

Sprint 2 Planning Document

iStudy

Team 1

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Sprint Overview:

In sprint 2 we are going to implement two unique features in our project: Find classmates and Class Registration Suggestion.

By the end of this sprint, users will be able to join a class as a classmate and chat with other classmates. And users will also be able to look up rating and comments about a specific professor in the class registration suggestion part, where data will be fetched from rate my professor website.

Scrum Master: Weijie Meng

Meeting Schedule: Wednesday, Friday at 7:00pm

Risk/Challenges:

Since we will focus on some unique features this time, we need to learn some new techniques such as socket io. Efficiency is also important in this sprint since we are planning to finish 10 user stories . And we also need to make sure the server and the frontend connected successfully.

Task to be completed, related to sprint 1:

Since we didn't include logout part in our sprint1 document, we will implement logout feature before we start to work on user stories for sprint2.

Current Sprint Detail

User Story #1

As a user, I would like to see the rating score of the class taught by a specific professor.

#	Task Description	Workload Estimation	Owner
1.	Implement functionality of extracting relevant information from RMP (Rate My Professor) by using their API.	6 hrs	Weijie
2.	Build up the templating of professor rating rank on the user side.	10 hrs	Guocheng
3.	Filter the extracted data by our needs	4 hrs	Mengxue

Acceptance Criteria:

- Given that we successfully implemented the RMP api, we could get relevant data from RMP on server side.
- Given that server side gets the data successfully, the server could send the data to client side.
- Given that a user wants to check the rating of a specific course by his or her interest, he or she could see the relevant rank of the rating score.

User Story #2

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

#	Task Description	Workload Estimation	Owner
1.	Implement functionality of extracting relevant information from RMP (Rate My Professor) by using their API	3 hrs	Weijie
2.	Build up the templating of user reviews of a course taught by a specific professor on the user side	6 hrs	Yang
3.	Filter the extracted data by our needs	2 hrs	Qian

Acceptance Criteria:

- Given that we successfully implemented the RMP api, we could get relevant information from RMP.
- Given that server side gets the data successfully, the server could send the data to client side.
- Given that a user wants to check the rating of a specific course by his or her interest, he or she could see the extra information about the rating.

User Story #3

As a user, I would like to join a class as a classmate.

#	Task Description	Workload Estimation	Owner
1.	Add classmate attribute to class table in database on the server side and set up the appropriate association between user and class	6 hrs	Mengxue
2.	Set up the dashboard of joining-class features	3 hrs	Xiaohua
3.	Implement buttons to send join-class requests to backend	3 hrs	Qian
4.	Implement the functionality of receiving request from client side and add the user to the class as a classmate	4 hrs	Weijie

Acceptance Criteria:

- Given that the join-class dashboard has been set up successfully, when a user wants to click the join class button, he or she could be redirected to the corresponding class page.
- Given that after the user has joined a class, the name of that class could be added to the class list on the left navigation bar of the user's dashboard.
- Given that the user clicks on the join class button, the user could be added as classmate of that class in the database on server side.

User Story #4

As a user, I would like to see number of classmates in the class after I join the class.

#	Task Description	Workload Estimation	Owner
1.	Implement the templating of number of students showing on the client side	4 hrs	Guocheng
2.	Implement the functionality of getting number of classmates in a class taught by a specific professor on the server side	5 hrs	Weijie
3.	Implement the functionality of appropriately rendering data getting from server side on the client side	4 hrs	Yang

Acceptance Criteria:

- Given that the functionality of counting classmates has been set up successfully, when a user search a class, then the number of classmates for a class taught by a specific professor will show up in a proper place on the class page after the user submit the join-class request.
- Given that after the user joined the class, then the server side is able to send the number of classmates in this class to the client side.

User Story #5

As a user, I would like to see the list of classmates in the class I joined.

#	Task Description	Workload Estimation	Owner
1.	Implement the functionality of sending client side all the classmates in the class from server side	3 hrs	Guocheng
2.	Build a classmates list templating to show all the classmates currently in a specific class	6 hrs	Qlan
3.	Render the data fetched from the database to fill up the template with user information	5 hrs	Xiaohua

Acceptance Criteria:

- Given that the classmate attributes are set up properly on the server side, the server could send the relevant information to the client side.
- Given that the classmate attributes are set up properly on the client side, when a user enters the class, then the classmates list template will show up on the right side of content page.
- Given that the classmates list template could show up successfully, when a user clicks on one of the classmates, a popup window will show general information of that classmate.

