

Progress Report 7 DP-37

Project Title: Decentralized application to lock NFTs.

Names, Student IDs, Emails:

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Project Advisor:

Dr. Majid Babaei, McGill - Faculty of Engineering (majid.babaei@mcgill.ca)

Group Meetings/Meetings with Advisor:

Meeting 14 (Students): March 9th:

- Set up our testing wallet with NFTs
- Discussed finalizing our smart contract design
- Started developing our smart contract
- Split up tasks for finishing the frontend and smart contract

Meeting 15 (Students): March 16th:

- Testing our smart contract
- Finalized our frontend
- Split up final technical tasks for integration and styling of our application

Meeting 16 (Students and Advisor): March 27th:

- Demoed our application
- Got advice from the advisor on what information should be included in the poster and informed him of the dates of the Design Day
- Discussed what went well and what did not

Meeting 17 (Students): March 30th:

- Finalized our poster and proofread it to make sure everything is in order
- Printed out the Poster in CopiEUS
- Discussed feedback from the professor

Recent Progress:

Since the last progress report, we have had immense progress as we have a complete working version of our application. We have developed, tested, and deployed our smart contract on the Ethereum test network. Moreover, we have added the unlocking section and restyled our frontend app to be even more intuitive. We have also finished integrating our smart contract into our frontend. Finally, we thoroughly tested the final application, and everything worked smoothly, and we did not encounter any issues. We have also reflected on what went well and what we could have done better in terms of communication, time management, and technical development throughout the year. Overall, the team has made significant strides in the development of the application since the last progress report, and everyone's efforts are commendable. We are glad and proud to have a working product to show at the end of our Capstone Project at the Design Day presentation.

Future Plans:

As the semester is coming to an end, our following report is the final report. From now until the final report, we will be working on the final touches of our user interface, which include making the colors a tiny bit less flashy, the overall flow, and ensuring there are no significant errors. Additionally, we are finishing our poster presentation as well as updating our final report to reflect our most recent changes and developments. We are expected to finalize the poster presentation by Monday, April 3rd as well as complete our final report by Monday, April 10th. Apart from that, there are no other significant plans since we are close to the finish line and look forward to finalizing what we have worked on for the entirety of the last two semesters.