

Sprint 1 Planning Document

Team 1

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Sprint Overview:

For our first sprint, we are going to focus on building the basic functionality of our application. By the end of the sprint 1, a user will be able to signup an account, login and logout. A user can reset password if he / she forgets the password. Furthermore, the user can update his / her personal profile by adding hobbies, education info, birthday. The user can also change his / her profile picture. Besides the basic profile functionality, we will also start to implement our first module: class registration suggestion. In this module, the user will be able to search a class by selecting the class name and professor name.

Scrum Master: Weijie Meng

Meeting Schedule: Tuesday, Friday at 7:00pm

Risk/Challenges:

The challenge is while our time is limited and we need to learn many new things in a short period. Some of our team members are not yet familiar with languages and frameworks we plan to use such as JavaScript, Bootstrap, MySQL, Heroku and Node.js. Also we need to come up with a well-designed main page so that the users will have a good first impression of our application. Besides this, some team members don't have much teamwork experience so we need to spend more time on communication before each member begins to cooperate.

Current Sprint Detail

User Story #1

As a user, I would like to sign up an account.

#	Task Description	Workload Estimation	Owner
1.	Implement the signup templating on web client	5 hrs	Yang
2.	Implement ability to enter username, email and password on web client	5 hrs	Guocheng
3.	Implement ability to submit signup request	4 hrs	Yang
4.	Set up the web client and routes	6 hrs	Weijie
5.	Set up back end server	6 hrs	Mengxue
6.	Set up database	7 hrs	Weijie
7.	Implement ability to check if the user exists in the database	5 hrs	Qian
8.	Implement the functionality for password strength check on web client	5 hrs	Xiaohua
9.	Implement ability to save username and password pair on backend	6 hrs	Mengxue
10.	Implement ability to display sign up successful message to users	4 hrs	Qian

Acceptance Criteria:

- Given that a user is currently on the homepage, when he or she clicks the sign up button, then the page should be directed to the signup page.
- Given that a user enters a non existing username and email, when he or she clicks the sign up button, then a successful message should be displayed and user account should be created in the database.
- Given that a user is currently on the signup page, when he or she enters a weak password like 112233 and submits, then a warning message would display.

User Story #2

As a user, I would like to edit personal info in my profile.

#	Task Description	Workload Estimation	Owner
1.	Set up the profile management page	5 hrs	Yang
2.	Implement ability to access personal profile	5 hr	Yang
3.	Implement ability to submit changes on web client	6 hrs	Guocheng
4.	Implement ability to enter hobby, education info(major), birthday in the profile.	4 hrs	Xiaohua
5.	Set up the web client and routes	5 hrs	Weijie
6.	Implement ability to save changes in the database	5 hrs	Mengxue
7.	Implement functionality to check if birthday is valid on front end.	5 hrs	Yang

Acceptance Criteria:

- Given that the backend to create users is created successfully, when a user clicks the edit profile button, then the page should be directed to the edit profile page.
- Given that a user is currently on the edit profile page, when a user clicks the edit button then he or she should be able to change hobby, education and birthday info.
- Given that the related profile info has been changed, when a user clicks the submit button, the the changes should be saved in the database and a successful message should be displayed.

User Story #3

As a user, I would like to reset my password if necessary

#	Task Description	Workload Estimation	Owner
1.	Implement a reset password page.	4 hrs	Yang
2.	Implement ability to submit forgot password request by entering user email	5 hrs	Qian
3.	Implement ability to check if the account email exists in the database on backend	6 hrs	Weijie
4.	Implement ability to generate a verification code on back end	5 hrs	Mengxue
5.	Set up mailer to send user an email with a verification code.	4 hrs	Mengxue
6.	Implement functionality to check the new password strength.(New password should not be identical to original one)	6 hrs	Guocheng
7.	Implement functionality to update user's new confirmed password in database	5 hrs	Xiaohua

Acceptance Criteria:

- Given that the forget-password functionality has been correctly implemented, when a user clicks the reset password button and enters his or her account email, then he or she should receive an email with a verification code.
- Given that the user has received the verification code, when the user enters the verification code, then he or she should be able to enter a new password.
- Given that the user has filled up the password reset form, when the user clicks the submit button, then the new password should be updated in the database and a successful message should be displayed.

User Story #4

As a user, I would like to know general information about the class.

#	Task Description	Workload Estimation	Owner
1.	Implement ability to store associated information of the class in backend database	6 hrs	Weijie
2.	Implement functionality for rendering the course information on the web client	4 hrs	Yang
3.	Implement ability to send user request to the server asking for course information	4 hrs	Guocheng

Acceptance Criteria:

- Given that the search-class functionality and the class-information page have both been successfully implemented, when a user search a class name or number, then the drop-down list of classes will show up.
- Given that the drop-down list has successfully showed up, when the user clicks on one of the classes, then a general information of this class will appear in the middle-right of the dashboard
- Given that the general information page has showed up, when the user wants to go back to search another class and clicks on the go-back button, then the middle-right of the dashboard will change back to the search-page.

