TO: *David G. Green, EE-433 Professor*

FROM: Team 2: *Jeremy Box, Ronald Fairley, Lee Adlaf, Kuni Scissum*

DATE: *November 12, 2013*

SUBJECT: *Progress Report 1 – Team 2: Collection$*

Summary

The Collection$ project is an Android-based application for collectors and hobbyists that want to create and maintain multiple collections. This application will have three main features: 1) construction/maintenance of personal collections, 2) object identification, and 3) collection based networking with other users. The Collection$ application will be thoroughly planned and documented. Milestones and tasks are set as described by this report in order to facilitate designing and enhance productivity.

# Project Status

Team 2 is currently up to date with Task list and Milestones for the Collection$ software project. The P3 assignment has been submitted and Tasks TA-17 through TA-20 (Table 1) have been completed. These tasks included:

* Updated documentation based on the P3 presentation feedback:
  + Program Architecture
  + UML Diagrams
* Updated Lucid Chart GUI and program flow mindmap based on the P3 presentation feedback:
* Installed and written small programs within the Android Development Toolkit (ADT). Ensured these programs could be run from an Android-enabled smartphone. This is training for future development with the ADT.
* Developed lists of probable classes and methods needed.
* Laid out tasks for the remainder of the project (P4). Considered time involved in various sections of the program and assigned specific group members (Tasks - Table 1).

Using the updated architecture and UML diagrams, Team 2 can now begin developing in earnest. Upcoming Tasks (Table 1) include creating a basic runnable GUI, creating pseudo code for classes and methods, and writing tests to assist with further development.

# Task Lists and Milestones

Each of the tasks in Table 1 was updated to reflect current progress.

Table 1. Task list and guidelines to complete project.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Serial Number** | **Description** | **Completion Date** | **Assigned to:** | **Priority** | **Status** |
| TA-01 | Document Group Meetings | Continuous | All | Important | Ongoing |
| TA-02 | Maintain Status Report for Project | Continuous | All | Nominal | Ongoing |
| TA-03  *(complete)* | Submit P3 Development Plan and Status Report | 10/15/2013 | All | Important | Complete |
| TA-04  *(complete)* | Revise Vision and Scope Document | 10/22/2013 | Jeremy | Important | Complete |
| TA-05  *(complete)* | Revise Inception Deck | 10/22/2013 | Lee | Important | Complete |
| TA-06  *(complete)* | P3 Progress Report 1 | 10/22/2013 | Ron | Important | Complete |
| TA-07  *(complete)* | Design Architecture | 10/31/2013 | All | Critical | Complete |
| TA-08  *(complete)* | Revise SRS Document for release 1 | 10/31/2013 | Kuni | Critical | Complete |
| TA-09  *(complete)* | Acceptance of Vision and Scope | 10/31/2013 | All | Important | Complete |
| TA-10  *(complete)* | Acceptance of Inception Deck | 10/31/2013 | All | Important | Complete |
| TA-11  *(complete)* | Development Plan for P4 | 10/31/2013 | All | Important | Complete |
| TA-12  *(complete)* | Research Android OS | Continuous | Kuni | Important | On Schedule |
| TA-13  *(complete)* | Research MySQL | Continuous | Lee | Important | On Schedule |
| TA-14  *(complete)* | Research Amazon Turk | Continuous | Ron | Important | On Schedule |
| TA-15  *(complete)* | Research TomCat | Continuous | Jeremy | Important | On Schedule |
| TA-16  *(complete)* | Create Draft Presentation | 10/29/2013 | All | Critical | Complete |
| TA-17  *(complete)* | Update UML Documentation | 11/11/2013 | Kuni & Jeremy | Important | Complete |
| TA-18  *(complete)* | Update Lucid Chart GUI | 11/11/2013 | Lee | Important | Complete |
| TA-19  *(complete)* | Install, explore the Android Development Toolkit (ADT) | 11/02/2013 | All | Important | Complete |
| TA-20  *(complete)* | Prepare Progress Report 1 | 11/12/2013 | Lee | Critical | Complete |
| TA-21 | Create Basic Test GUI (format, etc) | 11/18/2013 | Lee & Jeremy | Important | On Schedule |
| TA-22 | Write / develop tests for code (android & server side) | 11/20/2013 | All | Critical | Ongoing |
| TA-23 | Create Pseudo code for Classes and Methods Testing | 11/18/2013 | Kuni & Jeremy | Important | On Schedule |
| TA-24 | Prepare Progress Report 2 | 11/21/2013 | Ron | Critical | On Schedule |
| TA-25 | Set up Tomcat and successfully test a database | 11/26/2013 | Ron & Kuni | Important | On Schedule |
| TA-26 | Add Classes / Methods code to GUI Framework | 11/26/2013 | Lee & Jeremy | Important | On Schedule |
| TA-27 | Establish communication between server / android app | 11/28/2013 | Ron & Kuni | Important | On Schedule |
| TA-28 | Basic Program functionality (login, view pages, view static information from server) | 12/01/2013 | All | Critical | On Schedule |
| TA-29 | Prepare Progress Report 3 | 12/03/2013 | Jeremy | Critical | On Schedule |
| TA-30 | More Program Functionality (edit fields, add photos, add users, update database) | 12/06/2013 | All | Important | On Schedule |
| TA-31 | Advanced Functionality (links to web, networking, research) | 12/8/2013 | All | Important | On Schedule |
| TA-32 | Final Drafts of all Documents | 12/09/2013 | Kuni | Important | On Schedule |
| TA-33 | Prepare Final Package | 12/10/2013 | Lee & Kuni | Critical | On Schedule |
| TA-34 | Prepare Final Presentation | 12/10/2013 | Ron & Jeremy | Critical | On Schedule |

