**Progress Report**

**- Increment 2 -**

**Group #3**

# Team Members

Name, FSUID, GitHubID:

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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**

One major accomplishment this increment was setting up all of the key webpages HTML and CSS. Now that all the webpages are done, we can more easily spend time working on the database side and have a better idea of everything that needs to be added to the database. Another major accomplishment was designing and implementing the GUI interactable calendar on the Main Page. This is the focus of the project so having a working version set up is a huge accomplishment for the project. Finally, the other major accomplishment this iteration was connecting most of the webpages to the Flask backend so that most pages are loading and functioning properly and so now it should be easy to implement the database and connect it to the existing pages and Python code. There has also been good progress with the Canvas API, but it is still in a state where it is ready to be implemented.

Currently the project is in a good state. The webpages and calendar have been designed, are functioning, and are connected to the flask/ Python backend so a lot of the visual work is done. The biggest thing missing in the current state is the database side of the project which will be the focus of increment three.

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

The biggest challenge this increment was workload. Almost every group member said they had a very rough increment in terms of workload with other classes as well as midterms. Finding time to devote to the project was difficult for most people. Along with this the next biggest challenge is that no group members have good exposure to database design and implementation. A few of us know basic SQL, but designing the database is something none of us are very familiar with so to get around this hurdle we have tried to develop the rest of the project leaving the database design for increment three where hopefully now that the main pages are designed and functioning it should be a reasonable task for a few members to work together on and solve the issue. So far there are no changes in scope of the project, although depending on the difficulty of the database design and implementation the scope may decrease in increment three based on which functional requirements were ranked as low importance. One thing that went wrong this increment was that due to issues with Flask when designing the webpages, the way that switching between pages and other features involving Javascript normally work does not translate very well and so some features were working before adding the flask, such as the sign in page, but are now not working as intended. This issue will be resolved soon as now that most webpages are designed it should be a quick process to fix the few issues that arose from connecting to Flask.

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

Luke: Typed/sections 1-4, 6, 7 of progress report and contributed to section 5. Typed requirements and design document. Typed implementations and testing document. Provided HTML, CSS, and Javascript code for Sign In, Groups, and Settings HTML pages. Contributed to video.

Arturo: Provided Python/Flask code to connect Python to webpages and improve webpage functions. Contributed to video.

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

Jossue: Working on HTML, CSS, and some components of the calendar interactable. Was at work and unable to contribute to video when filmed.

Andrew: Designed and implemented the HTML, CSS, and Javascript to get working version of the main Calendar Interactable on the Main Page. Contributed to video.

1. **Plans for the next increment**

Our main plans for the next increment are as follows:

* Setup Database backend for storing user data.
* Finish interactions with Canvas API and connect data from canvas to our own Database backend
* Finish polishing the Calendar Interactable with Icons for what events are on each day and any additional details desired.
* Rework Javascript code for Sign-In Page to work with Flask and fix any other Flask issues with the webpages
* Once database is set up add relevant sections to existing webpages to implement features currently missing, such as the groups and messaging section.
* Develop way to add events to calendar and add to database.
* Implement automatic study-time scheduler.
* Move on to low priority functional requirements and complete as time allows.

1. **Link to video**

https://www.youtube.com/watch?v=7FwfvYONX6I