User Story #6

As an administrator, I would like to create a “random chat” thread in each class, where classmates can have random conversation with other classmates in the thread, which is in format of a chat room.

#	Task Description	Workload Estimation	Owner
1.	Set up the chat room configuration on the server side	8 hrs	Mengxue
2.	Set up a button on the class-content page to redirect user to the chat room page on the client side	2 hrs	Yang
3.	Build up the chat-room page on the client side	5 hrs	Guocheng
4.	Set up a button on the chat room page to redirect user back to the class-content page	2 hrs	Qian

Acceptance Criteria:

- Given that the class-content page has been set up successfully, when a user click the “Random Chat” thread, then the class-content page will be redirected to the chat room page.
- Given that the user is on the chat-room page, when the user click the “back to class” button, then the window will go back to the dashboard
- Given that the chat room configuration is setup properly on the server side, the server could set up a chat room for classmates who entered the room to chat.

User Story #7

As a classmate, I would like to send messages to chat room.

#	Task Description	Workload Estimation	Owner
1.	Implement the functionality to enable user to type message in the message box and hit the send button to send the message to the chat room on the client side.	3 hrs	Xiaohua
2.	Implement the functionality to receive the message sent by a single user, and redirect the message to all other members present in the chat room on the server side	3 hrs	Weijie

Acceptance Criteria:

- Given that the chat room template is setup successfully, then the user is able to type message in the message box.
- Given that after the user typed message he or she wants to send, he or she could send the message by hitting the send button.

Given that a user sends a group message, then the message would be redirected to all other members present in the chat room, and the message is visible to all members including the sender himself or herself.

User Story #8

As a classmate, I would like to receive messages from the chat room after I enter the Random Chat.

#	Task Description	Workload Estimation	Owner
1.	Implement the functionality to redirect messages sent by users present in the chat room to the user on server side	4 hrs	Qian
2.	Implement the functionality that the message left by other members will show up in the chat room on the client side	4 hrs	Yang

Acceptance Criteria:

- Given that the chat room has been set up, when a user enters the chat room, then all messages fetched from server side will be shown up.
- Given that the server of the chat room has been set up, when a user enter the chat room, then the server will render all messages from other classmates to send them to client side.

User Story #9

As a user, I would like to have a friend list.

#	Task Description	Workload Estimation	Owner
1.	Build up a friend list templating on every user's dashboard page	4 hrs	Guocheng
2.	Implement the functionality of rendering friend list data from the server side in the friend list on the client side	4 hrs	Weijie
3.	Add the friends attribute to the user profile table in the database and setup the proper association between user and his or her friends on the server side	6 hrs	Mengxue

Acceptance Criteria:

- Given that the template is set up successfully on the client side, then a user is able to see his or her friend list on the user's dashboard page.
- Given that a user has added friend to his / her friend list, then the added friends would be added into the friend list of the user on the client side.
- Given that the friend list has been set up successfully in the database on the server side, the data in the database would be dynamically updated according to user's action on the client side.

User Story #10

As a user, I would like to find and add friends from a specific class I joined based on my preference such as country, gender and etc.

#	Task Description	Workload Estimation	Owner
1.	Build a “add friends” button in the every specific class	1 hrs	Xiaohua
2.	Implement the filter for a user to select the preference of adding friends	3 hrs	Guocheng
3.	Create a link to every user’s public profile information in the favorite list	2 hrs	Yang
4.	Remind the server to send friend request to the selected user	3 hrs	Qian
5.	Build a request content for every user to check his or her own friend requests	5 hrs	Weijie
6.	Implement the selector to choose accept or decline for each request	3 hrs	Mengxue

Acceptance Criteria:

- Given that the “add friends” button is setup successfully, then the system will redirect to filtering page by clicking the “add friends” button.
- Given that the filtering template is setup successfully, then the user is able to input preference to filter possible friend candidates from the class.
- Given that a friend request has been sent, when the receiver is logged in, then the message notification will be in the dropdown link in the navbar.

Remaining Backlog:

Functional Requirements:

Profile:

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

Class Forum feature:

1. As a classmate, I would like to leave a class I joined.
2. As a classmate, I would like to share course resources in form of files in “academic resources sharing” page component.
3. 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
4. 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 add a person to my friend list by searching his or her account email.
2. As a user, I would like to chat with my friends in the friend list privately.
3. As a user, I would like to form a group with my classmates by sending invitations to my classmates .
4. As a group member, I would like to send messages to my group and discuss course material problems with my group members.
5. As a user, I would like to delete a friend.

6. 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.