**Progress Report**

**- Increment 3 -**

**Group #3**

# Team Members

Name, FSUID, GitHubID:

Luke Baker, lb19d, lab2000man

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1. **Project Title and Description**

Title: Canvas Cal/Student Companion. Goal of CanvasCal is to create a website acting as a Calendar/ Planner for students. It will feature a sign in option and on the main display will have a calendar/planner with students’ classes, assignments, and extra items displayed. It will also have extra pages for groups and messaging, and display To Do Tasks and recent messages. It will also connect to the Canvas API to have up to date information for each student and will keep also data related to the student/ page on a database.

1. **Accomplishments and overall project status during this increment**

The two major accomplishments this increment were related to improving the calendar design and significant progress with the database side of the project. Andrew was the contributor to the calendar design and improvements, and this increment he added the ability to add and display events on the calendar. This was a significant improvement over last increments version of the calendar which would only display dates. There were also a few other visual improvements to the calendar. Along with this last increment the calendar would not be displayed correctly inside the main page, but this increment it was able to be displayed correctly, though there were still some issues. As for the database this increment the basic database was designed by Arturo who also added the corresponding forms to allow a user to sign into the main page through the sign in page. Luke also added forms to create new user accounts on the new create account page as well as to edit existing user accounts from the user’s settings page.

This being the third increment the project is finished and overall, we did not accomplish as much as we had originally hoped to at the beginning of the semester. The biggest changes in scope were the fact that the Canvas API element was never able to successfully work and seeing as this was a major objective this is upsetting. We also were not able to implement a texting service, but this was a lower priority objective and is not as upsetting. Finally, the groups and messaging services were not able to be implemented as we needed additional work done on the database to have gotten to that point. Overall, the project as is would act less of a student companion connecting to canvas and reminding users/ allowing them to message classmates, and more of a smaller scale planner/ calendar for users.

1. **Challenges, changes in the plan and scope of the project and things that went wrong during this increment**

Similarly, to last increment overall workload was another major hurdle to overcome. Everyone was once again extremely busy with midterms and finals just around the corner. Along with this the groups lack of database exposure proved to be another significant issue. Luke and Arturo were the two main members to contribute to the database component of the project and Arturo is currently in the databases class, but Luke had never worked with databases before, so the overall experience with databases was quite limited. This meant a large portion of time had to be dedicated to reading about databases as well as their specific implementation using SQLAlchemy for the project and how they interacted with Flask. This took a large amount of available time away from being able to code, but it was necessary as without it no progress would’ve been made in that department.

For changes in scope this was touched on earlier, but again the largest decrease in scope was that we were unable to get our interactions with Canvas working, as well as some database features are missing being database storage of events and groups not implemented.

1. **Team Member Contribution for this increment**

Luke: Typed/sections 1-7 of progress report. Typed requirements and design document. Typed implementations and testing document. Provided HTML, CSS, and Python flask code for the new Create Account page. Also redid code and added python forms for the settings page, modified sign in page, and worked on formatting calendar to fit correctly when displayed on main page. Added forms in Python to enable new users to be able to be entered into the database as well forms to edit user settings, these were also connected to the respective pages. Contributed to video

Arturo: Provided more Python Flask code to connect pages to the actual HTML and CSS elements. Worked on building the database for the project and designed the structure of database used. Created forms to sign a user into the website by interacting with the database. Contributed to video.

Brandon: Contributed to video. Working on Canvas API and importing assignments.

Jossue: Uploaded files for Add Event and Schedule Study Time web pages including accompanying HTML. Contributed to video.

Andrew: Continued to improve design for calendar created last increment. Improvements include visual improvements, and most importantly the ability to select a specific day on the calendar and add an event to this day through a pop up interactable. Helped fix formatting issues involving the calendar being embedded into the main page. Contributed to video.

1. **Plans for the next increment**

No plans for next increment as this is the last increment! We were unable to reach all of our goals this semester and anything’s listed on the last progress report that we were unable to get to would’ve been great targets for an “Increment 4” if we had additional time!

1. **Link to video**

<https://www.youtube.com/watch?v=s2JAjK96-fY&t=8s>

Note: due to an error with filming part of the calendar was cut out of frame! At the end of the video is an added clip highlighting the feature that would’ve been displayed in the middle portion of the video showing off the calendar’s add event feature.