CS490 – Autonomous Vehicle Design

Engineering Notes No. 5.2

INFORMATION

NAME: Serena Conticello

DATE: 11/19/24 - 11/25/24

Sprint: 5

JIRA BACKLOG

Responsible for:

- High - level Architecture Diagram

Contributed to:

- Troubleshoot PolyVerif's new install
- Complete SDD Document following same breakdown as SRS
- Determine Goals with Acclivis
- Install Polyverif on Serena's Laptop

CS490 – Autonomous Vehicle Design

RESOURCES & DOCUMENTS CONTRIBUTED TO

Table 1 - Contributions

Date	Resource/Document	Location	Contribution Description
sprint	Personal Engineering Notes	One Drive & GitHub	Completed engineering notes
11/19/24	Agile Process Implementation Check	Jira & GitHub	Backlog items
11/03/24 – 11/21/24	SDD	One Drive & GitHub	Design section, models, & matched formatting in document for consistency
11/19/24 – 11/21/24	Poster	Overleaf	Diagrams and text
11/19/24 – 11/25/24	SRS V2	OneDrive	Edited parts as specified by grading comments & updated diagrams

CS490 – Autonomous Vehicle Design

COMPONENTS TESTED

Table 2 - Testing

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

CS490 – Autonomous Vehicle Design

PROBLEMS SOLVED

Table 3 - Solutions

Date	Problem	Solution & Notes
11/20/24	PolyVerif Not Working	Received an updated version that works with the computer!!
11/21/24	Complete SDD Document	Completed and submitted.

