

Engineering Notes No. 12.2

INFORMATION

NAME: Serena Conticello

DATE: 03/26/25 - 04/01/25

Sprint: 12

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

RESOURCES & DOCUMENTS CONTRIBUTED TO

Table 1 - Contributions

Date	Resource/Document	Location	Contribution Description
n/a	Engineering Notes	GitHub	n/a
Sprint 12	NE Plan	OneDrive	Plan for NE implementation
Sprint 12	Final Test Plan	OneDrive	General changes, section 5

COMPONENTS TESTED

Table 2 - Testing

Date Tested	Component	Result	Comments
03/27/25	Scenic-Sumo	Installed	Was able to install based on specifications from Quentin's repo

PROBLEMS SOLVED

Table 3 - Solutions

Date	Problem	Solution & Notes
n/a	n/a	n/a

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.
VerifAI	Get VerifAI installed

MEETING NARRATIVE NOTES:

Table 5 - Meeting 1

03/27/25	Meeting Type: Class
Met with Product Owner(s): Y	
Problems Brought Up:	
Problem	Proposed Solution
Other Items Updated on:	
<p>ScenicSumo was installed with the help of Quentin!</p> <p>From OneNote notes:</p> <p>"</p> <p>SUMO files are dependent on specific maps. SUMO comes with a built in map generator, need to design and create the scenario cases.</p> <p>Can import files from .OSM</p> <p>Read up on Quentin's publications about ScenicSumo</p> <p>Plan to implement VerifAI with ScenicSumo to automate the test cases</p> <p>Review the examples folder for ideas.</p> <p>CurvyRoad map resembles ERAU campus</p> <p>"</p>	
Additional Notes:	
Quentin is now a product owner since we are using ScenicSumo for sure.	

Table 6 - Meeting 2

04/01/25	Meeting Type: Class
Met with Product Owner(s): Y	
Problems Brought Up:	
Problem	Proposed Solution
Map Generation	Figure out how to get a .net.xml file that works, or

	stick with current curvy road implementation
Other Items Updated on:	
<p>From OneNote notes:</p> <p>"</p> <p>Showed Akbas the videos, Map is generated, but needs to be implemented (AFAIK) Maps are .net.xml files</p> <p>Final Test Plan is due two week from today, going to need quite a bit of revisions</p> <ul style="list-style-type: none">- Likely mostly cutting out the PolyVerif components and replacing it with QSS.- We can focus on actually testing simulations now <p>"</p>	
Additional Notes:	

NOTES:

It is going to be tough to change everything this late, so we will be trying our best in consideration of other items we much achieve before graduation.