

CS307 – Sprint1 Planning Document

Purdue Course Assistant

Team Members:

Chen Fang

Zhengshang Liu

Ransen Niu

Jiaping Qi

Ziqi Wang

Hao Xu

Sprint Overview

Goals:

We will implement most user interfaces and two classes in Sprint 1. The user interfaces are Welcome page, Login page, Registration page, Home page, Find Password page, User Profile page and Modify Profile page. The two classes are User class and Course class.

On the other hand, our server will be able to handle some basic operations at the end of the first sprint. First of all, be able to set up a TCP connection. After that, server will connect to database and complete the functions that store and extract all information.

We plan to meet at lecture time every Tuesday and Thursday. We will also hold a regular meeting every weekend and the time is vary depending on our members' schedule. During the meetings, we will discuss each member's progress, address and solve technical questions.

Scrum leader:

Zhengshang Liu

Challenges for this sprint:

- Due to little experience on IOS programming, it would take some time to learn Objective- C or Swift. Some UI development may take more time. So in the Sprint 1, we will not set any message from user to server but we would finish all of fundamental UI connection.
- Since most user interfaces are going to be accomplished in Sprint 1, each team members would create at least one user interface, which may induce that the layout of user interfaces is not consistent and the connection between them could not be achieved perfectly. For this challenge, we would specify the details as much as possible in advance and review the user interfaces afterwards.

Current Sprint Detail

Functional:

As a user, I would like to create an account	Estimate Time	Owner
Create UI for register page	10	Ziqi Wang
Implement the action to send the information	6	Ziqi Wang
Link the current page to another related page	8	Ziqi Wang

As a user, I would like to login and manage my account	Estimate Time	Owner
Create UI for welcome page and login page, which store user inputs locally	10	Hao Xu
Create User class which receives user and initialize instance accordingly	9	Hao Xu
Verify username, password format	6	Hao Xu

As a user, I would like to change the password	Estimate Time	Owner
Create UI for find password page, which stores user inputs locally	10	Jiaping Qi
Implement the action when user press submit	7	Jiaping Qi
Verify email format which is used to clarify the user	6	Ziqi Wang

As a user, I would like to view any information I added to my profile.	Estimate Time	Owner
Create User profile page which receives and display user information	10	Jiaping Qi
Link the current page to another related page	6	Zhengshang Liu

As a user, I would like to have my own profile page.	Estimate Time	Owner
User instance holds user's information.as well as set and get functions	6	Zhengshang Liu
User has authorization to modify his information	6	Zhengshang Liu

As a user, I would like to be able to add the courses to my profile that I have taken before	Estimate Time	Owner
Create UI for holding the display of the modified profile page	10	Zhengshang Liu
User has authorization to modify his information	6	Chen Fang

As a user, I would like to check the official information of undergraduate courses	Estimate Time	Owner
Create UI for Course View Page	10	Ransen Niu
Link to course information page another related page	6	Ransen Niu

As a user, I would like to view courses in categories of departments	Estimate Time	Owner
Create UI for Course View Page	10	Ransen Niu
Implement the actions to submit or back	6	Ransen Niu

As a user, I would like to view some frequently asked questions.	Estimate Time	Owner
Implement the pop-over window for the FAQ text	10	Chen Fang

As a user, I would like to rate each course. As a user, I would like to write comments for each courses. As a user, I would like to tag each course with specific characteristics.	Estimate Time	Owner
Create UI for feedback page	6	Jiaping Qi
Read all input from user	4	Hao Xu
Read all input from user	4	Hao Xu

As a user, I would like to see the rating and comment of each course As a user, I would like to see all the tags of each course	Estimate Time	Owner
Create UI for course information page	10	Chen Fang
Link the current page to another related page	6	Chen Fang
Implement the actions to submit or get back	4	Zhengshang Liu

Non-Functional:

We must be able to run this app on an Apple device.	Estimate Time	Owner
Write UI in Objective-C or Swift and build up IOS project	-	All Members

As a user, I would like to have a simple and clean UI so that I can understand how to use it easily.	Estimate Time	Owner
Create simple and clean UI	-	All Members

As a user, I would like to protect my personal information(such as courses taken in the past, courses preference in the future, etc.)	Estimate Time	Owner
Ensure the encapsulation while implementing functions	-	All Members

Hours per person:

Chen Fang: 32

Zhengshang Liu: 32

Ransen Niu: 32

Jiaping Qi: 33

Ziqi Wang: 30

Hao Xu: 33

Total estimate hours: 192

Remaining Backlog

Functional:

- As a user, I would like to find my password or username back if I forget them in a secure manner.
- As a user, I would like to have an organized user interface.
- As a user, I would like to be able to change the background.
- As a user, I would like to check the official information of professors.
- As a user, I would like to view all professors information who have taught a course before.
- As a user, I would like to get recommendation courses based on courses history and interest.
- As a user, I would like to view courses related to a tag.
- As a user, I would like to take a pre-test for each courses and get feedback.
- As a user, I would like to receive E-mail notifications.
- As a user, I would like to view the capacity of a course. (If time allows)
- As a developer, I would like to manage user's account.
- As a developer, I would like to delete user's account.
- As a developer, I would like to reset user's password if user has request.
- As a developer, I would like to collect the rating for each courses from user.
- As a developer, I would like to organize the comments and tags.
- As a developer, I would like to grade the user's pre-test.
- As a developer, I would like to set different default language. (If time allows)

Non-functional:

- Be able to connect with MyPurdue System.(If time allows)
- As a developer, I would like to have a readable API.
- As a developer, I would like it to be easy to read the source code.
- Be able to connect with professor's homepage and course wiki..
- As a user, I would like to get course information in a short time after sending the request.
- As a user, I would like to edit the UI as my preference.
- The server must be able to handle 50 requests at the same time.