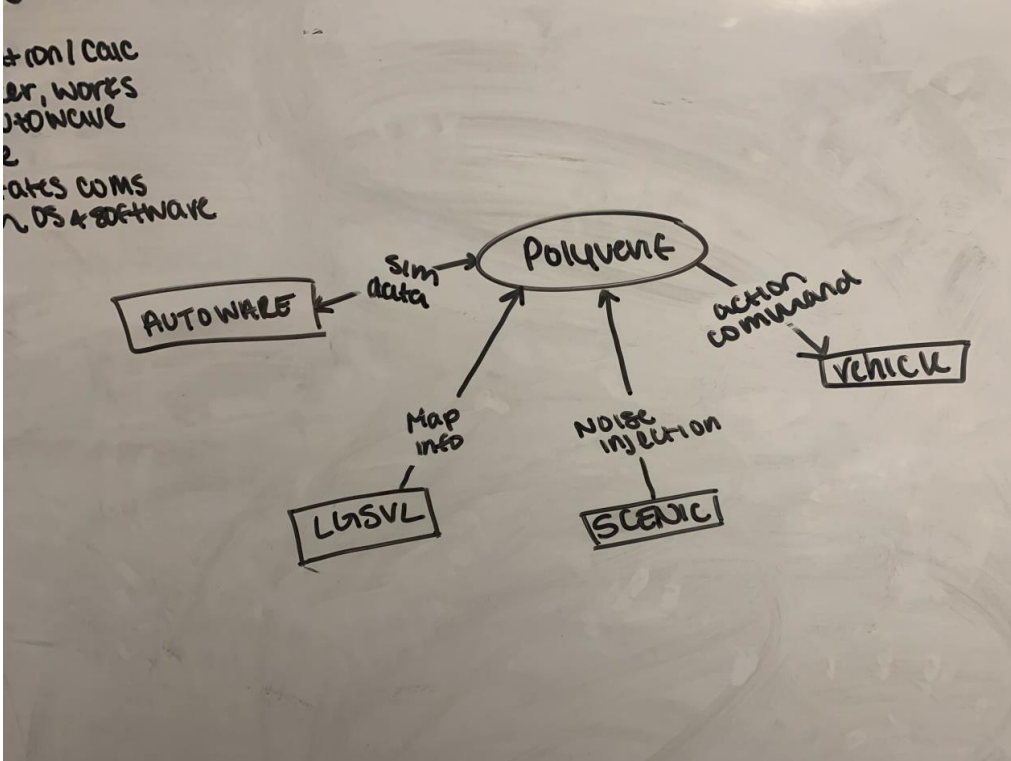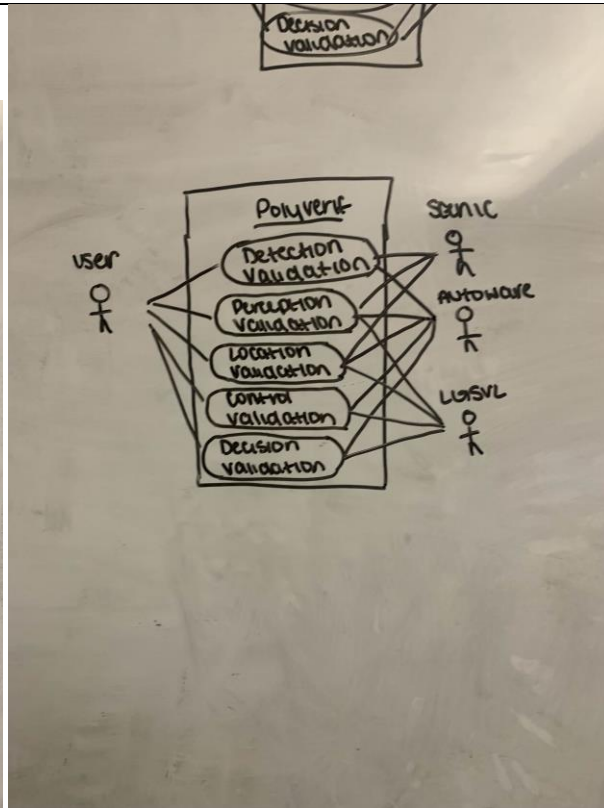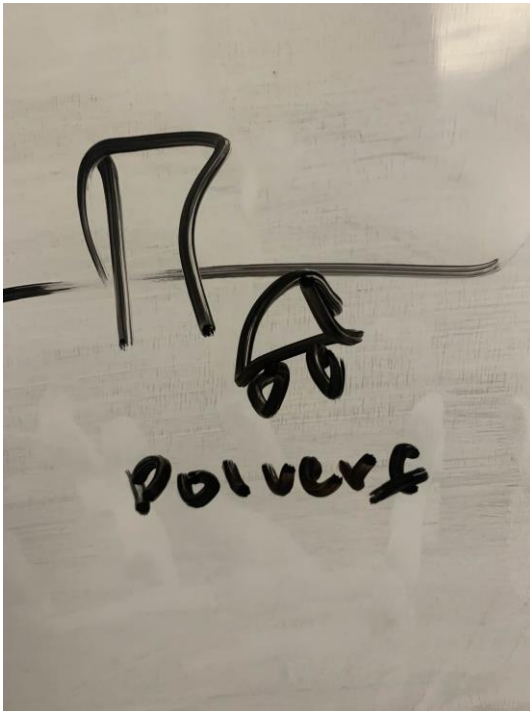CS490 – Autonomous Vehicle Design

