration patients get username and password. Registered patients only can use this application.

- **Set alert module**

  It helps in reminding about the medicines. User can add details of his dosage schedules. Using the date field one can enter the starting and ending dates between which he has to take medicines. The time field shows the time of dosage and on that time the alarm will get rung. The user can add the description of the medicine, including name, purpose and other related description. All the information will be saved in the database.

- **Voice based Reminder Alert**

  A regulator is a particular type of clock used for calculating specific time intervals. This timer dynamically monitors the time details. This timer event will activate when ever Time will match with user Set Time interval. Once Timer event call this application produce voice based Medicine remainder alert to elder people effectively.

Non - Functional Requirements

Usability

The system shall allow the users to access the system with pc using web application. The system uses a web application as an interface. The system is user friendly which makes the system easy

Availability

The system is available 100% for the user and is used 24 hrs a day and 365 days a year. The system shall be operational 24 hours a day and 7 days a week.

Scalability

Scalability is the measure of a system's ability to increase or decrease in performance and cost in response to changes in application and system processing demands.

Security

A security requirement is a statement of needed security functionality that ensures one of many different security properties of software is being satisfied.

Performance

The information is refreshed depending upon whether some updates have occurred or not in the application. The system shall respond to the member in not less than two seconds from the time of the request submittal. The system shall be allowed to take more time when doing large processing jobs. Responses to view information shall take no longer than 5 seconds to appear on the screen.

Reliability

The system has to be 100% reliable due to the importance of data and the damages that can be caused by incorrect or incomplete data. The system will run 7 days a week. 24 hours a day.