**Senior Project Weekly Status Report**

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**Project Title:** Mutest

**Project Description:**

Design and implement a tool that introduces controlled mutations into Python source code and reports a mutation to evaluate the effectiveness of the test suite.

**Technologies Used:**

Git, GitHub, pytest, AST (Abstract Syntax Trees).

Programming Language**:** Python.

**GitHub URL:** <https://github.com/vinniciuscastro/Senior-Project>

**Week 2: 9/27/25**

Overall Status (on-schedule, behind, ahead): Behind

Number of hours worked this week: 6 hours

Total number of hours worked on the project thus far: 12 hours

Number of total hours anticipated at completion: 117 hours

Accomplishments: Create project proposal after project idea being approved. Further research and test existing similar tools (MutPy). I started researching AST.

Challenges: My biggest challenge this week was the amount of time spent in the proposal and the amount of written work for another class, so I need to better manage my time to stay on track.

Plans / Goals for next week: Prototype a tiny mutation and document my progress.

SPED Talk Insight (Briefly describe an insight or something interesting you learned from the SPED talks this week): N/A

Other comments for the instructor: