

Sprint 2 report

Main objectives of the sprint

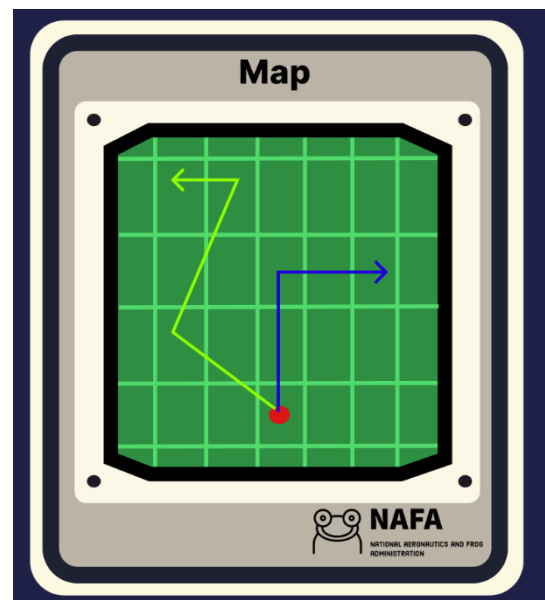
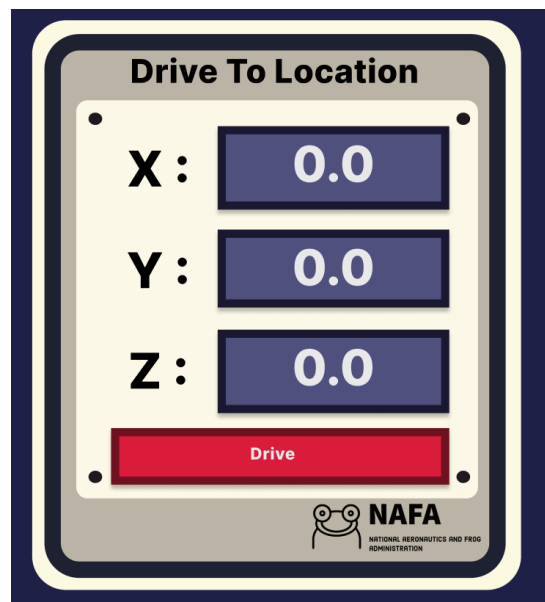
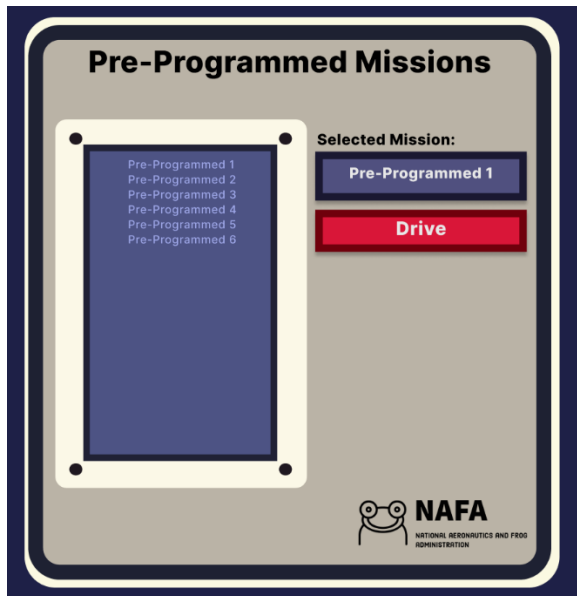
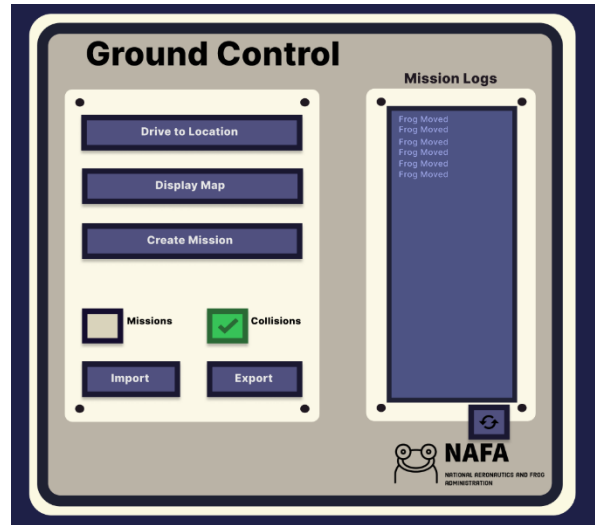
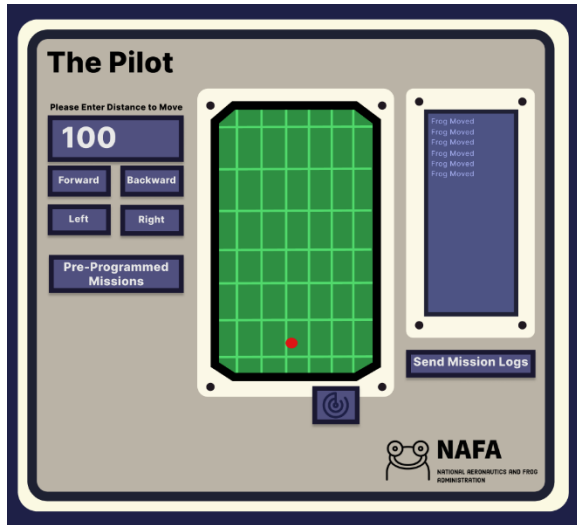
For Sprint 2 our objectives were to structure the code in our repository, we also wanted to create wireframes so we can visualize our objectives. In this sprint we had a new member of our team and one of our main objectives was also to start migrating his code into our repository. We wanted to be able to get the data from the frog (collision points and current location) so we can start working on the collision avoidance and automatic driving. In this sprint we wanted to have the mission log panel working and to have import and export data. And the last important goal we had for this sprint was to create the map for the ground control.

