

16th October 2022

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

Overview

Python script which will detect the dominant crypto fn(Python provides us packages to find the most dominant fn. It basically creates multiple matrices for each fn and detect the dominant fn).

For getting the info(i.e category,libraries api, meta-info regarding the fn algo) we'll be creating a static data-set which will contains all the packages names and libraries. Through the dataset we'll find out which libraries and categories are used.

Work completed

Improve script detection capability
Information gathering for libraries API

List of Completed Work Items/Activities:

Sno	Work Item	When completed	Comment
1	Python script detection (Enhancement)	15th October 2022	
2	Information gathering for libraries API	15th October 2022	

Current Work

List of Current Work Items/Activities:

Sno	Work Item	% Completed	Expected Completion Date
1.	Urgent: Adding “Dominance” branch	50%	23rd October 2022
2.	User functionality E.g. File uploads, user functions	20%	30th October 2022
3.	Performance & Security analysis of web functionality	10%	30th October 2022
4.	Summarisation of output into a graph for UI/UX	0%	30th October 2022
5.	Warning and Error handling for File Upload functionanlity	0%	30th October 2022
6.	Documentation of project	0%	12th November 2022

Future Work

Future work consists of implementing/enhancing user functionality on the web browser and the performance and security analysis of web functionality. Followed by creating a graph which represents all the output for better UI/UX experience. Will be starting documentation of the project along side with error checking for file upload

Problems Encountered

Time constraints as such functionality requires more time to create as well as debugging any possible errors.

Overall Assessment

Slowly moving towards the Testing and Deployment phase in the SDLC. However time maybe against us.

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