CONNEC+

Sprint 3 Planning Document

Connec+ (ConnectPlus)

Team 9

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Sprint Overview

In sprints one and two, we made a strong foundation for our project, and provided basic functionality of finding nearby users with similarities. For this sprint, our main goal is allowing the users to communicate with each other through broadcasts and direct messaging but we also have several stories aimed at improving current features, and adding extra ones.

Scrum Master

Joey Vinyard

Meeting Plan

MWF 11:30-12:30pm
HAAS G072
F 3:30-4:00pm
HAAS G050

Risks and Challenges

- ➔ This sprint, one of the biggest challenges that we encounter is making sure that we don't forget any of the minor features that are necessary for a complete application.
- ➔ Another potential issue is if we overestimate the amount of work we can do in this sprint, we will not have an opportunity to make up for it in future sprints.
- ➔ Last sprint, we were not as careful as we should have been before our sprint review, and we forgot a few minor features in our acceptance criteria.

Current Sprint Detail

User Story 1

➔ As a user, I would like the application to be able to store my YouTube subscriptions information.

#	Task Description	Estimated Time	Owner
1	Implement logging into the Youtube API	3	Joey
2	Implement pulling a user's subscriptions from the Youtube API	3	Joey
3	Add routes to store a user's subscriptions in the database.	3	Joey
4	Implement unit tests to check that correct youtube subscriptions are properly stored	1	Calvin

➔ Acceptance Criteria

- Given that a user has entered their credentials, when they click the connect button, then the client will attempt to authenticate with Youtube's API.
- Given that the client has successfully authenticated with Youtube's API, then it will request data on the user's subscriptions from the API.
- Given that the client has requested a user's subscriptions, when the API returns them, then the client will send them to the backend.
- Given that the client has sent the subscriptions to the backend, then the backend will store them in the database.

User Story 2

➔ As a user, I would like to be able filter nearby users based on my YouTube subscriptions.

#	Task Description	Estimated Time	Owner
1	Implement querying the database to get a list of YouTube Subscriptions	2	Calvin
2	Implement adding and removing the YouTube filter.	2	Calvin
3	Implement filtering nearby user lists based on the YouTube subscriptions	2	Cameron
4	Implement unit tests to check that the nearby user lists get filtered correctly	1	Victoria

➔ Acceptance Criteria

- Given that the user wants to filter based on common YouTube subscriptions, when the user selects to filter based on YouTube, then users without shared subscriptions will disappear.
- Given that a user wants to remove an applied YouTube filter, when they deselect the YouTube filter, then only the users filtered out based on Youtube will reappear.
- Given that the user wants to apply the YouTube filter with another filter, when the user selects both filters, then the users will be filtered based on both criterion.

User Story 3

➔ As a user, I would like to be able to send a broadcast message to those close to me, so I can easily form new connections with people already in my area.

#	Task Description	Estimated Time	Owner
1	Add button to Map and List page to open broadcast system	1	Victoria
2	Create a sidebar interface that allows the user to create a broadcast and send it.	4	Cameron
3	Implement sending a message to the database when a user clicks “Broadcast”	3	Calvin
4	Implement adding a tag to the message which changes who can view the broadcast	3	Calvin
5	Create a database location to store nearby broadcasts	1	Calvin
6	Display an error message if the user enters an invalid broadcast	2	Victoria
7	Implement unit tests to confirm that the broadcast is correctly stored in the database.	1	Calvin

➔ Acceptance Criteria

- Given that the user wants to broadcast a message, when they click send, then the message will appear in the database.
- Given that the user wants to add a tag to their user story, when they send the broadcast, then the broadcast in the user story will have the desired tag.
- Given that the user has successfully sent a broadcast, then they will receive a success message.

User Story 4

➔ As a user, I would like to be able to receive a broadcast message from those close to me.

#	Task Description	Estimated Time	Owner
1	Create frontend broadcast component	1	Cameron
2	Implement a server route for loading a list of nearby broadcasts	3	Victoria
3	Implement querying the database for the broadcasts automatically after a certain interval.	3	Victoria
4	Implement filtering the list of broadcasts, by the criteria stored in it	5	Calvin
5	Implement unit tests to confirm that the broadcast are correctly retrieved from the database	1	Calvin

➔ Acceptance Criteria

- Given that the user wants to view broadcasts, when they open the broadcasts section, then broadcasts from the database will appear.
- Given that the user wants to view broadcasts when they open the section and a broadcast has a tag, then they will only see it if the tag matches data.
- Given that the user wants to view responses to a broadcast, when the user expands the broadcast, then they will be able to view the responses.

