**Bo Fang’s Angels**

**Phase 2**

Summary

We’ve created a splash screen for the project and made significant progress on our Login activity and Registration activity. The login activity has two text fields, a username field and a password field. Also, there is a submit button that connects to a server when the button is clicked. The server is a separate program from our android client and holds the application’s user profiles and login information. When the user tries to login from the android client, the server checks over a list of usernames and passwords and determines if there’s a match. If there’s a match, the user is directed to another activity and if not, the user remains on the login activity.

The original plan states that we would finish priorities 1 and 2 by October 21st. We completed priority 1 and are currently following our release plan. As we made progress on the project, we realized we underestimated the time it would take to complete priority 2. As a measure to take against this, we decided to break down priority 2 into two parts. We had to make this change because priority 1 took longer than expected. We were unsure of how we would implement a server to make the application have online functionality.

As we’re getting familiar with android development, we’re realizing how long features will take. As a result, we primarily had to build on our release plan from the previous phase.

Iteration Plan

(Task Prioritization, Estimates, User Story Breakdowns)

***Legend***

**1 – Most Priority**

**2**

**3**

**4 – Least Priority**

**Completed Tasks**

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**(1)** As John (professor), I want to be able to register on the system, so that I can have access to the application. (**2 weeks**)

- Create a database of users

- Implement a way to hash their user information

- Store all user information

- Create a login page

Completed on October 20th 2013

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**Tasks for Next Iteration Plan**

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**(2)** As Jim, (teaching assistant), I want to be able to see a list of the students registered in my tutorial, so that I have an easy way to distribute marks.  
(**1 week**)

- Create a button that will access the student list

- Create a way to store the student list

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**(2)** As Jan, (teaching assistant), I want to be able to enter grades for the students enrolled in my tutorial section, so that the grades are recorded for the professor. (**1 week**)

- Create an editable table

- Store the table

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**(2)** As Jay, (teaching assistant), I want to have a way to email grade files to the instructor automatically after I input the grades, so that I’ll never forget.   
(**1.5 weeks**)

- Store instructor’s email based on course

- Send email to the instructor

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**(2)** As Mary (professor), I want to be able to add teaching assistants to the application according to the courses that they teach, so that they have access to the functionality of the application.  
(**2.5 weeks**)

- Add teaching assistants to the database of users

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**(2)** As May (professor), I want a system that records the students’ information, so that I can access it throughout the semester (**2 weeks**)

- Create a database for student grades

- Store the information

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**Remaining Tasks to be Completed**

**(4)** As Bob (teaching assistant), I want to have an application that issues reminders of upcoming tutorials that I have to teach so that I won’t forget my tutorials. (**2 weeks**)

- Implement a way to create an android notification

**(3)** As Bill, (teaching assistant), I want to have a system that displays a lesson plan, so that I can look at the plan on the go. (**1 week**)

- Create a button that will access the lesson plan

- Create a way to store a lesson plan

**(3)** As Mary (professor), I want to be able to provide lesson plans for the teaching assistants, so that they have tutorial instructions with them at all times. (**2 weeks**)

- Implement a way to create and save a text file.

- Implement a way to share the text file to specific users

**(4)** As Mary (professor), I want the teaching assistants to only input marks once, so that they are unable to remark without my consent.  
(**1 week**)

- Implement a way to create a lock with a password after one submission of grades.

- Implement a way to store the password

**(3)** As Mary (professor), I want to be able to alter marks, so that errors within the grading are fixed accordingly. (**1 week**)

- Implement a way to verify a password

- After verification, allow editing

- Implement a way to match login credentials with the hashed user information in the database

**(3)** As Jerry (professor), I want to be able to add marking scheme to my tutorial section, so that the teaching assistants know how to mark the assignments.  
(**2 weeks**)

- Implement a way to import documents into the application

- Implement a way to add the document to a specific tutorial

CRC Model

|  |  |
| --- | --- |
| User - abstract | |
| Username  Password  Login  Email  createLessonPlan  Course[] | LessonPlan  Course |

|  |  |
| --- | --- |
| Teaching Assistant  User | |
| emailProfessor  showNotifications  addGrade | Notification  Course  Assignment |

|  |  |
| --- | --- |
| Professor  User | |
| registerTA  editMarks  createCourse  addClassList | Course |

|  |  |
| --- | --- |
| Course | |
| courseCode  createTutorial  tutorialSections  LessonPlan[] | Tutorial  LessonPlan |

|  |  |
| --- | --- |
| Tutorial | |
| sectionNumber  Student[]  Time  Location | Student |

|  |  |
| --- | --- |
| Student | |
| Utorid  studentNumber  name  Assignment[] | Assignment |

|  |  |
| --- | --- |
| Assignment | |
| assignmentName  grade |  |

|  |  |
| --- | --- |
| LessonPlan | |
| Title  Content  Date |  |

|  |  |
| --- | --- |
| Notification | |
| Date  Message |  |