

9th July 2022

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FYP-22-S3-11 Identifying cryptographic functions in Blockchain systems

Overview

Had our first meeting with supervisor and meeting a separate meeting within ourselves. Able to identify what we are good at and working on as a team to complete current work and future work.

Work completed

Team profiles:

Getting each team member's availability, strength and weaknesses

Project Source Control:

Using Github as our team's source control.

Link: <https://github.com/FYP-22-S3-11/FYP-22-S3-11.github.io>

List of Completed Work Items/Activities:

Sno	Work Item	When completed	Comment
1	Project Source Control	9th July 2022	Team members are comfortable with Github as source control

Current Work

List of Current Work Items/Activities:

Sno	Work Item	% completed	Expected Completion Date
1	Team profiles	90%	<p>Most of team members are not familiarise with cryptography.</p> <p>Team members are able to code in Python</p> <p>Daryl Avail: Sch on Tues and Sat, generally free at night (mon,thurs,fri,sat,sun) - Strengths 1. some knowledge about blockchain 2. presentation 3. report writing - Weakness 1. Not very strong in the coding side</p> <p>Min Zhan Avail: Sch on Mon, Tues, Fri and Sat (mostly morning), generally free from evening till late night (everyday) - Strengths 1. Knows fair share on cryptography 2, Report writing 3. Programming 4. Software eng exp - Weakness 1. Not sure about blockchain that much</p> <p>Terence Avail: School on Thurs and Sat, generally free from afternoon to night (every other day)</p>

			<p>- Strengths</p> <ol style="list-style-type: none"> 1. Front end 2. Design 3. able to learn on the go 4. report writing <p>-Weaknesses</p> <ol style="list-style-type: none"> 1. Back end <p>WeiChern Low Avai: Taking 361 & 368 this sem. My schedule is all over the place but usually Monday and Friday MOB MANNING period (1 day activation): 27/09/2022 - 08/10/2022</p> <p>Strengths</p> <ul style="list-style-type: none"> - Presentation - Not very good in Coding but I did a Java prototype for 214 (because my teammate screwed up) - Was in charge of the Java Prototype in 314 (Finished the program but focused too much on making it work, then didnt do encapsulation properly) - Took the Python Elective - Report <p>Weakness</p> <ul style="list-style-type: none"> - Only taking 361 this semester - Took this FYP Topic because I hate scammers on the blockchain - Failed 251 before
2	Setting up project's website	50%	23rd July 2022
3	Literature Review	20%	23rd July 2022
4	Gantt Chart	Ongoing Task	
5	Documentation	Ongoing Task	

Future Work

Finish literature review and gather even more information.
Consult with the project advisor on our materials and understanding of the blockchain.
Clarify our requirements of our program deliverables.
Plan on the scope of our prototype and program.
Generate the User Stories based on our plans for the functionality of our prototype and program
Get approval for the User Stories and our planned functionalities.
Begin prototyping and moving into the development phase.

Problems Encountered

Not all team members are well versed in Cryptography and the Blockchain technology.
Currency our knowledge about Cryptography and Blockchain are at the level of being General Knowledge.
A whole lot more in-depth research and information gathering are required.
The team is taken aback that the chosen topic is identified as one of the hardest of the list of possible topics for the project.

Overall Assessment

This has been an average start for this project.

The team is still adjusting to the start of the Final Year Project as well as the new subjects for this semester.

Overall progress has been made with the commencement of this project but as a team, we must break new ground by accomplishing further forays into the blockchain as most of the team members have little exposure to this topic and have much to learn.

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