User Story 5

➔ As a user, I would like to be able to respond to a broadcast message that has appeared on my screen.

#	Task Description	Estimated Time	Owner
1	Create broadcasting response input	1	Cameron
2	Create commenting interface to show responses to broadcast.	3	Cameron
3	Implement a route for sending a broadcast response to the database	3	Calvin
4	Create unit tests to verify that responses to broadcasts function correctly.	1	Joey

➔ Acceptance Criteria

- Given that a user has received a broadcast, then they will receive a notification in the content menu.
- Given that a user would like to reply to a broadcast, when they click on the broadcast, then they will be able to type a response.
- Given that a user sends a reply to a broadcast, when they press the send button, then their comment will appear under the broadcast.

User Story 6

➔ As a user, I would like the application to sort the information on the map view page based on commonalities.

#	Task Description	Estimated Time	Owner
1	Implement a server route for retrieving user interests and social media	3	Calvin
2	Add commonalities to the user card	2	Nirali
3	Create service to sort users by commonalities	3	Nirali
4	Split users into different arrays based on commonality percentage.	3	Nirali
5	Change color of nearby user's pins to show commonality tier	2	Cameron
6	Create unit tests to test functionality	1	Victoria

➔ Acceptance Criteria

- Given that a user has refreshed the map page, when nearby users are received from the database, then they are separated into different arrays based on commonality.
- Given that a user wants to view nearby users, when they are on the map view page, then they will see pins of nearby users in varying shades of blue based on commonalities.
- Given that a user wants to see another user's commonalities, when the user clicks the user's pin, then within the card they can see commonalities they have with that user.

User Story 7

➔ As a user, I would like the application to sort the information on the list view page based on commonalities.

#	Task Description	Estimated Time	Owner
1	Change color of nearby user's list entry to show commonality tier	1	Cameron
2	Make nearby users with the most commonalities appear further up in list	2	Victoria
3	Implement using the sorting functionalities implemented in user story 6 to create a list to be used in the list view	2	Victoria
4	Add commonalities to the user card	1	Nirali
5	Front end testing to confirm that the list view is properly sorted	1	Victoria

➔ Acceptance Criteria

- Given that the user wants to view a list of sorted users, when they go to the list view, then the users will appear in sorted order.
- Given that the user wants to view a list of filtered and sorted users, when they navigate to the list view and select a filter, then a sorted list will show up and will exclude users that don't match the selected filters.
- Given that a user wants to see another user's commonalities, when the user clicks the user's card, then the card will display commonalities.

User Story 8

➔ As a user, I would like to be able to send feedback information to the developers.

#	Task Description	Estimated Time	Owner
1	Implement the ability for the client to read the message in the feedback section	2	Nirali
2	Add services in the frontend to send the feedback to the backend	2	Nirali
3	Add routes in the backend to receive the feedback from the client	1	Joey
4	Store the feedback received by the backend in the database.	1	Joey
5	Implement success message for feedback sent	1	Nirali
6	Implement error message for feedback not sent	1	Nirali
7	Implement unit tests to check that feedback messages are properly stored in the database	1	Calvin

➔ Acceptance Criteria

- Given that a user has submitted the feedback form, then the client will pull the data from the feedback form.
- Given that the client successfully pulls the data from the form, then it will send it to the backend.
- Given that the client has successfully sent the feedback to the backend, when the backend receives it, then it will store the feedback in the database.

User Story 9

➔ As a user, I would like to be able to choose to be invisible for an amount of time rather than indefinitely.

#	Task Description	Estimated Time	Owner
1	Add services in the frontend to send the timeout to the backend	1	Joey
2	Add routes in the backend to receive the timeout request from the client	1	Joey
3	Implement functions to schedule the removal of a user's invisibility	1	Joey
4	Implement unit tests to check that a user's invisibility is properly toggled	1	Calvin

➔ Acceptance Criteria

- Given that a user has selected to be invisible for a certain amount of time, then the client will send the length of the timeout to the backend.
- Given that the client has successfully sent the timeout to the backend, then it will make the user invisible and schedule the removal of the invisibility.
- Given that the timeout is successfully set, when it finishes, then the server will re-enable visibility for the user.

User Story 10

➔ As a user, I would like to be able to type in my interests and have them autocomplete, rather than having to select from a restricted list.