PROBLEMS TO ADDRESS NEXT
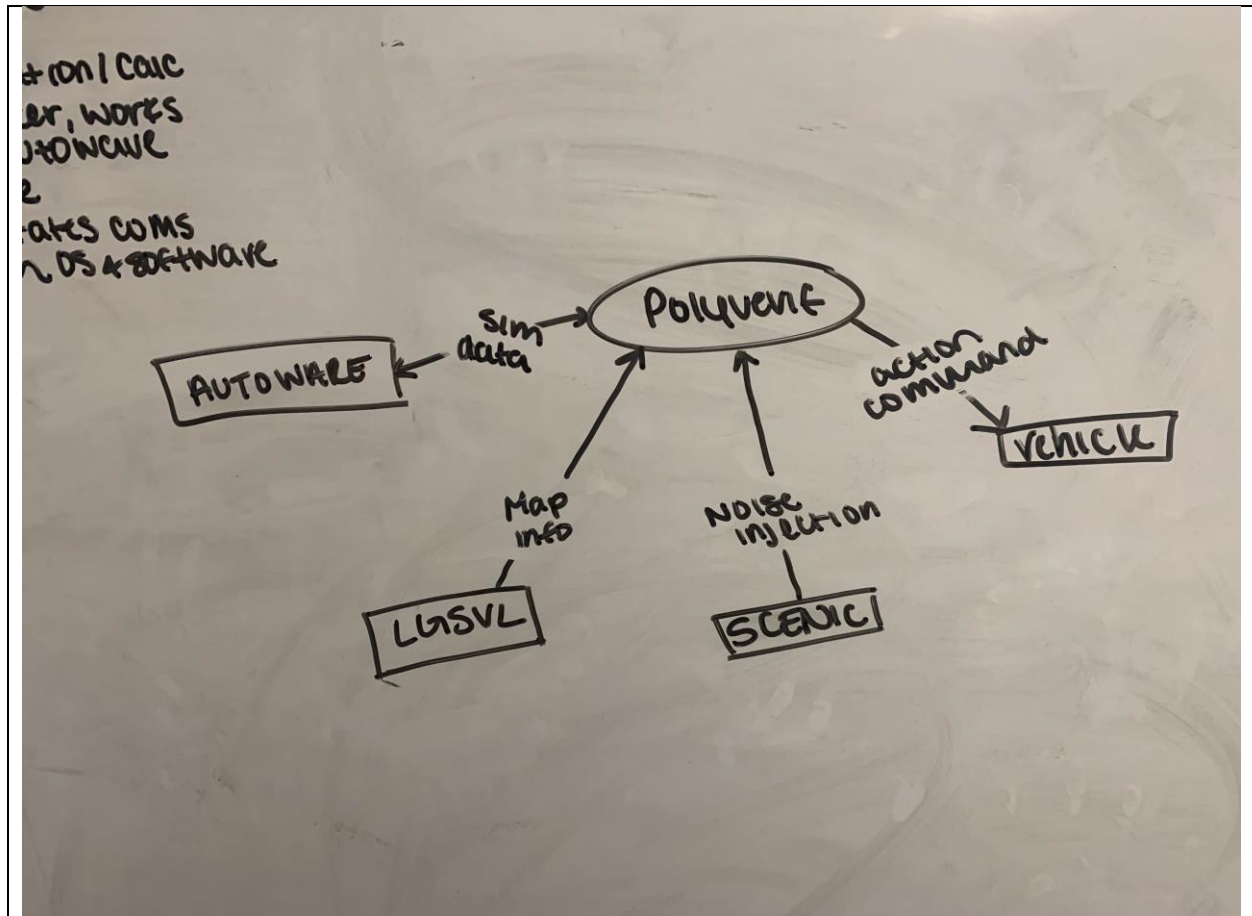
Table 4 – Future Problems

Problem	Description
Dual Boot Serena's Computer	Put ubuntu on laptop. Not going to be done until PolyVerif issues are figured out so my computer does not get bricked.
Basic Simulation Working	Have a basic simulation running on the PolyVerif computer in the MicaPlex.
Uploading 3D Map of Campus	Reverse engineer software and reach out to PolyVerif contacts.
Get Recording	Record the simulation for demonstration and record keeping.

CS490 – Autonomous Vehicle Design

MEETING NARRATIVE NOTES:

Table 5 – Meeting 1

11/19/24	**Meeting Type**: Class
Met with Product Owner(s): Y – Dr. Akbas, Clay	

Problems Brought Up:	
Problem	**Proposed Solution**
Dual Boot Computer	Contact PolyVerif experts to see if my computer can handle the software.
Simulation Software Switch	Might switch from PolyVerif in the next semester. TBD.

Other Items Updated on:

From One Drive notes regarding poster:
      "Poster should be visually pleasing, not too much text, include figures from polyverif, do not include use case diagrams.
 	
      Be very clear about what the project is, problem statement purpose, motivation/purpose/challenge/contribution/solutions
 	
      Poster is not a place to complain about it, only medium being used to present product to customer.
 	
      Discuss stuff we have done and what we plan/want to do.
 	