User Story #5

As a user, I would like to set my personal information to be public or private.

#	Task Description	Workload Estimation	Owner
1.	Implement functionality for setting visibility of user's profile on back end	4 hrs	Guocheng
2.	Implement ability to view and update profile privacy setting on web client	4 hrs	Qian

Acceptance Criteria:

- Given that the user's profile visibility setup functionality has been implemented correctly, when a user inits visibility of his or her profile as public, every other user can have access to the user's profile.
- Given that a user has set his profile visibility, a user can edit profile visibility of in his or her profile.
- Given that a user has set his or her profile visibility as public, when a user modifies the visibility to be private, only the user's friends can have access to the user's profile.

User Story #6

As a user, I would like to search a class taught by a specific professor.

#	Task Description	Workload Estimation	Owner
1.	Implement search window templating on web client	5 hrs	Xiaohua
2.	Implement ability to search a class or select a class	4 hrs	Guocheng
3.	Implement a drop list of a selected class to choose a professor	4 hrs	Qian

Acceptance Criteria:

- Given that the class-searching functionality has been implemented successfully, when a user clicks the search button in the search bar, then the class list will drop down to let the user to choose one of the classes.
- Given that the professor-searching functionality has been implemented successfully, when a user selects a class, then the professor list will drop down to let the user to choose one of the professors.
- Given that a user has chosen the class and professor, when the user clicks the 'View Rating' button, then the user will be redirected to a new simple page indicating that the user has chosen an existing class.

Remaining Backlog:

Functional Requirements:

Profile:

1. As a user, I would like to edit my profile picture.

Class registration suggestion feature:

1. As a user, I would like to see the rating of the professor.
2. As a user, I would like to see the reviews of the class by other users.

Class Forum feature:

1. As a user, I would like to join a class as a classmate.
2. As a user, I would like to see number of classmates in the class before I join the class.
3. As a user, I would like to see the list of classmates in the class I joined.
4. As a classmate, I would like to leave a class I joined.
5. As an administrator, I would like to create three fixed threads in each class forum as “welcome new students”, “random chat” and “academic resources sharing” where classmates are asked to discuss about a specific topic.
6. As a classmate, I would like to send messages to “random chat” and “welcome new students” threads.
7. As a classmate, I would like to receive messages from different threads.
8. As a classmate, I would like to share course resources in form of files in “academic resources sharing” thread.
9. As a classmate, I would like to manage the resources I have shared in the class by either uploading new files or deleting the files I have
10. As a classmate, I would like to have access to resources shared by my classmates.

Rate professor feature:

1. As a classmate, I would like to post a review for the class I have joined.
2. As a classmate, I would like to rate the class with “good”, “average” and “poor” tag while I’m writing the review.
3. As a classmate, I would like to delete my post.
4. As a classmate, I would like to ‘like’ my classmates’ reviews.
5. As a classmate, I would like to dislike’ my classmates’ reviews.
6. As an administrator, I would like to make sure only users who have joined the class are able to post reviews and modify his or her posts for the class.

Find classmates feature:

1. As a user, I would like to find friends from a class I joined based on my preference such as country, gender and etc.
2. As a user, I would like to have a friend list.
3. As a user, I would like to add a person to my friend list by searching his or her account email.
4. As a user, I would like to chat with my friends in the friend list privately.
5. As a user, I would like to form a group with my classmates by sending invitations to my classmates .
6. As a group member, I would like to send messages to my group and discuss course material problems with my group members.
7. As a user, I would like to delete a friend.
8. As a user, I would like to leave a group.

Set up meeting time feature:

1. As a user, I would like to form a group by sending invitations to my group members.
2. As a group member, I would like to create an time availability vote for my team members as an event creator.
3. As an event creator, I would like to set up the due date of the vote.
4. As an event creator, I would like to set up the due date reminder time for the vote.
5. As an event creator, I would like to cancel the event I created.
6. As a group member, I would like to receive an email notification if I get an invitation to the time availability vote.
7. As a group member, I would like to vote for the time slot for an event after I got the invitation from the event creator.
8. As a group member, I would like to change my voted time any time before the due date of the vote.
9. As a group member, I would like to get an email reminder on the due date reminder time.
10. As a group member, I would like to receive a notification about the final meeting time after the vote is done.
11. As a group member, I would like to receive a reminder one day before the meeting.
12. As a group member, I would like to be able to retrieve events I have voted.

Non-Functional Requirement:

1. As a user, I would like to have fast response time.
2. As a user, I would like to have an application that easy to use.
3. As a developer, I would like the server to be secure in the way that non-authorized requests are denied.
4. As a developer, I would like the server to be able to handle large amount of users.
5. As a developer, I would like to ensure that our framework is reusable.
6. As an administrator, I would like to be able to ban a user's account.