Sprint 4 Report

Campus Hive

3/11//25

**Actions to stop doing:**

* Writing tons of code without explaining the logic through documentation
* Merging pull requests to main without having multiple people review the code and give feedback
* Use more descriptive commit messages so it easier to know what kind of changes were made when reviewing a PR
* Add more cases of error handling such as console error messages so it is easier to know the root cause of any problems that occur

**Actions to start doing:**

* Follow a consistent automatic code formatter and/or refer to the style guidelines we set up to ensure all the different code files are formatted in a very consistent manner
* Hold dedicated debugging sessions so in case a sprint task is being buggy and scrapping it altogether, we could figure out a way to work on the issue together and make the feature a reality
* Create a PR checklist so when reviewing, it is clear to know if the code has passed certain guidelines and can be merged to main
* We should hold mock demo days on our own so we are confident in presenting our product to someone and to avoid any sort of issues that would happen real-time

**Actions to keep doing:**

* Consistent branching strategy to avoid merge conflicts
* Collaborating on problems and maintaining clear communication avenues
* Playing around with the UI/UX interface so the final product is more approachable from a user perspective

**Work completed/Not completed:**

**User Story 1**: As a user browsing the activity feed, I want to be able to tag other users, reply to specific users within the comment section, and delete comments. (2 points)

* Implement a tagging system (@username) in comments (3-4 hours) **✅**
* Add a reply functionality to nest comments under specific users (3-4 hours)
* Implement a delete button with backend validation for authorized deletion (2-3 hours) **✅**

**User Story 2**: As a user browsing the platform, I want to be able to select a university/college on the home page and set a radius of miles to view activities within that range. (2 points)

* Add a dropdown to select a university on the home page (2-3 hours)
* Implement an input field to set a radius filter for activities (2-3 hours)
* Modify backend queries to fetch activities within the selected range (3-4 hours)

**User Story 3**: As a busy event user, I want to be alerted when there is an interesting activity that was recently posted near me (3 points)

* Implement a notification system for new activities near the user (3-4 hours) **✅**
* Create a background job to check for new activities periodically (4-5 hours) **✅**
* Allow users to customize notification preferences (email, push, etc.) (3-4 hours) **✅**

**User Story 4**: As a user, I want to have a personalized profile where I can edit my password, have a profile picture, and edit other personal information regarding such a profile (3 points)

* Create a profile page with editable user information (3-4 hours) **✅**
* Implement password update functionality with validation (3-4 hours) **✅**
* Enable profile picture upload and update with secure storage (4-5 hours) **✅**

Work Completed:

Sprint Hours: 39 hours

