CS490 – Autonomous Vehicle Design

Engineering Notes No. 4.1

INFORMATION

NAME: Serena Conticello

DATE: 10/29/24 - 11/04/24

Sprint: 4

JIRA BACKLOG

Responsible for:

- Email Kunal about Scenario Creation
- Complete Sections 6 and 7 of SRS document

Contributed to:

- Determine Goals with Acclivis
- Determine Meeting times and frequency with Acclivis
- Install Polyverif on Serena's Laptop

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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
10/29/24	SRS	One Drive, GitHub	Worked on section 6 and 7, set requirement types, & matched formatting in document for consistency

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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
10/29/24	Complete SRS Document	Finished deliverable
10/29/14	Create Scenarios	Develop two initial scenarios, not complex.

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PROBLEMS TO ADDRESS NEXT

Table 4 – Future Problems

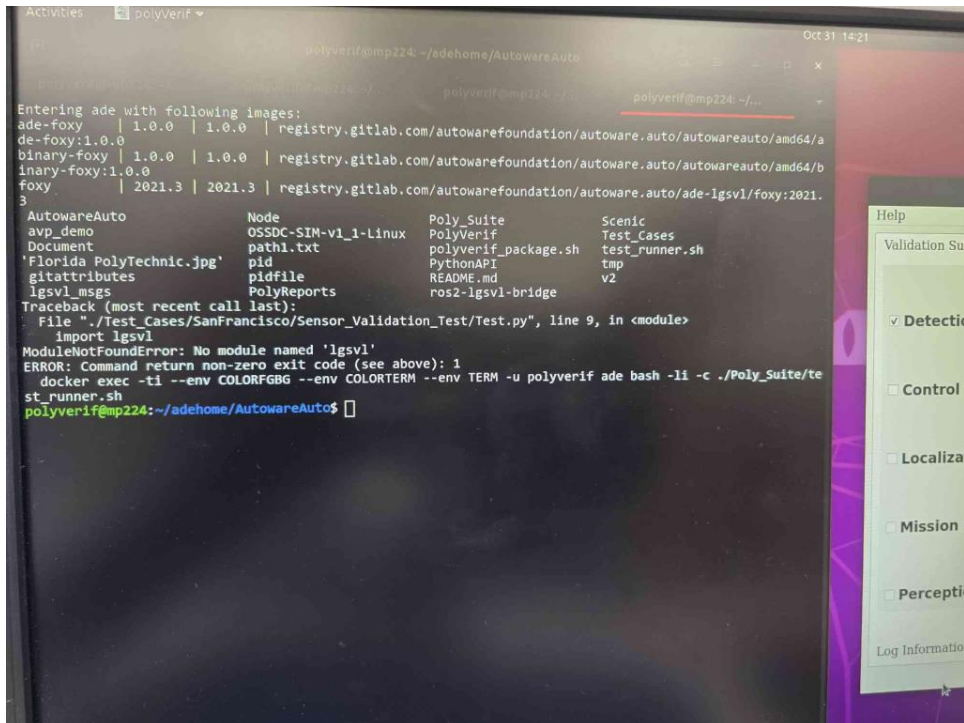| Problem	Description
Set team members in roles	Figure out time constraints and skills for best role delegation, current procedure is to assign as necessary.
Dual Boot Serena's Computer	Put ubuntu on laptop.
Simulation Software Switch	Might switch from PolyVerif in the next semester. TBD.
Basic Simulation 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.
Uploading 3D Map of Campus	Reverse engineer software and reach out to PolyVerif contacts.
Get Recording	Record the simulation for demonstration and record keeping.
PolyVerif Not Working	No idea.

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MEETING NARRATIVE NOTES:

Table 5 — Meeting 1

10/29/24	Meeting Type: MicaPlex	
Met with Product Owner(s): N		
Problems Brought Up:		
Problem	**Proposed Solution**	
Scene Environment Creation	Contact PolyVerif contact to learn about scene creation.	
Create Scenarios	Develop two initial scenarios, not complex.	
Get Recording	Record the simulation for demonstration and record keeping.	
Other Items Updated on:		
Had to revert back to older Ubuntu version 20.02		
Additional Notes:		
n/a		

Table 6 — Meeting 2

10/30/24	Meeting Type: Micaplex	
Met with Product Owner(s): N		
Problems Brought Up:		
Problem	**Proposed Solution**	
PolyVerif Not Working	No idea.	
Other Items Updated on:		
n/a		
Additional Notes:		
PolyVerif is not working. Been receiving help from multiple individuals and there is an issue where it won't let us run.		

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Table 7 – Meeting 3

10/31/24	Meeting Type: Micaplex
Met with Product Owner(s): N	

Problems Brought Up:	
Problem	**Proposed Solution**
PolyVerif Not Working	Keep trying to make it work.

Other Items Updated on:
n/a

Additional Notes:

PolyVerif is simply not working. Was not able to resolve issues even with help from Kunal and Quentin.

NVIDA-Docker is installed properly, so we are thinking it could be a hardware issue at this point.

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NOTES:

n/a