



Project Backlog
Connec+ (ConnectPlus)
Team 9

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Problem Statement

In today's world, social media is a major part of our daily lives. The goal of this project is to encourage face to face interaction, meet people around you, and enable users to connect with others who share similar interests, activities, and ideas.

Background Information

In today's world, social media is a major part of our daily lives. The goal of this project is to encourage face to face interaction, meet people around you, and enable users to connect with others who share similar interests, activities, and ideas.

Problem: In today's world, college students spend a lot of time on Facebook, Twitter, Instagram, Snapchat and other social media platforms. However, this method of communication is often isolating and can contribute to students reporting high rates of loneliness. Our goal as developers is to encourage face to face interaction between students and make new friends that they may otherwise have not met.

Domain: Web Application

Targeted Users: Students

Our project incorporates many aspects of other current applications, such as the map element from Snapchat and the common connections feature of many dating applications such as Tinder. However, Tinder focuses on the physical appearance of users in the area instead of their interests and careers, as well as being focused on relationships and dating. Our app focuses more on the intellectual pursuits of users, allowing them to forge deeper friendships, as well as professional relationships. Snapchat's "*SnapMaps*" shows a map of who is around you, but provides little information about them. Often times, it is only utilized to see who is around that you are already connected to, rather than those you could potentially meet.

Background (Backlog)

Functional - Web Stories

User Story	Estimate Hours
As a user, I would like access to have a sign in page, so that I can create an account and login. The login page will communicate with backend to verify usernames and valid password that are not taken.	13
As a user, I would like to be able to manually enter data about my social, and school life so that others can.	21
As a user, I would like to be able to link my Connec+ account to my Facebook account so that I can connect with people who have friends in common with me.	21
As a usef, I would like to be able to link my Connec+ account to my LinkedIn account so that I	21

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. This will require checking usability of Blackboards API to see if this User Story is possible.	21
As a user, 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.	21
As a user, 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.	21
As a user, I would like to be able to respond to a broadcast so that I can quickly ascertain their location and meet-up with them.	13
As a user, 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.	21
As a user, I would like to see a connections screen where nearby users of the app are visible so that I can connect with people nearby.	21
As a developer, I would to have test cases to check the functionality of the sign in page in the web app so that I can confirm the robustness and functionality of the sign in page.	5
As a developer, I would to have test cases to check the functionality of the broadcast feature in the web app so that I can confirm the robustness of broadcast feature.	5
Total	204

Functional - *Android Stories*

User Story	Estimate Hours
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 and login. The login page will communicate with backend to verify usernames and valid password that are not taken.	13
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.	21
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.	21
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.	21
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. This will require checking usability of Blackboards API to see if this User Story is possible.	21
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.	21
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.	21
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.	13
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.	21
As a user of the Android app, I would like to see a connections screen where nearby users of the app are visible so that I can connect with people nearby.	21
As a developer of the Android app, I would to have test cases to check the functionality of the sign in page in the web app so that I can confirm the robustness and functionality of the sign in page.	5
As a developer of the Android app, I would to have test cases to check the functionality of the broadcast feature in the web app so that I can confirm the robustness of broadcast feature.	5
Total	204

Functional - *Back-End Stories*

User Story	Estimate Hours
As a developer, I would like to implement a multitude of social media sources, so that we can connect our users in as many ways as possible.	13
As a developer, I would like to integrate FireBase, so that both our database, along with our authentication, are all in a single package. This will eliminate the number of dependencies our project has on outside sources.	21
As a developer, I would like to build a custom API to interact with all of our external services, so that our API keys will not be available to malicious end users.	21
As a developer, I would like to create an efficient sorting method to pull only the user data that is relevant, so that we decrease the load on both the server and the client.	21
As a developer, I would like to be able to connect users based on their Facebook connections.	13
As a developer, I would like to be able to connect users based on their Blackboard connections.	13
As a developer, I would like to be able to connect users based on their Instagram connections.	13
As a developer, I would like to be able to connect users based on their LinkedIn connections.	13
Total	128

Non-Functional

Topic	Explanation
Response Time	Dependent upon end user connection speed and specific request, but estimated to be 500ms from request to response.
Scalability	This app should scale indefinitely due to the inherent nature of web-apps, limited only by the resources we can purchase to host our app.
Usability	Emphasis will be put on making the project usable for every user, regardless of experience with similar systems. Input will be automated whenever possible, and information will be stored securely to alleviate concerns.
Security	All user information will be stored by Firebase, which is more secure than anything we can locally host, because it is backed up by a large tech firm with years of experience in security.
Data Usage	Limit data transfer of requests in order to avoid using a majority of a users data or flooding a wifi network.
Documentation	Documentation will be available in a help section in order to answer any possible questions or concerns with our project and how it works.
Platform Compatibility	Compatible with all web browsers as well as all Android devices. iOS compatibility will be added if time permits.