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

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

DATE: *November 21, 2013*

SUBJECT: *Progress Report 2 – 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

Tasks TA-21 through TA-24 (Table 1), which are targeted for completion by this second P4 update, are marked complete or ongoing as appropriate. The ongoing tasks have been started, but will continue to be improved as defined by the description of the tasks.

* Programming started to make android GUI match what was shown in the initial project presentation using Lucid Chart.
* Java coding started for back end of GUI interface on android app.
* Initial test cases created for accessing database through login, creating a collection, and adding an item to a collection.

GitHub has been established as the team repository, and is currently being used for updates and document sharing. Progress will continue for the ongoing tasks with an emphasis on the new task assignments in order to ensure we stay on track to complete the project milestones.

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 | Ongoing |
| 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 | Ongoing |
| TA-24 | Prepare Progress Report 2 | 11/21/2013 | Ron | Critical | Complete |
| 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.