CS490 – Autonomous Vehicle Design

Engineering Notes No. 3.2

INFORMATION

NAME: Serena Conticello

DATE: 10/22/24 - 10/28/24

Sprint: 3

JIRA BACKLOG

Responsible for:

- Get Dual Boot Ubuntu on Serena's Laptop

Contributed to:

- Engineering Notes 3

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RESOURCES & DOCUMENTS CONTRIBUTED TO

Table 1 - Contributions

Date	Resource/Document	Location	Contribution Description
sprint	Personal Engineering Notes	One Drive & GitHub	Completed engineering notes
10/22/24	SRS	One Drive	Basic content

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COMPONENTS TESTED

Table 2 - Testing

Date Tested	Component	Result	Comments
n/a	n/a	n/a	n/a

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PROBLEMS SOLVED

Table 3 - Solutions

Date	Problem	Solution & Notes
10/24/24	Intersection	Modeling Cylde Morris and Welcome Center intersection for project.
10/24/24	Timeline	Timeline created for documentation.

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PROBLEMS TO ADDRESS NEXT

Table 4 – Future Problems

Problem	Description
Set team members in roles	Figure out time constraints and skills for best role delegation, current procedure is to assign as necessary.
Dual Boot Serena's Computer	Put ubuntu on laptop.
Simulation Software Switch	Might switch from PolyVerif in the next semester. TBD.
Basic Simulation Working	Have a basic simulation running on the PolyVerif computer in the MicaPlex.
Establish Communication with PolyVerif contacts	Stay in communication with PolyVerif contacts for simulation information.
Complete SRS Document	Finish document for deliverable submission.
Uploading 3D Map of Campus	Reverse engineer software and reach out to PolyVerif contacts.

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MEETING NARRATIVE NOTES:

Table 5 – Meeting 1

10/22/24	Meeting Type: Class
Met with Product Owner(s): Y – Dr. Akbas, Clay	
Problems Brought Up:	

Problem	Proposed Solution
Meeting Location	Tuesdays in LB374 Thursdays in MP224
SRS Documentation	Work on document.

Other Items Updated on:
n/a

Additional Notes:
n/a

Table 6 – Meeting 2

10/24/24	Meeting Type: MicaPlex
Met with Product Owner(s): N	
Problems Brought Up:	

Problem	Proposed Solution
Basic Simulation Working	Come back later tonight to work on the setup.

Other Items Updated on:
• Need to upload the 3D model of campus to PolyVerif • Currently dealing with errors in PolyVerif setup • SWITCHED to Ubuntu 24.04.1 LTS from original 18.04

Additional Notes:
n/a

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Table 7 – Meeting 3

10/24/24	Meeting Type: Micaplex Standup
Met with Product Owner(s): N	
Problems Brought Up:	
Problem	**Proposed Solution**
Uploading 3D Map of Campus	Reverse engineer software and reach out to PolyVerif contacts.
Other Items Updated on:	
• Trying to upload map is harder than originally thought. • Switched to Open Street Map, works in blender and unity.	
Additional Notes:	

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NOTES:

n/a