      Ideally one figure to explain the project. "

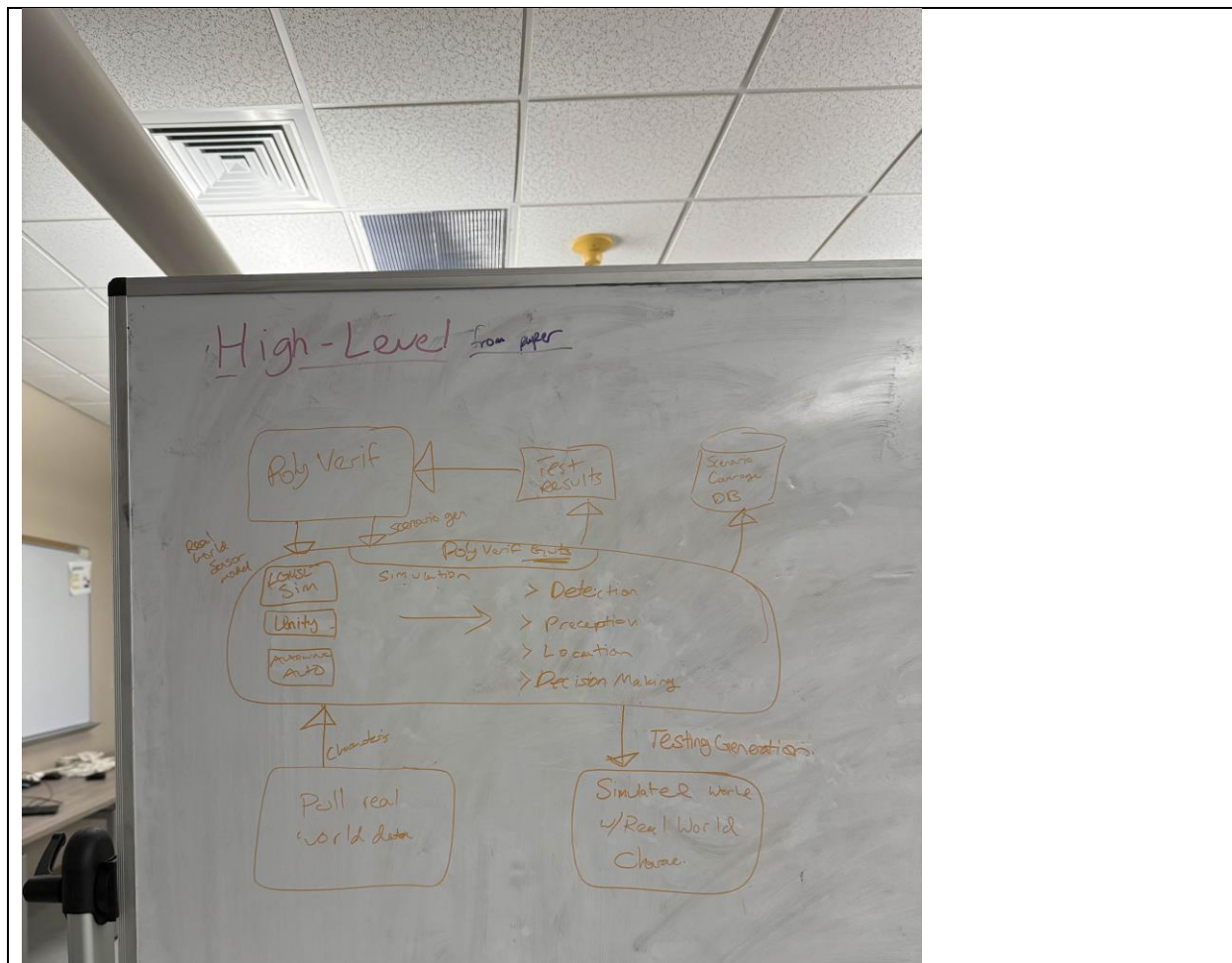| **Additional Notes:** |
|---|
| Visual aids from meeting regarding poster: |

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Table 6 – Meeting 2

11/20/24	Meeting Type: MicaPlex
Met with Product Owner(s): N	
Problems Brought Up:	
Problem	**Proposed Solution**
n/a	n/a
Other Items Updated on:	
• Was able to successfully download and run PolyVerif on the MicaPlex computer!!!!	
Additional Notes:	
n/a	

Table 7 – Meeting 3

11/21/24	Meeting Type: MicaPlex

CS490 – Autonomous Vehicle Design

Met with Product Owner(s): N	
Problems Brought Up:	
Problem	**Proposed Solution**
n/a	n/a
Other Items Updated on:	
• Continued to work on documentation as it was due that night.	
Additional Notes:	
n/a	

CS490 – Autonomous Vehicle Design

NOTES:

n/a