Design decisions

In this sprint we were able to refine what our finished product will look like, so we made changes to both the structure of the applications and the way they communicate. For starters we decided that it will be a better alternative if we set the Pilot application as our main server and have the ground control and the Frog be its clients unlike in the previous sprint where both Ground Control and Pilot were servers. We changed this because we concluded the previous design it would over complicate the communication between the 3 entities and because we found a more efficient way of communication without mixing the messages even if the pilot is the only server. The way we solved this issue was by developing our own HTTP request where we say if the message has certain parameters that means it is talking to the specific client. So, if the message sent by the server has GC in it means it is sending a message to the Ground Control.

Another decision we made this sprint was to remove the Pilot map since there were no requirements that specifically said we needed one. Also with regards to the map the ground control map will no longer display the prerecorded missions

Wireframes



Backlog

▼

status in progress

7 29

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⚙

Create DB design

#4 📅 Tomorrow 🔔 5

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RFS-03 Execute pre-programmed missions

#6 📅 Tomorrow 🔔 5

🌀

Create the wireframes for the UI

#13 📅 Tomorrow 🔔 5

🌀

RFU-01 Manual control

#9 📅 Tomorrow 🔔 5

🌀

RGU-04 Create Preprogrammed missions

#14 📅 Tomorrow 🔔 5

🌀

Write the Sprint Report

#15 📅 Tomorrow 🔔 2

🌀

Wwrite the POA and team aggrement

#12 📅 Tomorrow 🔔 2

🌀

Sprint Retrospective

Sebastian

What went well?

We have discussed almost the whole project and gone through everything we need to. Things are a lot more clear than previous.

What didn't go well?

We should have done all of this much sooner, however, we have structure now which is lovely.

What can we improve?

Everything can be tracked a little more closely and responsibility for individual tasks)

Hai Ha

What went well:

Communication is great, everybody discusses intensively until we are clear of the differences and the tasks that need doing. Git usage and version controlling was also good, most members are competent with this.

What did not go well:

This group was plagued with retakes, so overall progress was a bit slow. We could have also meet more in person in classes.

What can we improve:

We can spend more time working on the project on next sprint to make up the current progress.

Viviana

What went well?

We have revisited the issues we have encountered in the previous sprint and found solutions to them. More specifically, we cleared up the confusion about the tasks related to programming the ground control and pilot. To do this most of the project was restructured and we went over each individual task with all of the members, paying closer attention to the wireframes, requirements and use case scenarios, doing a smarter assignment of tasks.

What did not go well?

Role confusion, unclarity about how to split tasks regarding documentation. Previously some documentation tasks were taken up without any previous agreement which caused some tension as the members felt compelled to take the tasks up.

What can we improve?

Identifying tasks regarding documentation and assigning them to members that volunteer to take them on. More frequent communication, standups, etc.

Veci

What went well?

More in-depth discussion and clear understanding to what needs to be done for each task and clearing up any issues were present.

What didnt go well?

Tasks assigned to individuals presented issues as some takes where overlapping with multiple members.

What can we improve?

Getting tasks done effectively assigned to per person

Yani

What went well?

We were able to clarify our main objective and individual specific tasks.

What didn't go well?

People finishing their tasks on time or at least for the sprint. There was a lot of confusion as well for the individual tasks and that definitely played a role in missing our sprint objectives, however I do see that the bigger issue was the retakes most of my teammates had to do and the huge lack of communication between team members.

What can we improve?

A minimum of 2 meeting per week will hugely improve our performance, setting up deadlines for the individual tasks and clearly stating and understanding each others responsibilities.

Omar

What went well?

We were able to communicate better and arrange meetings easier.

What didnt go well?

We had others exam and as such not much work was completed.

What can we improve?

Gitlab can be quite confusing