Team 8 Inception Review

CSE 6324 - 001, Fall ’23, UTA

Abhishek Wadhwani, Nitin Raj Thumma, Mounika Kottapalli, Sai Raghu Rami Reddy Dontireddy.

{1002035719, 1002080555, 1002085510, 1002014523}

{axw5719, nxt0555, mxk5510, sxd4523}@mavs.uta.edu

Issues

Inadequate Risk Management Plan

- Finder: Abhishek
- Severity: Major
- Defect Type: Planning Gap
- Class: Missing
- Description: While the report identifies potential risks in the "Risk Management Plan" section, it lacks concrete mitigation strategies for these risks. It mentions risks related to technical challenges, resources, and scheduling but does not provide detailed plans to address these risks.

Maintaining the core ability

- Finder: Nitin Raj Thumma
- Severity: Minor
- Defect Type: Development Plan
- Class: Missing
- Description: The idea of integrating Gas Gauge and working on with slither sounds simple but has seem to have a lot of maintenance problems. Since it requires on going development process, this can divert resources from improving slither’s core statistical analysis to increasing issues in security.

Tool Overlapping

- Finder: Nitin Raj Thumma
- Severity: Minor
- Defect Type: Development Plan
- Class: Missing
- Description: Since there are many features already available in-built to the slither framework it is not ideal to work on a new adding feature which already exists such as Etherscan’s Gas Tracker and Ethereum Wallets.

Insufficient Competitors Information

- Finder: Mounika
- Severity: Minor
- Defect Type: Design Flaw
- Class: Missing
- Description: The competitors were explained with their features itself but not with the comparison with the features which were mentioned in the document.

Lack Of Specification

- Finder: Raghu
- Severity: Minor
- Defect type: Design Flaw
- Class: Missing
- Description: In the vision, it is stated that the main vision of the project is to use Slither to build a unified tool that will detect excessive gas usage and find inefficient codes that waste gas by merging two other tools. It mentions combining functionalities from different tools but lacks detailed explanations of how it will be done.

Risk Prioritization

- Finder: Raghu
- Severity: Minor
- Defect type: Risk Assessment
- Class: Wrong
- Description: The statement under the could have (MoSCoW prioritization) states, "The tool will be able to find out inefficient code, suggesting alternative coding strategies could be used". It is mentioned as one of the tool's key features that the tool is to analyze and detect inefficient code, which is a must have feature that does not match the Moscow requirement categorization.