

Progress Report

- Increment 3 -

Group #20

1) Team Members

- **Brady Henderson**
 - **FSU:** bth21a
 - **GitHub:** bradyhendu
- **Ryan Fontaine**
 - **FSU:** rf20f
 - **GitHub:** RyanF02
- **Chelsea Mensah**
 - **FSU:** ckm20a
 - **GitHub:** Chelzvea
- **Sebastian Metellus**
 - **FSU:** sem20d
 - **GitHub:** smetellus01
- **Nevin Ramjitsingh**
 - **FSU:** nr21u
 - **GitHub:** nevinramjitsingh

2) Project Title and Description

Paw-Plan: Doggy Calendar

In the world today, many of us are constantly on the go. Whether with work or school, adding a dog into the mix can be a lot to juggle all at once. Having a schedule and a list of things to check off as the day goes on can help eliminate some of the stress that comes with it. The motivation for this project is to help dog parents keep track of all the responsibilities and tasks that come with owning a dog.

You can schedule when your dog needs to be walked, fed, or any activity your dog could do and paw-plan will send a notification based on the selected times. The notifications will be categorized and specify if it is a walking reminder, a meal reminder, a vet appointment reminder, a park/play date reminder, and other potential categories to be decided later. You can also decide when you want the notifications to be sent.

3) Accomplishments and overall project status during this increment

In this increment, we have finished our web application. The biggest change in this increment was switching over to Firebase to handle our user authentication and data management. With Firebase we were easily able to create users for our application and store a dog and event array with the user.

Then, we linked the pet registration page to the cloud firestore and allowed users to save their dogs, and we also linked the dashboard so the user's event could be stored and retrieved whenever the dashboard was reopened. We also created the Dog House, which allows users to scroll through each dog that they own. We also did a front-end overhaul with some pages to make it appear more modern and up-to-date. We also found a free service to host our web app.

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

The biggest challenge so far has been issues with the APIs we are using and learning the libraries we need to complete this project. We also were having trouble hosting our web app when we were using SQLite, which is the reason we had to change to Firebase so close to the end.

Another challenge is time management since many of us have busy schedules, especially leading up to finals week, and finding time to work on the niches of the project is hard. We have been dedicated to meeting at least once a week to share progress and figure out everything we need to complete a project.

5) **Team Member Contribution for this increment**

- a) the **progress report**, including the sections they wrote or contributed to
 - i) Brady Henderson - Contributed to all sections, wrote 2-4, 6.
 - ii) Everyone contributed to their individual names and contribution sentences.
- b) the **requirements and design document**, including the sections they wrote or contributed to
 - i) Chelsea Mensah: Use case diagram and operating environment
 - ii) Ryan Fontaine: Worked on 1,2,3,5,7
- c) the **implementation and testing document**, including the sections they wrote or contributed to
 - i) Chelsea Mensah: Contributed to the non-execution-based testing
 - ii) Brady Henderson: Contributed to Execution Based Testing (Functional and Non-Functional)
 - iii) Nevin Ramjitsingh - Contributed to backend pet registration endpoint and frontend user linkage, and led thorough testing for seamless integration
 - iv) Sebastian Metellus- Wrote about the FullCalendar API and contributed to #2
 - v) Ryan Fontaine - Wrote about the Axios, SQLite, and bcrypt API
- d) the **source code** (be detailed about **which** parts of the system each team member contributed to and **how**)
 - i) Brady Henderson - Handled the switch to Firebase, revamped the front end in the pet registration and the dashboard to appear more modern, and created the Dog House to allow users to see all their stored dogs in their dog's array. Handled the hosting of the website.
 - ii) Sebastian Metellus - Designed and implemented Dashboard with calendar using FullCalendar API documentation and scripts. Also developed basic framework for interaction with adding 'Add Event' and 'Delete Event' functionality on the FullCalendar API. Created local storage database to hold User events.

- iii) Nevin Ramjitsingh - Created a new backend endpoint in petRegistrationController.js for efficient pet registration. Modified the frontend's 'RegistrationSection' to link pet registrations with users' identifiers. Conducted extensive testing to ensure correct user-pet associations. Enhanced overall app functionality and user experience through these updates.
- iv) Chelsea Mensah- updated the pet registration page with working submission button, and brady helped me implement a user friendly page.
- v) Ryan Fontaine - Added back end server handling HTTP requests via the Axios API. I also updated the Login.js and Registration.js components to send POST Requests to the authentication controllers.
- e) the **video or presentation**
 - i) All members included in the video presentation

6) Plans for the next increment

By the next increment, we would like to have a fully finalized website hosted on a website. In order to get there we need to finish the dashboard and allow user's to set up a schedule for their dogs. We also need to ensure that the login/register functionality works on the website we host it on. We also would need to set up a notification system based on the calendar.

7) Link to video

[SE Capstone Group 20: Increment 3 Video](#)