

StudyUp - USSA

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1 User Stories and Corresponding Tasks

Bold items are due this week. Plain text are due next week. *Italic* items are nice-to-haves. Tasks are in order of which should be completed first to last. At the end of each task, there is a time estimate in parentheses indicating how long it would take a pair of programmers, working together, to complete the task.

1. **Ability to create a study group.**

- (a) Implement a "Create Group" form for the user to fill out.(1 day)
- (b) Make a "Create" button on the "Create Group" form. (1 hour)
- (c) Store new group's information in the database. (1 day)
- (d) Navigate to the "View" UI after group is created.(1 hour)

2. *Search for a class-oriented study group.*

- (a) Save all active group data in the database. (3 hours)
- (b) Implement a search bar to query the database. (1 hour)
- (c) Return all matches from the database that match with query. (1 hour)

3. Cancel a study group.

- (a) Create a "Cancel" button on the "View" UI. (1 hour)
- (b) Create functionality to check what kind of user it is (i.e. study group administrator or user who has joined a group.) Make sure that only a study group administrator is presented with the "cancel" option when looking at the "View" UI. (2 days)

4. Website is easy to navigate.

- (a) Create navigation bar at top of page with links to navigate to all possible UI pages present.(1 hour)
- (b) Ensure link names are logical regarding where they will navigate to, as well as making sure they are placed in such a way that is intuitive for the user. (half hour)

5. **Login with canvas login.**

- (a) Research Canvas API standard and calls that will be used.(1 week)

- (b) Implement validating user token on site. (3 hours)
- (c) Add standard user authentication to website. (2 hours)
- (d) Integrate canvas login into authentication framework. (2 hour)

6. Join group easily.

- (a) Design UI element(s) to solve request.(1 day)
- (b) Implement designed UI on website page. (1 day)
- (c) Make elements functionality work. (1 week)

7. See current study groups upon entering site.

- (a) Pull active group information from the database. (2 hours)
- (b) Design Home Page UI. (3 hours)
- (c) Display information from the database on the Home Page. (1 hour)

8. Calendar of study groups.

- (a) Integrate with the Canvas API. (3 days)
- (b) Link newly created/joined groups with the Canvas calendar. (3 hours)
- (c) Add the study groups as events on the calendar. (2 hours)
- (d) Create a link on the navigation bar to the application's calendar. (half hour)

9. Campus map showing locations of study groups.

- (a) Find an API for OSU's campus map. (2 hours)
- (b) Do research on how to represent study groups on the map. (3 hours)
- (c) Implement campus map integration. (4 days)
- (d) Create link to the map in the application's navigation bar.(half hour)

10. Email notifications for events.

- (a) Research automated email service. (1 day)
- (b) Figure out how to use the service's API.(1 day)

- (c) Create implementation for sending out email alerts if user joins, creates, leaves, or cancels a study group. (3 days)
11. *Discussion board on study groups.*
- (a) Add data tables for messages in the database. (1 hour)
 - (b) determine what the UI for the discussion board will look like. (1 day)
 - (c) Add UI for the discussion board into the application. (2 days)
 - (d) Create a link to the discussion board on the application's navigation bar. (half hour)
12. Able to add class resources to group page.
- (a) Create a text-box on "Create Study Group" form. (2 hours)
 - (b) Make sure entered information is saved to the database and updated on the "View" UI. (2 hours)
13. Access my canvas classes on the website.
- (a) Integrate with Canvas API. (3 days)
 - (b) Pull in user's classes into database and display on "Create Study Group" page. (3 days)
14. *Access website from mobile device.*
- (a) Validate if application can be seen on a mobile device. Find out what works and what does not. (1 hour)
 - (b) Systematically address non-working aspects and adjust structure and functionality until it is mobile-compatible. (1 week)
15. Leave study group if accidentally join.
- (a) Create a new button "Leave", on the "View" UI. (1 hour)
 - (b) Finish database so that way users can be added and removed from groups. (3 days)
 - (c) Create functionality to check what kind of user it is (i.e. study group administrator or user who has joined a group.) (2 days)

