

Progress Report 4 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 9 (Students): January 12th:

- Brief meeting after the break
- Discussed what is left to do in the project and reminded ourselves of the progress we have already completed
- Went over supervisors feedback from Mid Project Report

Meeting 10 (Students): January 19th:

- Discussed the mid-project and design day poster presentations
- Informed our supervisor about the mid-project presentation and discussed an available date for it
- Discussed additional learning opportunities about smart contracts so that we are all able to create one
- Briefly went over our project timeline and deliverables to make sure everyone is on the same page and knows what is coming

Recent Progress:

So far this semester, we have discussed what we have left to do for the upcoming months. We have all started to learn solidity programming by watching youtube videos and finding other resources available. We have been focusing on learning solidity at a basic level, just learning the fundamentals in order to create NFTs, which we will use for testing with our final smart contract and application. We have begun discussing our mid-project presentation and have allocated time to work on our PowerPoint and practice for our presentation.

Future Plans:

For the following progress report, we are planning to have all learned how to successfully create and deploy an NFT smart contract, as well as minting our very own set of NFTs to be used for testing. We will each be responsible for creating our own NFT smart contracts and NFTs. A realistic timeline for us to finish learning how to create NFTs is Friday, February 3rd. Finally, we expect to deploy and set up our application to actually read NFTs we own rather than having hard-coded random Ethereum wallet NFTs shown the following week. With this timeline in place, it allows us time to prepare for our presentation without being tight on time.

Lifelong Learning (1 page max):

For this semester, we will mainly be focusing on learning about coding and deploying NFT smart contracts, as well as minting our own NFTs. This will be done primarily through the use of online video tutorials and articles that will help us further our understanding of how the whole thing works.

In addition to technical skills, we will also have to brush up on our presentation skills because, throughout the semester, we will be doing several presentations to explain, showcase and demonstrate our project.

Everything we have self-learned so far has helped massively in our project. From understanding the entire technology to mastering the tools needed to utilize this technology, we have relied mainly on self-learning to accomplish our progress thus far.

Throughout this project, we have had to hone our time management skills in order to keep the project moving forward and to respond quickly to difficulties that could arise. Additionally, we have had to delegate all of the team's tasks – this is an essential facet of working together, as every team member has different strengths and weaknesses, and we have found that dividing the work between us has allowed us to maximize the strength of our project. We believe that we can all learn from each other in this way.