SPECIFIC REQUIREMENTS

FUNCTIONAL REQUIREMENTS:

* User Requirement:

The Software has 1 Module User:

1. USER

* **Can create a new personal account with their details including Email and password.**
* **Can login to their personal account using Email and password.**
* **Can change their current password with a new one whenever required.**
* **Can edit/ update their details like profile image, first name, last name, city, country, email, mobile.**
* **Can write or delete posts in his/her profile.**
* **Can view their own profile.**
* **Can search for other users by email or mobile, and after that user can send friend requests to other users.**
* **Can accept or reject the friend request.**
* **Can access his/her friends’ profiles and see their posts.**
* **Can like and dislike his/her friend's posts and write comments.**
* **Can be able to restrict some of his own posts to not be seen by anyone.**
* System requirements

Can create a new personal account with their details including login ID and password.

**user input:** user’s data (profile image, first name, last name, city, country, email, mobile).

**output:** Send email which prompts that your account created successfully and view their ID and password.

**- Situation:** Show error message if the email is not unique. So, user’s account will not be created.

**- Situation:** Show error message if user’s data are not totally filled. So, user’s account will not be created.

**- Situation:** Show error message if user’s data are not totally match their pattern. So, user’s account will not be created.

Can login to their personal account using the ID and password.

**user input:** ID and password.

**output:** Open home page.

Can view their own profile.

**System input:** user ID.

**output:** View profile.

Can change their current password with new one whenever required.

**system input:** user ID. user input: current and new password.

**output:** Show message which prompts that password changed successfully.

**- Situation:** Show error message if the new password is the same of current password. So, data will not be changed.

**- Situation:** Show error message if the new password pattern is wrong. So, data will not be changed.

**- Situation:** Show error message if the current password not matching with their password. So, data will not be changed.

* Can edit/ update their details (like profile image, first name, last name, city, country, email, mobile).

**system input:** user ID. user input: password and new data to change.

**output:** Show message which prompts that [data] updated successfully.

**- Situation:** Show error message if the new data’s pattern not matching the current pattern. So, data will not be changed.

**- Situation:** Show error message if the current password not matching with their password. So, data will not be changed.

Can search about a profile of friend.

**User input:** search key.

**Output:** Show a profile and if he wants a can send him friend request.

**-** **Situation:** Show message which prompts that friend not found.

Can logout.

**Output:** open login page.

NON-FUNCTIONAL REQUIREMENTS:

**LOOK AND FEEL REQUIREMENTS**

**- This system is user friendly.**

**- Approachable, so that people do not hesitate to use it.**

**- Authoritative, so that users feel they can rely on it and trust it.**

**- Attractive to students or some other specific group.**

**- Innovative and appearing to be state of the art.**

**- Cool.**

**USABILITY AND HUMANITY REQUIREMENTS**

**- Centralized maintain all information.**

**- Easy to search the information about Friends.**

**- Facilitate communication between Friends.**

**- Easy to use on the first attempt by someone without training.**

**PERFORMANCE REQUIREMENTS**

**TIME PERFORMANCE:**

**- The web page load time should not exceed 5 second.**

**- Login process should not exceed 1 second.**

**- Any operation that will be done by any system user will not exceed 2 second.**

**MAINTAINABILITY AND SUPPORT REQUIREMENTS**

**- The system is a website. So, it can be opened in any browser.**

**SECURITY REQUIREMENTS**

**- To use the system, it is a must to have an account and be logged in / registered.**

**- The system must distinguish between user profile and friends profile.**

**- Each role has his own functions which can perform. So that, no roles can be overlapped.**

**- Password encryption to enhance privacy and security.**

**- Show fake password in password field while login process instead of the one inputted by user.**

**- There is no way to use fake accounts. As it is required to check email to get the personal login ID.**

**-Authorize the profiles .**

**-non-repeated emails/username .**