2 UML Sequence Diagram/Spike

2.1 Canvas Login

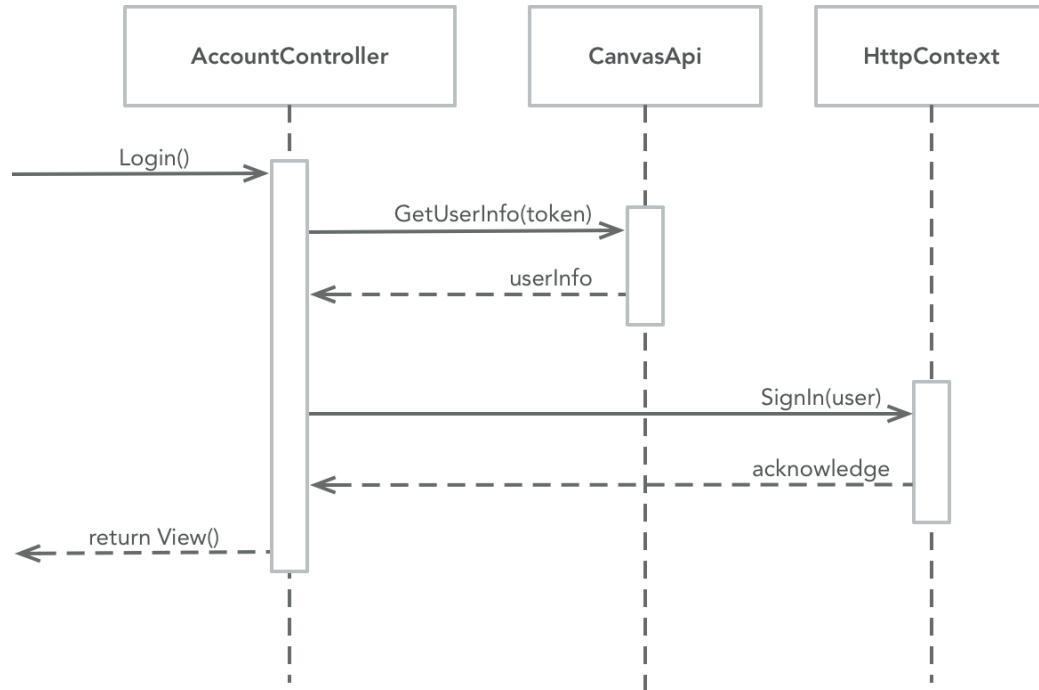


Figure 1: Canvas login sequence diagram.

