**Bo Fang’s Angels**

**Phase 3**

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.

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Phase 3: Firstly, we added the ability for Professors to log in and have a different welcome page from the TA. We created the interface for the TA once they log in. They are greeted by a Welcome activity which identifies the TA that logs in and gives them access to two buttons. The Welcome activity has one button to view the courses and one button for the TA to change their password. When the TA clicks courses, a DisplayCourses activity is opened which shows a list of courses the TA teaches. When the TA selects a course, it brings the user to another activity to display the tutorial sections the TA teaches. Once a tutorial section is chosen, the TA is brought to a Tutorial Manager activity. The tutorial manager allows the TA to check the student list, display lesson plans and create lesson plans.

We have also implemented notifications and a way to add marks for students. Additionally, professors are able to register TAs. We have the code for these different features, but we still have to integrate them to the main android project. Therefore for the next phase, the majority of work will be integrating the different features that we have made up.

We have added testing for all User Information classes and for the next phase, we are planning on adding more testing outside of User Information. Overall, the project is well on track to finishing by the due date and we are pleased with our progress.

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

**(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

­Completed Oct 30

**(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

Completed Nov 1

**(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

Completed Nov 4

**(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

Completed Nov 3

**(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

Completed Nov 4

**(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

Completed Nov 5

**Tasks for Next Iteration Plan**

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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

**(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