Project Requirements

Project Topic: Health Monitoring System

Project Plan provided in separate document.

Audrey Harcum

Blake Green

Brandon Sroufe

Todd Weber

Revision 1.1

CMSC 495 6380

1 September 2020

Group 4

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Revision Number | Date | Description | Name |
| 0 | 8/27/2020 | First draft created from initial Excel document Brandon drafted. | Audrey |
| 1.0 | 8/31/20 20 | UPDATE: Font Times New Roman size 12, Double Spaced. Updated Title page added a Table of Contents. Updated look and feel of graph and spell check. | Audrey |
| 1.1 | 9/1/2020 | UPDATE: Added verbiage to add a Topic section. This will outline the project and briefly summarize the intended outcome of the project. | Audrey |

Table of Contents

Revision History ………………………………………………………………………… 2

1. Topic ….……………….…………………………………………………………….. 4
2. Project Requirements ……………………………………………………………….………. 4
3. **Topic**

The Health Monitoring Project is designed for a user to download the application and maintain health records on their personal platform. The graphical user interface (GUI) allows a user to create a profile, login and logout. Upon successful creation and logins, the user will be brought to a functional GUI where their personal health statistics are presented. The user can maintain and update statistics and goals to monitor their health.

1. **Project Requirements**

|  |  |
| --- | --- |
| Requirement # | Description |
| **Functional Requirements** | |
| 1 | The system shall provide a graphical user interface(GUI). |
| 2 | The system shall provide login page, with login/signup/cancel button and required function |
| 3 | The system shall display the formatted current date (MMDDDYYYY) and time (HH:MM:SS) |
| 4 | The system shall display the username of the user currently signed in. |
| 5 | The system shall provide a means to UPDATE/SAVE GOAL data. |
| **Unique User Account Requirements** | |
| 6 | The system shall support multiple unique users. |
| 7 | The system shall provide a means to LOG\_OUT of the application. |
| 8 | The system shall provide a means to LOGIN to the application. |
| 9 | The system shall provide a means to CREATE\_NEW\_USER. |
| 10 | The system shall notify the user if a duplicate user ID is used with the CREATE\_NEW\_USER function. |
| 11 | The system shall notify the user if the login credentials provided do not match what is saved in the corresponding database. |
| 12 | System will not allow access without valid credentials |
| 13 | The system shall populate all available fields with associated saved GOAL data upon successful login. |
| 14 | The system shall provide a means to DELETE\_USER. |
| 15 | The system shall enforce password requirements. |
| **GOAL Data Requirements** | |
| 16 | The system shall save GOAL data associated with each unique user.  [Commentary: GOAL data consists of:  Gender: (M)(F)  Weight: (pounds)  Height: (inches)  Age: (years)  Activity Level: ( S | L | M | VA | EA )  [Commentary: S = sedentary, L = light, M = moderate, VA = very active, EA = extremely active] |
| 17 | The system shall display GOAL Analysis.  [Commentary: GOAL Analysis displays daily caloric intake required to meet target body weight, based upon user-provided GOAL data.] |
| 18 | The system shall provide a progress chart displaying GOAL Analysis data. |
| 19 | The system shall display Current Stats (height, weight, target GOAL weight). |