Table 2. Project Milestones.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Milestone**  **Number** | **Milestone** | **Completion Date** | **Assigned to:** | **Priority** |
| **M1**  *(complete)* | Inception Deck presentation. | 10/8/2013 | Group | Nominal |
| **M2**  *(complete)* | P3 Development Plan and Status Report | 10/15/2013 | Group | Nominal |
| **M3**  *(complete)* | P3 Progress Report 1 | 10/22/2013 | Group | Important |
| **M4**  *(complete)* | P3 Submission | 10/31/2013 | Kuni | Important |
| **M5**  *(complete)* | P3 Presentation | 10/31/2013 | Group | Critical |
| **M6**  *(complete)* | P4 Status Report 1 | 11/12/2013 | Group | Important |
| **M7** | P4 Status Report 2 | 11/21/2013 | Group | Important |
| **M8** | P4 Status Report 3 | 12/03/2013 | Group | Important |
| **M9** | P4 Submission | 12/12/2013 | Group | Critical |

# Risk Analysis

Each of the risks associated with the project were re-evaluated. Each of these items was re-arranged to reflect the risks that the group perceived to have higher consequences.

**Risk Analysis:**

* R01: The project is inadequately completed because minimal progress is made until the deadline is close.
* Fix01 – Create tasks with deadlines in order to pace the completion of the project’s key aspects.
* R02: The scope of the project is too large to complete on time.
* Fix01 – Organize the project scope in several releases and attempt to complete a working release of the project before deadline.
* R03: Machine Identification fails to work.
* Fix01 – Establish Amazon Turk as the primary method
* Fix02
* R04: Collectors don’t find it effective.
* Fix01 – Use tools such as Amazon Turk to increase effectiveness. Respond to customer feedback between software revision releases.
* R05: Inability to drive out bugs.
* Fix01 – Perform early product testing by developers and solicit outside testing from focus study group.
* R06: Properly identify 2D and 3D objects.
* Fix01 – Allow feedback from collectors to verify errors in identification
* R07: New platform for developers (Android).
* Fix01 – All team members begin experimenting with software development early.