***Software requirement specification for Clinic Information System (Icare)***

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1. **Introduction:**

A Product requirements document is used in product marketing to plan andexecute new products.

A Software Requirements Specification is a complete description of thebehavior of the system to be developed. It includes a set of use cases thatdescribe all the interactions that users will have with the software.

Use Cases are also known as Functional Requirements. In addition to use cases, the **SRS** also contains nonfunctional requirements.

The software requirements document is a written statement of what thesoftware will do.

What the software does is directly perceived by its users. When the userperforms some action, the software responds in a particular way.

Therefore, you must agree on actions the users can perform and response theyshould expect. This common understanding is captured in the requirementsdocument.

* 1. **Purpose:**

This document contains the tests requirements for Icare clinic information System.

* 1. **Project scope:**

This document encapsulates the functional requirements for the software that will be developed in detail. And include details about most likely use cases and how the system should react to them.

1. **Requirements**

This part of the requirements document serves to present the "big picture" of the application. Here you lay out the objectives of the application.

* 1. **Login :**

The login will be the first interface the user interacts with when the application will start, there will be two inputs username and password , and two buttons login and clear.

* + 1. **Functional Requirements :**
       1. **Req001:**

User clicks sign without entering any information

**Req001a:** Error text will appear at top of screen

**Req001b:** Error text will be in red

**Req001c:** error message will be “No inputs given please enter username and password”

* + - 1. **Req002:**

There will be three users at the launch of the application:

1.Owner(admin)

2.Mannger

3.Receptionest

Each user will have a unique ID for login where moreover each of them will have a different prefix of the username and the ID must be longer than 3 therefore it will be prefix which is 3 letters and one number minimum.

**Req002a :**

Owner username must start with “OWN” in capital or small then followed by users unique ID.

**Req002b :**

Manager username must start with “MAN” capital or small followed by the users unique ID.

**Req002c:**

Receptionist username must start with “REP” capital or small followed by the users unique ID.

* + - 1. **Req003** :

User gave incorrect username or username

**Req003a :** Don’t enter the system

**Req003b:** Error message will be displayed at top of screen

**Req003c:** Error message will be displayed at top of screen

**Req003d :** Display invalid error message “Invalid Email or Password Please Try again”

* + - 1. **Req004:**

Password must be longer then 3

* + - 1. **Req005:**

Username and password must not be empty

* + - 1. **Req006:**

Clear Button will empty contents of text boxes

* + 1. **Login Graphical user interface (GUI) :**
       1. **Req007:**

Interface on start up

**Req007a** : Label “Sign in” visible: True

**Req007b** : Label “error Message” visible: False

**Req007c :** Label “Username” visible: True

**Req007d :** Textbox “Enter Username” visible: True

**Req007e :** Label “Password” visible: True

**Req007f :** Textbox “Enter Password” visible: True

**Req007g :** Button “Sign In” visible: True

**Req007h :** Button “Clear” visible: True