CS490 – Autonomous Vehicle Design

Engineering Notes No. 7

INFORMATITON

NAME: Isabella Acosta

DATE: 01/09/25 – 01/15/25

Sprint: Number 7

JIRA BACKLOG

Responsible for:

- EGR Notes 2
- Isabella's Test

Contributed to:

- Create Introductory Test Case
- Email Isabella and Davian test script template

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RESOURCES & DOCUMENTS CONTRIBUTED TO

Table 1 - Contributions

Date	Resource/Document	Location	Contribution Description
N/A	N/A	N/A	N/A

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COMPONENTS TESTED

Table 2 - Testing

Date Tested	Component	Result	Comments
01/14/25	Troubleshooting PolyVerif	Did not run	PolyVerif is unstable, will continue to troubleshoot

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PROBLEMS SOLVED

Table 3 - Solutions

Date	Problem	Solution & Notes
N/A	N/A	N/A

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PROBLEMS TO ADDRESS NEXT

Table 4 – Future Problems

Problem	Description
PolyVerif Troubleshooting	Continue to Troubleshoot PolyVerif and see where the issues lie and how they can be fixed.

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MEETING NARRATIVE NOTES:

Table 5 – Meeting 1

01/09/2025	Meeting Type: StandUp/**Class**/ETC
Met with Product Owner(s): **Y**/N	
Problems Brought Up:	

Problem	Proposed Solution
PolyVerif is possibly broken (not sure because it was not touched over break)	Continue troubleshooting.
Figure out if we still have access to MicaPlex and MP 224	Head over on Thursday and see if we have access, if we do great if not contact Dr. Akbas
Need 16 digit key for scenario testing	Generated another map of Embry - Riddle campus and sent it over to Acclivis

Other Items Updated on:

Overview of second semester:

Sprint 1:
- Documentation outside of class, project during class
- Classroom to work in to be determined + MP 224

Tentative deadlines:
- o SRS: Feb 4th
    - SRS new section + rest of SRS
        - Serena: Environmental
        - Hannah: Economic
        - Davian: Cultural
        - Isabella: Global affect
        - William: Social
- o SDS: Mar 6th
- o Final Test Plan & Test Results: Apr 15th
- o Poster Session: Apr 24th

- Sprint 1 starts today (01/09) ends on the (01/21)
- Get an early start on engineering notes

We now have the python tutorial!!!
- Start with localization and mission planning
- Beginner – 1-2

• Intermediate - up to 5 • Advanced - up to 10 What do we want in the test cases, detailed breakdown - Isabella and Davian :)	
Additional Notes:	

Table 6 - Meeting 2

01/14/25	**Meeting Type:** StandUp/<mark>**Class**</mark>/ETC
Met with Product Owner(s): <mark>**Y**</mark>/N	

Problems Brought Up:	
Problem	**Proposed Solution**
PolyVerif is currently unstable	We believe that it is an easy fix

Other Items Updated on:

Trauma dump session
Hannah hates us!

From now on meet in LB 367 on Tuesdays.
Did not start the sprint last week, starting sprint today (ideally).
Adding backlog items to the backlog.
Thursdays are our MicaPlex days.
Engineering notes (do them) sprint 7.
Hannah no longer wants to be scrum master.
Hannah will send Isabella and Davian the PolyVerif templates to write in python.

FOCUS ON THE PRODUCT!
Stuff not used in the final product (separate contributions) can be added to the PolyVerif repo.
Decide on final product (deliverable) in the next two weeks, know what we are going to do.
Serena created new Engineering Notes templates.

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For 3D map, .fbx is desired, .obj works as well.

Test Cases:

Additional Notes:

NOTES:

PolyVerif is unstable now, we are continuing to troubleshoot and to our understanding it should not be a big issue. We are continuing to communicate with Acclivis and gave them our updated 3D map of Riddle so that we can get the 16-digit key that we need for running the test cases. Overall, once we get PolyVerif up and running we should be able to make good progress and have more testing done.