CONNEC+

Sprint 1 Planning Document

Connec+ (ConnectPlus)

Team 9

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Sprint Overview

During this sprint, our goal is to complete the website for our application, along with a few backend tasks. By the end of the sprint, the user should be able to use web app to create an account, login, link their social media and school accounts, set their visibility and view nearby users who are also visible. We plan to meet every Wednesday and Friday to compare progress reports and make adjustments to the plan for the following week.

Scrum Master

Cameron Glass

Meeting Plan

W 2:30-3:00pm
        HAAS G050
W 6:00-8:00pm
        Third Street Suites
F 2:30-3:30pm
        Third Street Suites

Risks and Challenges

➔ Several team members do not yet have much experience with some of the technologies we will be using, such as firebase, node.js and angular. During this first sprint they will need to learn how to use these technologies to get the stories done in time.
➔ We will need to be very careful in creating the backbone of our project, as we will be building off of what we create in this sprint for the rest of the semester.
➔ Very few of our team members have ever worked on this big of a software project before, so dividing work and combining code may prove to be challenging.

Current Sprint Detail

User Story 1
➔ As a user, I would like to be able to create and login to an account on the web.

#	Task Description	Estimated Time	Owner
1	Set up back end server	3	Calvin
2	Set up Firebase	3	Joey
3	Create base Angular App	3	Cameron
4	Implement web client navigation and routing	3	Joey
5	Implement client-side services to send login information to the backend	3	Nirali
6	Create authentication pages	8	Victoria
7	Implement account creation with Firebase	3	Calvin
8	Implement capability to log in and maintain session in web client	3	Joey

➔ Acceptance Criteria
◆ Given that the web client implementation of authentication is completed, when the user attempts to create an account then the client will send the information to Firebase given that the email is not taken and the password is valid.
◆ Given that the account is successfully created, when the user advances to the next screen, then he/she will be presented with a screen to input information and connect social media accounts.
◆ Given that the user has been successfully authenticated on the sign in page, when they navigate to other pages then he/she should be authenticated and able to interact with the application.

User Story 2

➔ As a user of the web application, I would like to be able to be able to reset my password if forgotten.

#	Task Description	Estimated Time	Owner
1	Create a reset password page on the web client.	5	Victoria
2	Implement a service to communicate with Firebase to send password reset email.	3	Nirali

➔ Acceptance Criteria

◆ Given that the password entered is incorrect when the user attempts to login, then a button will bring the user to a password reset page

◆ Given that the email provided is associated with an account when entering recovery email, then send email and alert the user of successful sending.

◆ Given that the email is sent when correct email is provided, then include link in the email to a page where a new password can be defined.

◆ Given that the new password entered when prompted follows appropriate guidelines, then change the password in Firebase and provide a success notification to the user.

User Story 3

➔ As a user, I would like to be able to manually enter data about my social and school life.

#	Task Description	Estimated Time	Owner
1	Create a profile creation page.	5	Cameron
2	Design schemas in Firebase for storing user information.	2	Joey
3	Implement services in the web client to send new profile information to the backend	5	Nirali
4	Implement backend utilities to formalize the data received from the client, and send it to the database.	5	Calvin

➔ Acceptance Criteria
- ◆ Given that the user would like to enter new information about their hobbies and classes when creating the user profile, then the user should be able to manually add information.
- ◆ Given that the user would like to edit current information about their hobbies and classes when updating the user profile, then the user should be able to manually change the information.
- ◆ Given that a user saved new information when updating their profile, then their data should be updated in Firebase.
- ◆ Given that the user would like delete information from their profile, when updating the user profile, then the information should be removed from Firebase.

User Story 4

➔ As a user, I would like to be able to link my Connec+ account to my other social media profiles so that I can connect with people who have friends in common with me.

#	Task Description	Estimated Time	Owner
1	Implement the ability for the user to connect various social medias in the web client.	5	Calvin
2	Implement a service to request latest information about the user and display it on their profile.	5	Joey
3	Implement the ability for the user to remove connected social media.	3	Calvin

➔ Acceptance Criteria
- ◆ Given that the user has a social media account they would like to link, when the user links the account to their Connec+ account then the user can see connect with people who have friends in common.
- ◆ Given that the user has a LinkedIn account they would like to link, when the user links the LinkedIn account to their Connec+ account then the user can connect with people who have professional connections in common.
- ◆ Given the user has a Blackboard account they would like to link, when the user links the Blackboard account to the Connec+ account the the user can connect with people who have classes in common.
- ◆ Given that the user has connected their Facebook profile when the user is looking at those nearby, then they can see a common connection of people.

User Story 5

➔ 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.

