CS307 – Sprint3 Planning Document

Purdue Course Assistant

Team Members:

Chen Fang

Zhengshang Liu

Ransen Niu

Jiaping Qi

Ziqi Wang

Hao Xu

Sprint Overview

Goals:

Last sprint we implemented the server in C++ to manage the requests and the information, connect it to the user interfaces and implement a database which contains all the required functionalities. In this sprint, we are going to optimize the program. We will upgrade the user interface to make it more attractive. We will strengthen the privacy of our database. In our database, user's private information will be encrypted. Also, we will add more course information and pretests to enlarge the course database.

Scrum leader:

Zhengshang Liu

Meeting Schedule:

We plan to meet at lecture time (3:00pm – 4:15pm) 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

Challenges for this sprint:

All of us in the final period have too much work to do and need to review for the final exam. We may have less time to focus on our project. However, the workload is not deducted in sprint 3 at all, such as we need to enlarge the course lists with useful course descriptions and make pretest for each course. Thus in sprint 3, we need to improve our efficiency and accuracy in order to finish the program in time.

Current Sprint Detail

Functional:

As a user, I would like to check the official information of professors.	Estimate Time	Owner
Save the professor's information for each course in our database	7	All member
Add professor information in course description field	4	All member

As a developer, I would like to keep users' password encrypted in database	Estimate Time	Owner
Create function in server to encrypt users' password and store into the database	14	Zhengshang Liu Cheng Fang
Create a function to fetch and decrypt password from database	13	Hao Xu Ransen Niu

As a user, I would like to receive E-mail notifications.	Estimate Time	Owner
Create a function to detect changes to users' password	10	Jiaping Qi
Link to Unix system command to notify user any new changes to password	14	Ziqi Wang

Non-Functional:

As a developer, I would like to have a readable API.	Estimate Time	Owner
Write clear header files with comments for the further developmemt	3	All member
Upgreade the user interface	3	All member

As a user, I would like to be able to change the background. As a user, I would like to edit the UI as my preference	Estimate Time	Owner
Create a function to change background in user interface	7	All member

* For every new function, we include the testing time which is equal to the developing time.

Hours per person:

    Chen Fang: 38

    Zhengshang Liu: 38

    Ransen Niu: 37

    Jiaping Qi: 34

    Ziqi Wang: 38

    Hao Xu: 37

Total estimate hours: 222