#	Task Description	Estimated Time	Owner
1	Create text boxes for each interest category	1	Cameron
2	Implement auto-filling interests based on user input	4	Cameron
3	Create the restricted lists containing all the possible interests	4	Nirali
4	Implement storing user's interests in a new section of the database.	2	Nirali
5	Create list to display user's interests	1	Cameron
6	Populate list to display user's selected interests	3	Nirali
7	Redo filters based on interests	4	Victoria
8	Update filter selection interface	3	Victoria
9	Create Unit Tests	1	Victoria

➔ Acceptance Criteria

- Given that a user wants to add an interest, when the user starts to type their interest then it will autofill if the interest exists in the restricted list.
- Given that a user wants to filter their interests, when they select desired interest filters on the filter interface, then the map and list view will filter users based on those that are selected.
- Given that a user has successfully added an interest, then that interest will be stored in the database.

User Story 11

➔ As a user, I would like to be able to see the messaging interface on map and list view.

#	Task Description	Estimated Time	Owner
1	Create bottom interface to display messages	3	Cameron
2	Create sidebar of interface that shows private message threads	2	Cameron
3	Create text input within thread to send new message	1	Cameron
4	Style messages to make it aesthetically pleasing	1	Cameron
5	Frontend Unit Testing	1	Victoria

➔ Acceptance Criteria

- Given that a user is on the map or list view, when they navigate to the bottom of the page, then they can view the messaging interface.
- Given that the user wants to open the messaging interface, when they click the open button, then the messaging interface will open.
- Given that the user want to close the messaging interface, when they click the close button, then the messaging interface closes.

User Story 12

➔ As a user, I would like to be able to send messages to others.

#	Task Description	Estimated Time	Owner
1	Implement text box to type a message	2	Nirali
2	Implement a maximum number of characters	1	Nirali
	Implement services to send messages to database	1	Joey
3	Store message in database between both users	2	Joey
4	Create unit tests to confirm that the message is correctly stored in the database.	1	Nirali

➔ Acceptance Criteria

- Given that a user wants to type a message, when they click on the text box, then they can type a message.
- Given that a user wants to type a message, when they start typing, ,then they are limited to a specified number of characters.
- Given that a wants to sends a message, when they click the send button, then the message is sent to the database.

User Story 13

➔ As a user, I would like to be able to receive messages from other users.

#	Task Description	Estimated Time	Owner
1	Implement method to fetch messages from the database	2	Joey
2	Implement services to refresh displayed messages when new messages are received	2	Joey
3	Display messages from the database on client	2	Nirali
4	Create unit tests	1	Nirali

➔ Acceptance Criteria

- Given that a user has opened their messages view, then the client will query the backend for the user's messages.
- Given that a user's messages have been loaded from the database, when the user opens the interface, then the messages will be loaded into the appropriate threads.
- Given that the page is refreshed, then the messages are updated to the most recently received messages.

User Story 14

➔ As a user, I would like for overlapping pins on the map to cluster together and provide a list view of users in that location within the map page.

#	Task Description	Estimated Time	Owner
1	Implement functions to find overlapping users based on their locations.	2	Joey
2	Create overlapping pin icon that can be clicked to display list of the clustered users	1	Cameron
3	Create clustered user list popup that displays the clustered users	2	Cameron
4	Create unit tests to test that the map correctly groups users that are nearby to each other	1	Victoria

➔ Acceptance Criteria

- ◆ Given that multiple users' locations are clustered on the map, then their pins will not be individually displayed.
- ◆ Given that the users' individual pins are successfully not displayed, then the map will display a single pin that allows the user to view the clustered pins.
- ◆ Given that the user changes range, when the range becomes smaller, then the nearby users in that space will become unclustered.

User Story 15

➔ As a user, I would like to be able to filter the list page results by a specified range.

#	Task Description	Estimated Time	Owner
1	Implement server route to query for nearby users based on a distance.	2	Calvin
2	Implement using the filtering system using the different list of queried users	1	Victoria
3	Implement picking the selected range from the list view user interface	2	Victoria
4	Create unit tests to confirm that the database returns a correct list of users	1	Calvin

➔ Acceptance Criteria

- Given that a user wants to filter the list, when the range is changed, then the nearby users are re-queried from the database with the new setting.
- Given that client has successfully re-queried the database, then the new list of users will be displayed.
- Given that a user wants to filter the list, when the list is re-populated, then the sorting by commonalities will be maintained.

