CS491 – Autonomous Vehicle Design

Engineering Notes No. 13.1

INFORMATION

NAME: Serena Conticello

DATE: 04/02/25 - 04/08/25

Sprint: 13

JIRA BACKLOG

Responsible for:

- Plan out AI and neuroevolution scope of project

Contributed to:

- Determine Final Requirements for End of Semester
- Work on detailed breakdown of test cases
- Contribute to Final Test Plan

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RESOURCES & DOCUMENTS CONTRIBUTED TO

Table 1 - Contributions

Date	Resource/Document	Location	Contribution Description
n/a	Engineering Notes	GitHub	n/a
Sprint 13	Final Test Plan	OneDrive	General changes, section 5

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COMPONENTS TESTED

Table 2 - Testing

Date Tested	Component	Result	Comments
04/03/25	Scenic-Sumo	Ran without error	n/a

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PROBLEMS SOLVED

Table 3 - Solutions

Date	Problem	Solution & Notes
04/08/25	VerifAI	Get VerifAI installed

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PROBLEMS TO ADDRESS NEXT

Table 4 – Future Problems

Problem	Description
Increase font size on diagram	Serena needs to increase the font size for the flow chart diagram
AI model operational	Get it running.
Map Generation	Figure out how to get a .net.xml file that works, or stick with current curvy road implementation

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MEETING NARRATIVE NOTES:

Table 5 – Meeting 1

04/03/25	Meeting Type: Class
Met with Product Owner(s): N	
Problems Brought Up:	
Problem	**Proposed Solution**
Other Items Updated on:	
Final Test Plan due on the 04/15/2025 Poster due on the 04/21/2025 10 minute video due on 04/24/2025 Isabella and Davian are going to work on test cases	
Additional Notes:	

Table 6 – Meeting 2

04/08/25	Meeting Type: Class
Met with Product Owner(s): N	
Problems Brought Up:	
Problem	**Proposed Solution**
Other Items Updated on:	
I got VerifAI installed onto the machine and almost broke everything. I added to the notes.txt file on the lab PC regarding my mistake and my fix. There is a dependency upgrade issue if you install VerifAI (new version) and it auto updates the dependencies. Make sure to install with no dependency updates, or if you accidentally do just redo the main scenic-sumo file.	
Additional Notes:	

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NOTES:

Trying to figure out how to implement VerifAI now.