2.2 Create study group

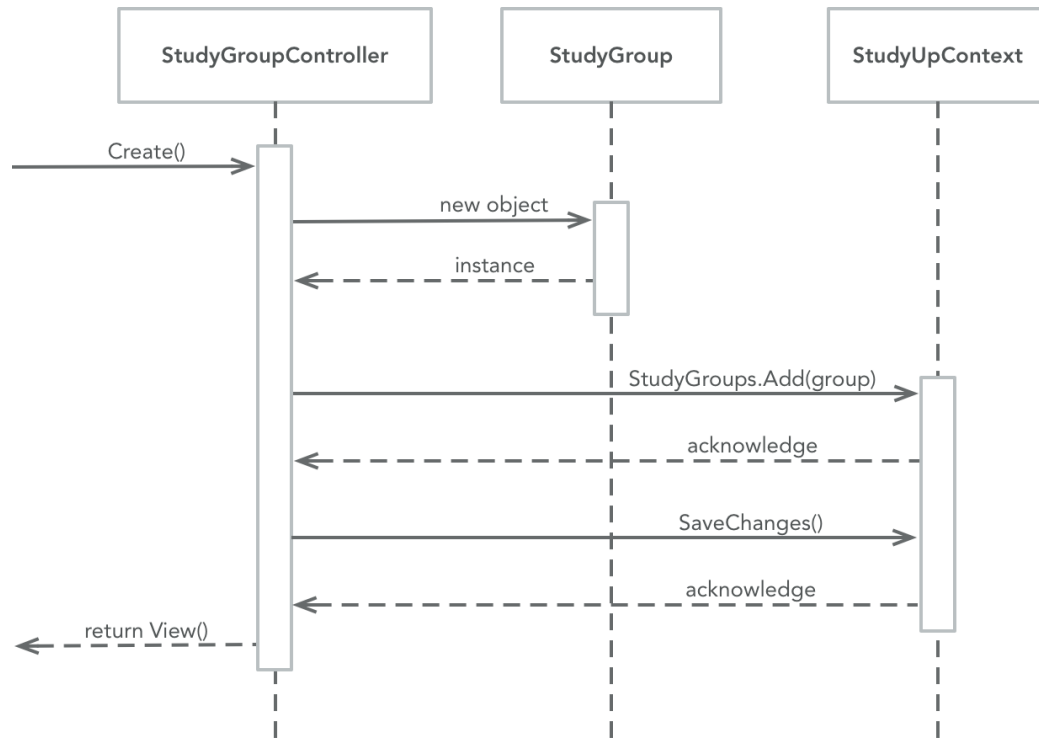


Figure 2: Create group sequence diagram.

2.3 List current groups

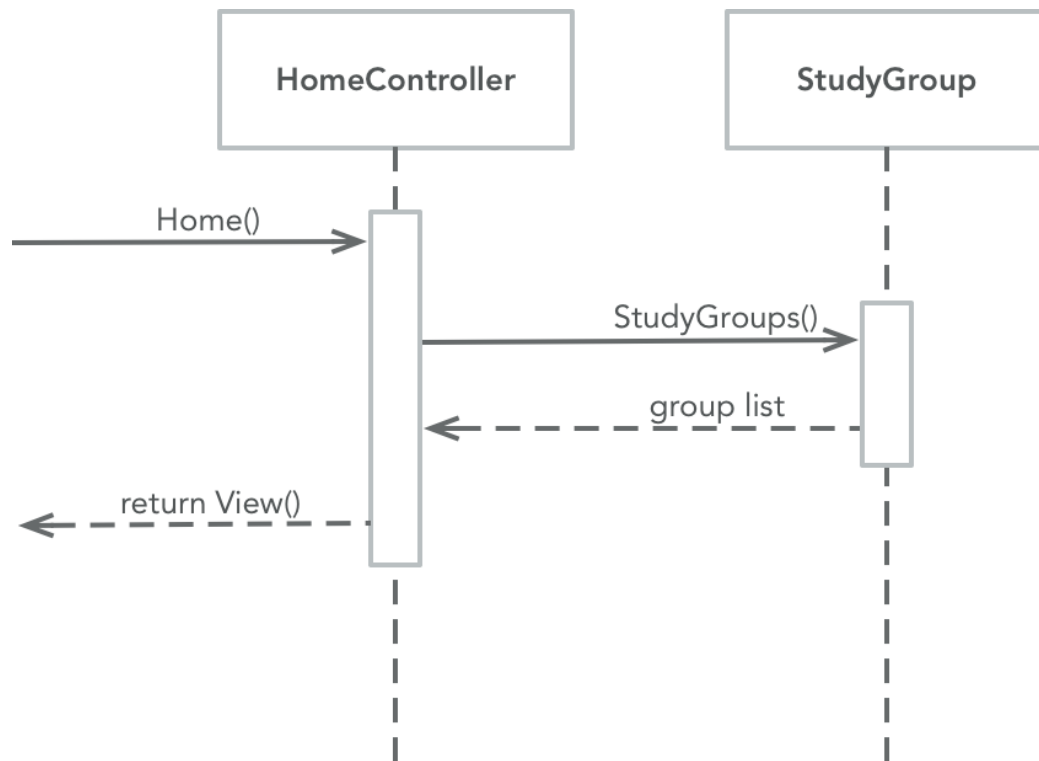


Figure 3: List current groups sequence diagram.

