**PROJECT PLAN**

Revision 1.6

2 November 2014

CMSC 495, Instructor: Dr. Hung Dao

Group 1

Stephen Blackburn, Luis Dall, Tracy Devault

**Revision History**

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| --- | --- | --- | --- |
| **Date** | **Revision** | **Description** | **Personnel** |
| 10/25/2014 | 1.0 | Initial Document | Stephen |
| 10/26/2014 | 1.1 | Edits | Luis |
| 10/27/2014 | 1.2 | Standardized Title Page, added Revision History | Stephen |
| 10/27/2014 | 1.3 | Minor edit, Standardized Revision Table | Luis |
| 10/28/2014 | 1.4 | Minor edits to text and revision table | Tracy |
| 10/28/2014 | 1.5 | Font adjustment and changed Requirement Specs to match PR. | Stephen |
| 11/11/2014 | 1.6 | Final Edits and changes based off of professor feedback and peer review. | All |

**TEAM 1 – PROJECT PLAN**

**1. Requirement Specifications**

The application (app), **P**ersonal **R**ecord **R**ecorder or, is designed to record a CrossFit athletes best performances.

**2. System Specification**

a. Development Platform:

1. Software – All software will be developed on systems running currently supported versions of Microsoft, Apple or Ubuntu operating systems using the NetBeans IDE (Integrated development environment) 8.0.1 and Java SE Development Kit (SDK) 8u25.

2. Hardware – The hardware development system requirements are based on the recommended hardware configuration requirements of the SDK and IDE. Development will occur on systems with the following minimum requirements.



Table 1: Development Platform Minimum Requirements

b. Operating Platform: Users will be able to deploy the application in any of the currently supported operating systems that supports Java 8. The table below the minimum requirements for those operating systems. The free disk space was calculated based on the 124MBs necessary to install Java 8.



Table 2: Operating Platform Minimum Requirements

**3. Software Management:** The software will be developed using the Waterfall technique. Once the software analysis and design phases are complete, each team members will independently develop source code to implement the project. Each team member’s product will be analyzed by the group for functionality, reliability, efficiency, security and maintainability. The best elements of each product will be combined into the project’s Beta version. The Beta version will be tested and improved and the resulting product will be the Alpha version that will be formally tested. This Alpha version will be the basis for all formal documentation.

The team has established a GitHub account (Team-1-CMSC-495) for the project. This will be used to manage the changes that team members make to the Beta and Alpha versions of the software.

**4. Project Schedule**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task** | **Duration  (Days)** | **Start Date** | **End Date** | **Personnel** |
| Project Analysis | 21 | 20-Oct-14 | 09-Nov-14 | All |
| Team Organization Meeting (Skype) | 1 | 22-Oct-14 | 22-Oct-14 | All |
| Team PR/PP Planning Meeting (Skype) | 1 | 26-Oct-14 | 26-Oct-14 | All |
| Develop Project Requirements (PR) | 4 | 26-Oct-14 | 29-Oct-14 | Luis Dall &Tracy Devault |
| Develop Project Plan (PP) | 4 | 26-Oct-14 | 29-Oct-14 | Stephen Blackburn |
| Review/Edit PR/PP | 4 | 29-Oct-14 | 01-Nov-14 | All |
| Team PR/PP Review/Edit Meeting (Skype) | 1 | 29-Oct-14 | 29-Oct-14 | All |
| Submit Final PR and PP for Peer Review | 1 | 02-Nov-14 | 02-Nov-14 | Stephen Blackburn |
| Develop Project Analysis (PA) | 4 | 02-Nov-14 | 05-Nov-14 | All |
| Team PA Planning Meeting (Skype) | 1 | 02-Nov-14 | 02-Nov-14 | All |
| Review/Edit Project Analysis | 4 | 05-Nov-14 | 08-Nov-14 | All |
| Team PA Review/Edit Meeting (Skype) | 1 | 05-Nov-14 | 05-Nov-14 | All |
| Submit Final Project Analysis for Peer Review | 1 | 09-Nov-14 | 09-Nov-14 | Tracy Devault |
| Project Design | 15 | 09-Nov-14 | 23-Nov-14 | All |
| Develop Project Design (PD) Document | 4 | 09-Nov-14 | 12-Nov-14 | All |
| Team PD Planning Meeting (Skype) | 1 | 09-Nov-14 | 09-Nov-14 | All |
| Review/Edit Project Design | 4 | 12-Nov-14 | 15-Nov-14 | All |
| Team PD Review/Edit Meeting | 1 | 12-Nov-14 | 12-Nov-14 | All |
| Submit Final PD for Peer Review | 1 | 16-Nov-14 | 16-Nov-14 | Luis Dall |
| Develop Test Plan (TP) | 8 | 16-Nov-14 | 23-Nov-14 | Luis Dall |
| Develop Interface Control Document (ICD) | 8 | 16-Nov-14 | 23-Nov-14 | Tracy Devault & Stephen Blackburn |
| Team TP/ICD Planning Meeting (Skype) | 1 | 16-Nov-14 | 16-Nov-14 | All |
| Review/Edit TP/ICD | 4 | 19-Nov-14 | 22-Nov-14 | All |
| Team TP/ICD Review/Edit Meeting (Skype) | 1 | 19-Nov-14 | 19-Nov-14 | All |
| Submit Final TP and ICD for Peer Review | 1 | 23-Nov-14 | 23-Nov-14 | Stephen Blackburn |
| Implementation | 11 | 23-Nov-14 | 03-Dec-14 | All |
| Team Implementation Planning Meeting (Skype) | 1 | 23-Nov-14 | 23-Nov-14 | All |
| Develop Code (Sprint 1) | 8 | 23-Nov-14 | 30-Nov-14 | All |
| Develop Main Menu Module | 1 | 23 Nov 14 | 24 Nov 14 | All |
| Develop Lift Module | 1 | 24 Nov 14 | 25 Nov 14 | All |
| Develop WOD Module | 1 | 25 Nov 14 | 26 Nov 14 | All |
| Review Code To Establish Final Beta (Skype/TeamViewer) | 1 | 30-Nov-14 | 30-Nov-14 | All |
| Code Final Alpha (Sprint 2) | 4 | 30-Nov-14 | 03-Dec-14 | All |
| Develop and write User Guide | 4 | 30-Nov-14 | 03-Dec-14 | All |
| Implement & Document Alpha Testing Using Test Plan | 5 | 03-Dec-14 | 07-Dec-14 | All |
| Validate Main Module | 1 | 3 Dec 14 | 4 Dec 14 | All |
| Validate Lift Module | 1 | 4 Dec 14 | 5 Dec 14 | All |
| Validate WOD Module | 1 | 5 Dec 14 | 6 Dec 14 | All |
| Develop Final Deliverables | 8 | 07-Dec-14 | 14-Dec-14 | All |
| Team Deliverables Planning Meeting (Skype) | 1 | 07-Dec-14 | 07-Dec-14 | All |
| Team Review Deliverables Meeting (Skype) | 1 | 10-Dec-14 | 10-Dec-14 | All |
| Submit Final Deliverables | 1 | 14-Dec-14 | 14-Dec-14 | Luis Dall |

Table 3: Project Schedule