**“Cyber Fitness” Application**

**CMSC 495 6381**

Created - 20 January 2020

**Group 4 Members:** Brisson, Lesly **|** Ciullo, Stephen| Cochran, Jacob **|** Fahlgren, Travis

**REVISION HISTORY**

|  |  |  |
| --- | --- | --- |
| Revision History Chart | | |
| Date(s) | **Name** | **Revision Description** |
| 20 Jan 2020 | Fahlgren, Travis | Initial creation |
| 20 Jan 2020 | Brisson, Lesly | Document/Format Update(s)/Name Suggestion |
| 20 Jan 2020 | Ciullo, Stephen | Add GitHub link |
| 21 Jan 2020 | Brisson, Lesly | Added 4 Functional Requirements to Doc/Re-Updated Doc |
| 21 Jan 2020 | Cochran, Jacob | Added 2 Functional Requirements and Dev Platform Info |
| 24 Jan 2020 | Brisson, Lesly | Added 2 Functional Requirements, Requirement Specifications/Updated Document Format |
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**PROJECT REQUIREMENTS**

1. **Functional Requirements of the System**

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| --- | --- |
| System Functional Requirements | Unique ID |
| Allows Users to create an username & password | **10001** |
| Password must have 1 Capital Letter, 1 Special character & at least 8 characters long | **10002** |
| Must allow user to add(join) or remove(unjoin) a specific class | **10003** |
| Must display joined class schedules (time & date) to user on login | **10004** |
| Must allow user to add fitness data specific to class | **10005** |
| Must allow user to view fitness history specific to class | **10006** |
| Must allow user to set fitness goal(weight, classes completed, etc.) and track progress | **10007** |
| Must display congrats meeting when fitness goal is met/achieved | **10008** |
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**PROJECT PLAN**

1. **Requirement Specifications: Project Topic**

The project topic is a Fitness Club Application aimed to help users improve overall health by offering various fitness classes and tracking fitness progress over time.

1. **System Specification: Required System to Develop & Run the Project**

Hardware:

Operating System:

Application Software: (please specify versions for all of them) that are required to develop and to run your project.

1. **Project Schedule:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Task(s) | Duration (Days) | Start | End | Personnel |
| 1. Project Requirements  a. Writing  b. Self-Review  c. Revise for submission | 7  4  2  1 | 1/20  1/20  1/24  1/26 | 1/26  1/23  1/25  1/26 | Lesly, Travis  Lesly, Travis, Stephen, Cochran  Lesly, Travis, Stephen, Cochran |
| 2.Project Analysis  d. Analyzing  e. Self-Review  f. Revise document for submission | 7  5  1  1 |  |  |  |
| 3. Project Design |  |  |  |  |
| 4. Project Test Plan and ICD |  |  |  |  |
| 5. Implementation & Testing |  |  |  |  |
| 6. Final Deliveries (Code, Binaries, Test Data and User’s Guide) |  |  |  |  |

**PROJECT PLAN**

1. **Development Platform**
2. Travis: Intel i9-9900K 3.6 GHz, 16 Gigabytes memory, 500 GB SSD, Windows 10, Pycharm 2019.3.1, Python 3.7
3. Lesly: Intel® Core™ i7-8750H CPU @ 2.20GHz, 16GB, 500GB SSD, Windows 10, 64-bit OS
4. Stephen: Windows 10, Python 3.7, a lot of fancy components.
5. Cochran: AMD Ryzen 5 3600, 32 GB Memory, 1 TB SSD, Windows 10, Python 3.7
6. **Operating Platform**

?? Web based? What do you all think?

1. **Software Management**

GitHub Link: https://github.com/chewyfresh/CMSC-495