**Requirements Document**

Date Submitted: January 29, 2017

Application Title: YMCA Exercise Hours Application

Purpose: This Windows Application calculates total number of hours members have exercised in their lifetime.

Program Procedures: From a window on the screen, users will enter their first name, birth date, and current date. The program will display the user’s name total amount of hours exercised in a lifetime.

Algorithms, Processing, and

Conditions: 1) A picture of the gym will be displayed always.

2) User will enter their name, birthdate, and current date.

3) After entering the information, the user’s name and total amount of hours exercised in a lifetime will appear.

Notes and

Restrictions: 1) The user can clear all fields by tapping or clicking the “clear” button. The user can then enter new information.

2) An exit button should close the program.

Comments: Photo pulled from Google.

**Use Case Definition**

1. Windows application opens
2. The user enters their name, birthday, and current date
3. The user taps or clicks on the “calculate” button
4. The program displays the user’s name along with the amount of hours they have exercised in a lifetime.
5. The user can tap or click the “clear” button to clear all fields and enter new information.
6. The user terminates the program by tapping or clicking the “exit” button

**Event Planning Document**

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| --- | --- | --- | --- | --- | --- |
| **Program Name** | **Developer** | | **Object** | | **Date** |
| YMCA Exercise hours application | Lisa Kilker | | To calculate the amount of hours a person has exercised in their lifetime | | January 29, 2017 |
| **Object** | | **Event Trigger** | | **Event Processing** | |
| btnCalculate | | Tap or Click | | Displays user’s name  Displays amount of hours exercised | |
| btnClear | | Tap or Click | | Clears user’s name  Clears user’s birthday  Clears current date  Sets focus back to user’s name | |
| btnExit | | Tap or Click | | Exits program and closes window | |
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