**FUNCTIONAL AND NON FUNCTIONAL REQUIREMENTS**

## Functional Requirements

## Registration feature consist of different fields with their own constraint checks, which are as follows:

* **Name:** it should contain only characters.
* **Contact**: must only contain numbers.
* **Verification:** valid Passport number
* **Email:** must have email format and must be unique not existing before.
* **Playing field:**
* Team Name:
* **Password:** must have dimension of 9 or longer.
* **Re-Password:** matches Password.
* **Address:** Must be alphanumerical description.
* **Designation:** Must contain designation type in characters.
* **Speciality:** Must contain Speciality in characters.
* **Verification Number:** Must be in numbers

If any above mentioned field excluding Address and Current Address is missing user will be able to register if he follows the constrain check. Else constrain check will display message stating correct it.

## System Feature 2

## LOGIN

## Description and Priority

It takes the highest priority. The first security measure of our system is login. The login feature will allow the user to access its account and its features. Any user without login account won’t be able to use our main features such as appointment.

## Stimulus/Response Sequences

## Click "Login" Button: Account Login

* The system shall allow a registered user to log-in to their account.
* The system shall require a username and password from the user.
* The system will verify the username and password, and the user will be “logged-in”

## Functional Requirements

## Enter his Email ID and Password. Email ID has a constrain restriction on it and only accept email.

## The password constrain is that it must have a dimension of 6 characters.

* If email entered is not a valid email address format system show message invalid email address.
* After providing the above mentioned information user need to press login/Sign In button.
* System processes the information and if email and password matches allow the access to the system feature for the particular user else it shows the message wrong email or password.

## System Feature 3 (LOGOUT)

**Description and Priority**

It takes the highest priority. To safe guard the information and access point of the user. User will be provided with the logout button giving him access to lock its features again until he login again to use them. This will reduce the misuse of the user account without its knowledge.

**Stimulus/Response Sequence**

**Click “Logout” button: Logout**

* The system shall allow registered and logged-in user to logout.
* The system shall take the user to main page after logout.

**Functional Requirements**

* User logout button will be available at every page once a user has logged in.
* Once it is pressed user will automatically logged out of the system.
* Once logged out system will redirect user to the log in page or main page.

## Nonfunctional Requirements

## Performance Requirements

To make an Android App it is very necessary to improve speed, accuracy & performance of android app. Our application survival solely based upon its performance criteria. Which leads to the conclusion, it should be built in a way that it will be operational twenty-four by seven a week and does not crash on peak hour.

## Safety Requirements

* Safe exchange of data and its protection should be secured.
* Safe internal connections.
* Database crash can be occurred due to catastrophic failure.

## Security Requirements

Should satisfy for user and employees need that he uses it effectively.

## Usability Requirements

Should satisfy for user and employees need that he uses it effectively.

## Reliability Requirements

Different users can utilize the system simultaneously. Any user can get to the system with utilizing even a low execution device.

## Maintainability/Supportability Requirements

The system should give the ability to go down to Data and never stuck.

## Portability Requirements

User can sign into the system whenever he wants to.

## Efficiency Requirements

User can login, logout and check there data on one click.

## Domain Requirements

More we are using sql database for android application because client want to make this offline to enter and to see the data and for website we will use firebase database and more over they want this system for their employees to see their task .