#	Task Description	Estimated Time	Owner
1	Create Settings page	5	Cameron
2	Implement services to send a change in settings to the backend.	3	Nirali
3	Implement backend services to store settings in the database.	3	Calvin
4	Implement services to read and store settings in the local browser storage.	3	Joey
5	Implement services to request user settings from the backend if local storage does not contain them.	3	Calvin

➔ Acceptance Criteria
  ◆ Given that the user would like to appear invisible indefinitely, when they select this option, then their icon would disappear from other user maps and lists
  ◆ Given that the user would like to appear invisible for a certain amount of time, when the user selects this timespan, their icon would disappear from other user maps and lists
  ◆ Given that the user would like to change their mood status, when they choose this section in the settings app, then it will give them a list of predefined options and icons to choose from.
  ◆ Given that a any settings are altered, when the new setting is saved, then the information will be updated in Firebase.

User Story 6

➔ As a user, I would like to see a graphical map interface where nearby users of the application are visible so that I can connect with people nearby.

#	Task Description	Estimated Time	Owner
1	Create a Map page on the web client.	13	Cameron
2	Implement ability to obtain current location from the user.	3	Joey
3	Implement ability to convert current location to geographical coordinates.	5	Calvin
4	Implement a service to request nearby users from the backend.	5	Nirali
5	Implement a backend service to query the database for nearby users.	3	Joey
6	Implement a service to parse the user locations and display them on the Map page.	5	Calvin
7	Implement the ability for the user to navigate to user profiles from the map.	8	Victoria

➔ Acceptance Criteria
- ◆ Given that a user wants to switch to a graphical map interface, when they toggle from the list view, then a map will appear on the screen and Firebase will store the user's preference for next time the app is opened.
- ◆ Given that a user wants to see a map of those near them, when the user selects the map view option then the user will be able to see a graphical representation of other users in the vicinity.
- ◆ Given that a user wants to see more information about a user around them when they click the other user bubble, then a popup will display more information about that selected user.
- ◆ Given that a user wants to see more users, when they zoom out on the map, then more user bubbles will appear.

User Story 7

➔ As a user, I would like to see a list interface where nearby users of the application are visible in a table so that I can connect with people nearby.

#	Task Description	Estimated Time	Owner
1	Create the List view page.	7	Cameron
2	Implement ability to parse nearby user information and display it in list format.	8	Nirali
3	Implement ability for the user to navigate to user profiles from the list.	5	Victoria

➔ Acceptance Criteria
 ◆ Given that a user wants to switch to a list interface, when they toggle from the map view, then a list will appear on the screen and Firebase will store the user's preference for next time the app is opened.
 ◆ Given that a user wants to see a list of those near them, when the user selects the list view option then the user will be able to see a list representation of other users in the vicinity.
 ◆ Given that a user wants to see more information about a user around them when they click the other user entry in the list, then a new page will display more information about the selected user.
 ◆ Given that a user wants to see more users, when they continue to scroll down, then more user entries will load in.

User Story 8

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

#	Task Description	Estimated Time	Owner
1	Create a Broadcast message popup in the web client.	5	Cameron
2	Implement a service in the web client to send the message to the backend.	8	Nirali
3	Implement a backend service to send the message to all nearby users.	3	Calvin
4	Implement a service in the web client to listen for broadcasts from other users.	5	Joey
5	Create a pop up in the web client to display the broadcast.	5	Victoria

➔ Acceptance Criteria
- ◆ Given a user wants to create a new broadcast, when they press the broadcast page, then it will open the input to customize the broadcast message.
- ◆ Give a user has successfully sent a message, when the message is sent, then all users within a 1000 ft radius will receive a popup.
- ◆ Given that user creates a broadcast, the server will receive it, and only send it to the users with 1000 ft, and to no other users.
- ◆ Given that a user makes a broadcast incorrectly, when choosing the broadcast, then they get the option to remove or change the current broadcast.

User Story 9

➔ As a user, I would like to be able to respond to a broadcast from the web page so that I can quickly ascertain their location and meet-up with them.

#	Task Description	Estimated Time	Owner
1	Implement the ability for users to respond to broadcasts that are received on the web client.	5	Joey

➔ Acceptance Criteria

◆ Given that a broadcast has popped up, when the user clicks the popup, then an input to respond becomes available.

◆ Given that a user has entered relevant text, when the submission button is pressed, then the response is sent to the broadcaster.

◆ Given that a response is submitted, when the data is sent to the backend, then it will be sent to the backend.

◆ Given that a response is sent to the backend, when it is stored in firebase, then it will be sent to the original broadcaster as a response.

User Story 10

➔ As a user, I would like to be able to select from multiple languages when using the web application.

#	Task Description	Estimated Time	Owner
1	Implement translations for most hard coded text to allow an easy transition in language.	2	Calvin
2	Implement a setting that allows the user to select a language.	2	Calvin

➔ Acceptance Criteria
◆ Given that a user changes the language in settings, the text in the app will appear in the different language.
◆ Given that a user wants to select a new language, they will be able to view the available languages in the settings page.
◆ Given that a user wants to know what language the app is currently in, the web app will provide an indication showing which language is currently being used.

User Story 11

➔ As a user, I would like to have a feature on the web application to easily clear and replace classes so that it is easier to use the application across multiple semesters.

