CS491 – Autonomous Vehicle Design

Engineering Notes No. 14

INFORMATION

NAME: Serena Conticello

DATE: 04/16/25 - 04/24/25

Sprint: 14

JIRA BACKLOG

Responsible for:

- Set up VerifAI

Contributed to:

- Work on detailed breakdown of test cases

CS491 – Autonomous Vehicle Design

RESOURCES & DOCUMENTS CONTRIBUTED TO

Table 1 - Contributions

Date	Resource/Document	Location	Contribution Description
n/a	Engineering Notes	GitHub	n/a

CS491 – Autonomous Vehicle Design

COMPONENTS TESTED

Table 2 - Testing

Date Tested	Component	Result	Comments
04/17/25	Scenic-Sumo VerifAI	Falsifier import runs without issue now	Not a full implementation yet
04/22/25	Scenic-Sumo VerifAI	Can't get falsifier to connect to Scenic-Sumo	n/a
04/24/25	Scenic-Sumo VerifAI	Falsifier is listening	

CS491 – Autonomous Vehicle Design

PROBLEMS SOLVED

Table 3 - Solutions

Date	Problem	Solution & Notes
n/a	Increase font size on diagram	Serena needs to increase the font size for the flow chart diagram

CS491 – Autonomous Vehicle Design

PROBLEMS TO ADDRESS NEXT

Table 4 – Future Problems

Problem	Description
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

CS491 – Autonomous Vehicle Design

MEETING NARRATIVE NOTES:

Table 5 – Meeting 1

04/17/25	Meeting Type: Class
Met with Product Owner(s): N	
Problems Brought Up:	
Problem	**Proposed Solution**
Other Items Updated on:	
I got the falsifier working for import and general set up, I just had to fix a dependency issue and the errors went away.	
Additional Notes:	

Table 6 – Meeting 2

04/22/25	Meeting Type: Class
Met with Product Owner(s): Y	
Problems Brought Up:	
Problem	**Proposed Solution**
Other Items Updated on:	
I stayed late at MicaPlex because I almost got through with fixing issues. Did a lot of bug hunting in several dependencies. Most of it is noted in notes.txt in the micaplex pc.	
Additional Notes:	

CS491 – Autonomous Vehicle Design

Table 7 – Meeting 3

04/24/25	Meeting Type: Extra/Presentation
Met with Product Owner(s): N	

Problems Brought Up:	
Problem	**Proposed Solution**

Other Items Updated on:
Hannah and I spent 10 hours in the Micaplex trying to figure out what was wrong and get everything working. Got some items running, but ultimately, we had less than a month, only 2-3 weeks to get this working after a major project revamp. I was able to get the falsifier ready and it listens for input, and I am got our add on to get simulator data from scenic-sumo.

Additional Notes:

NOTES:

End of notes.