2.4 Join study group

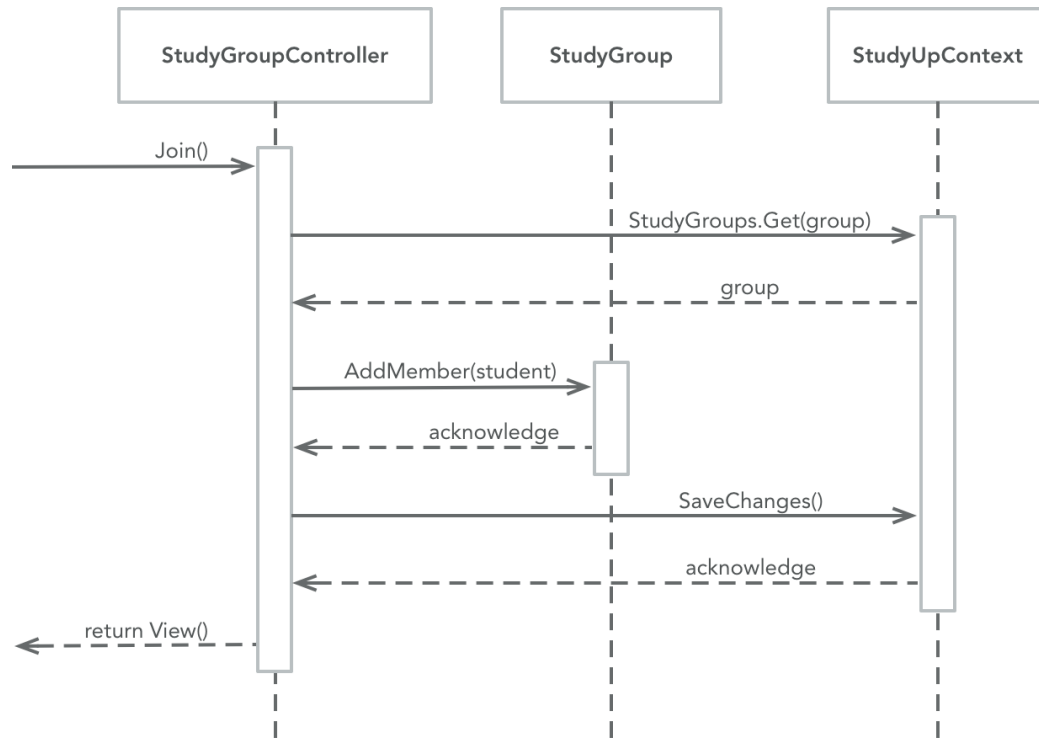


Figure 4: Join study group sequence diagram.

3 The Stories Due Next Week

Ability to create a study group.

Calvin is the developer who is assigned to this story. He has already started work developing the UI and is beginning work on the functionality. This work can be done in parallel with other stories.

See current groups when entering site.

Moyez is assigned to this story. He has designed the UI elements for the page and is now tasked with making it functional with real data. This functionality depends on canvas login to retrieve class data from page.

Login with canvas login.

Yukon is assigned to this story. This story has been implemented and validated to function properly. This item completed ahead of schedule allowing work on functionality for other stories to be properly tested.

Join group easily.

This story item is apart of viewing a study group which is assigned to Chandler. This involves having a visible button when viewing study groups to join the group. The UI element has already been implemented with the functionality to be completed next.

4 Meeting Report

This week the group met on Friday to check in on each group member's progress on implementing the functionality of their portion of the UI. Additionally, we discussed 15 user stories relevant to our application, as well as the corresponding tasks needed to meet the criteria of each user story.

Currently, the functionality the user login is complete. Otherwise, Yukon is working on the database so that way we can integrate in all parts of the UI and get a functioning application. Right now, however, we are all working with sample objects in effort to get each individual UI component functioning. Chandler is working "View", Calvin on "Create Study Group", and Moyez on "Find Study Group." Getting the database running and continuing to implement the functionality will be an ongoing goal for this week as well.

Chandler will work on the "View" functionality, Yukon will continue work on the database, Calvin will work on implementing the "Create Study Group" functionality, and Moyez will work on the "Find Study Group functionality." By next week, our goal is to have a rough functional version of the website.

We met with our customer and discussed the tasks. we found the proposed tasks reasonable and plan on implementing them. We are planning on meeting Tuesday and Friday in order to check in on each group member's progress and continue working on our implementations.