

# **CS307 – Sprint3 Retrospective**

## **Purdue Course Assistant**

### **Team Members:**

Chen Fang

Zhengshang Liu

Ransen Niu

Jiaping Qi

Ziqi Wang

Hao Xu

## **What went well?**

### **Overall:**

We fixed several bugs in the client server communication, we optimized the program. We upgraded the user interface to make it more attractive. We strengthened the privacy of our database. In our database, user's private information is now encrypted. Also, we added course information and pretests for all Computer Science courses.

**Detail:**

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

**Complete:** The database has been added professor's homepage into the course description.

<b>As a developer, I would like to keep users' password encrypted in database</b>	<b>EstimateTime</b>	<b>Owner</b>
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

**Completed:** The functions to encrypt and decrypt password can be found in the database.

<b>As a user, I would like to receive E-mail notifications.</b>	<b>EstimateTime</b>	<b>Owner</b>
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

**Completed:** The user would receive an email notification when he requests for password change.

<b>As a developer, I would like to have a readable API and a neatly interface.</b>	<b>Estimated Time</b>	<b>Owner</b>
Write clear header files with comments for the further developmemt	3	All member
Upgreade the user interface	3	All member

**Completed:** The ui has been improved. Proper comments have been added to header files and source files.

## What didn't go well?

### Detail:

<b>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.</b>	<b>Estimate Time</b>	<b>Owner</b>
Create a function to change background in user interface	7	All member

**Partly completed:** We don't think our program needs too many fancy pictures and colors so we just made the layout more readable and clean.

## **How should you improve?**

In sprint 3, we found out that we underestimated the workload and difficulty of improving the user interface to be friendly and attractive, we should pay more attention on user interface designing in the future projects.