User Story 16

➔ As a developer, I would like for the app to be hosted on a remote server, so that it may be accessed from any device.

#	Task Description	Estimated Time	Owner
1	Set up a hosting server for the backend	1	Joey
2	Set up a hosting server for the frontend	3	Joey
3	Connect our custom url to the frontend hosting server	1	Joey
4	Implement unit tests to confirm that the publicly hosted servers are accessible.	1	Joey

➔ Acceptance Criteria

- Given that the frontend has been successfully hosted, when a user attempts to connect to it, then the application will load.
- Given that the backend server has been successfully hosted, then the hosted client will be able to make calls to it.
- Given that both the frontend and backend are successfully hosted, then the user will be able to connect to the application with our custom url.

Remaining Backlog

46/46 Stories Complete

- ~~➔As a user, I would like to be able to create and login to an account on the web.~~
- ~~➔As a user of the web application, I would like to be able to be able to reset my password if forgotten.~~
- ~~➔As a user, I would like to be able to manually enter data about myself and my interests.~~
- ~~➔As a user, I would like to have a settings page so that I can change features of the application, such as whether or not I am visible to others in my area.~~
- ~~➔As a user, I would like to be able to delete my account from the Settings page.~~
- ~~➔As a user, I would like to see a graphical map interface page.~~
- ~~➔As a user, I would like to see a list interface page.~~
- ~~➔As a user, I would like to be able to change my account email and password.~~
- ~~➔As a user, I would like to be able to select from multiple languages when using the web application.~~
- ~~➔As a user, I would like to be able to give feedback to the developers from the Settings page.~~
- ~~➔As a user, I would like to presented with a splash page upon opening the website.~~
- ~~➔As a user, I would like to be able to link my Facebook account to my Connec+ Account so that I can connect with people who have friends in common with me.~~
- ~~➔As a user, I would like the application to have the ability to display my profile information.~~
- ~~➔As a user, I would like the application to have the ability to delete my profile information.~~
- ~~➔As a user, I would like the application to have the ability to update my current profile information.~~
- ~~➔As a user, I would like the application to determine my current location.~~
- ~~➔As a user, I would like the application to fetch nearby users in the area within the selected range.~~
- ~~➔As a user, I would like for the application to be able to display a list view with nearby users in the area within the selected range.~~
- ~~➔As a user, I would like for the application to be able to display a map view with nearby users in the area within the selected range.~~

➔ ~~As a user, I would like for the settings page to be well organized with appropriate inputs for every section.~~

➔ ~~As a user, I would like to be able to change my mood status and visibility on the map or list page.~~

➔ ~~As a user, I would like the application to have menu in the navigation bar that allows me to navigate to any other page~~

➔ ~~As a user, I would like the application to be able to store my Facebook information.~~

➔ ~~As a user, I would like the application to be able to store my Blackboard information~~

➔ ~~As a user, I would like the application to be able to store my LinkedIn information~~

➔ ~~As a user, I would like to receive success messages from the application when I have incorrectly filled out forms.~~

➔ ~~As a user, I would like to receive error messages from the application when I have incorrectly filled out forms.~~

➔ ~~As a user, I would like to be able to link my Connec+ account to my Twitter account so that I can connect who I share connections with.~~

➔ ~~As a user, I would like to be able to link my Connec+ account to my Blackboard account so that I can connect with people who have classes in common with me.~~

➔ ~~As a user, I would like to have my location refreshed when I enter the webpage, and have it stored in my account.~~

➔ ~~As a user, I would like to be able to store my Twitter information within my Connec+ account and profile.~~

➔ ~~As a user, I would like the application to be able to store my YouTube subscriptions information.~~

➔ ~~As a user, I would like to be able filter nearby users based on my YouTube subscriptions.~~

➔ ~~As a user, I would like to be able to send a broadcast message to those close to me.~~

➔ ~~As a user, I would like to be able to receive a broadcast message from those close to me.~~

➔ ~~As a user, I would like to be able to respond to a broadcast message that has appeared on my screen.~~

➔ ~~As a user, I would like the application to sort the information on the map view page so that those with more commonalities are based on commonalities.~~

- ~~➔ As a user, I would like the application to sort the information on the list view page based on commonalities.~~
- ~~➔ As a user, I would like to be able to send feedback information to the developers.~~
- ~~➔ As a user, I would like to be able to choose to be invisible for an amount of time rather than indefinitely.~~
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