#	Task Description	Estimated Time	Owner
1	Implement a service for the web client to communicate with the backend to clear all of the user's registered classes.	8	Nirali
2	Implement the ability for the backend to clear all of the the registered classes of a user in a database.	5	Calvin

➔ Acceptance Criteria
   ◆ Given that a user wants to change their classes, when they choose the Blackboard section, then they will be presented the option to choose a current semester.
   ◆ Given that a user has selected semester, when they are presented with semester classes, then they will be able to choose which classes to display on their user profile.
   ◆ Given that a user has already selected their semester classes, when they go into settings, then they will be able to remove or add current classes.

User Story 12

➔ As a developer, I would like to implement a feedback feature to allow users to report back their thoughts on the web page so that updates can reflect what the user base wants.

#	Task Description	Estimated Time	Owner
1	Implement the ability for the user to enter feedback in the settings page in the web client.	8	Victoria
2	Implement a service to allow the web client to send the feedback to the backend.	8	Nirali
3	Implement the ability for the backend to store the feedback in the database.	5	Joey

➔ Acceptance Criteria

◆ Given that a user encounters a bug, when they go to settings, then they can send a message to our team describing the bug.

◆ Given a user would like to suggest a new feature, when they go to settings, then they can send a message to our team describing the feature.

◆ Given that a developer would like to read feedback from a user, when they go into the feedback database, then they can read the suggestions made by users.

◆ Given that the user would like to give feedback to the application developers, when they go to setting, then they can send a message with their thoughts on the application.

Remaining Backlog

12/37 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 my social and school life.~~

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

➔ ~~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 see a graphical map interface where nearby users of the application are visible so that I can connect with people nearby.~~

➔ ~~As a user, I would like to see a list interface where nearby users of the application are visible in a table so that I can connect with people nearby.~~

➔ As a user, I would like to see a connections screen where nearby users of the application are visible so that I can connect with people nearby.

➔ As a developer, I would like to have test cases to check the functionality of the sign in page in the web application so that I can confirm the robustness and functionality of the sign in page.

➔ As a developer, I would like to have test cases to check the functionality of the broadcast feature in the web application so that I can confirm the robustness of broadcast feature.

➔ As a user of the Android app, I would like to have access to a sign in page, so that I can create an account.

➔ As a user of the Android app, I would like to be able to give an email address so that I can use it to login, or in case of a forgotten password.

➔ As a user of the Android app, I would like to have access to a sign in page, so that I can log in.

➔ As a user of the Android app, I would like to be able to manually enter data about my social, and school life so that others can.

➔ As a user of the Android app, I would like to be able to link my Connec+ account to my Facebook account so that I don't have to load that data manually.

➔ As a user of the Android app, I would like to be able to link my Connec+ account to my LinkedIn account so that I can connect who I share connections with.

➔ As a user of the Android app, 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 of the Android app, I would like to be able to link my Connec+ account to my Instagram account so that I can connect with people who have I see on Instagram.

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

➔ As a user of the Android app, I would like to be able to respond to a broadcast quickly so that I can quickly ascertain their location and meet-up with them.

➔ As a user of the Android app, I would like to have a settings page so that I can change features of the app, and whether or not I am visible to others in my area.

➔ As a user of the Android app, I would like to see a connections screen where nearby users of the application are visible so that I can connect with people nearby.

➔ As a user of the Android app, I would like to be able to be able to use the android application to broadcast a message to those close to me, so I can easily form new connections with people already in my immediate area.

➔ As a user of the Android app, I would like to be able to respond to a broadcast on the android application so that I can quickly ascertain their location and meet-up with them.

If Time Allows:
➔ ~~As a user, I would like to be able to select from multiple languages when using the web app~~

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

➔ ~~As a user, I would like to be able to respond to a broadcast from the web page so that I can quickly ascertain their location and meet-up with them.~~

➔ ~~As a user I would like to have a feature on the web application to easily clear and reload new classes so that it is easier for students to use the application across multiple semesters.~~

➔ ~~As a developer, I would like to implement a feedback feature to allow users to report back their thoughts on the web page so that updates can reflect what the user base wants.~~

➔ As a developer, I would like to have test cases to check the functionality of the sign in page in the web application so that I can confirm the robustness and functionality of the sign in page.

➔ As a developer, I would like to have test cases to check the functionality of the broadcast feature in the web application so that I can confirm the robustness of broadcast feature.

➔ As a user of the Android app, I would like to be able to select from multiple languages when using the android application.

➔ As a user of the Android app, I would like to have a feature on the web application to easily clear and reload new classes so that it is easier for students to use the application across multiple semesters.

➔ As a developer, I would like to implement a feedback feature to allow users to report back their thoughts on the android application so that updates can reflect what the user base wants.

➔ As a user of the Android app, I would like to have an option to reset my password on the android application if I forget it.

➔ As a developer of the Android app, I would like to have test cases to check the functionality of the sign in page in the web application so that I can confirm the robustness and functionality of the sign in page.

➔ As a developer of the Android app, I would like to have test cases to check the functionality of the broadcast feature in the web application so that I can confirm the robustness of broadcast feature.