

## Engineering Notes No. 5.2

### INFORMATION

**NAME:** Isabella Acosta

**DATE:** 11/19/24 - 11/26/24

**Sprint:** 5

### Responsible for:

- No backlogs items directly assigned to me

### Contributed to:

- Work on First Draft of Poster
- High - level Architecture Diagram
- Component Diagram
- Context Diagram
- Troubleshoot Polyverif's new install
- Meet with External Team Member Barwal Maheshwari
- Complete SDD Document following same breakdown as SRS
- Determine Meeting times and frequency with Acclivis
- Determine Goals with Acclivis

## RESOURCES &amp; DOCUMENTS CONTRIBUTED TO

*Table 1 - Contributions*

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

## COMPONENTS TESTED

*Table 2 - Testing*

Date Tested	Component	Result	Comments
N/A	N/A	N/A	N/A

## PROBLEMS SOLVED

*Table 3 - Solutions*

Date	Problem	Solution & Notes
11/19/24	Not having a database within PolyVerif	Use the file system inside PolyVerif instead
11/26/24	Talked with Clay about our test plan	Testing anything we added [nothing lol] (and anything our additions touch), test the surrounding software that will Test Plan should be straightforward, but section 4, traceability matrix might be "scuffed".

## PROBLEMS TO ADDRESS NEXT

**Table 4 - Future Problems**

Problem	Description
Continue working on SDD Document	Split work among group members and keep working on document.
Continue working on our Poster	Make sure it is visually appealing and not too wordy, touch on all necessary points and have visual aids.

## MEETING NARRATIVE NOTES:

**Table 5 - Meeting 1**

<b>11/19/24</b>	<b>Meeting Type:</b> StandUp/ <b>Class</b> /ETC
Met with Product Owner(s): <b>Y</b> /N	
<b>Problems Brought Up:</b>	
<b>Problem</b>	<b>Proposed Solution</b>
Not having a database within PolyVerif	Use the file system inside PolyVerif instead
<b>Other Items Updated on:</b>	
<p>Met in LB 374</p> <p>Worked on SDD:  Isabella and William -&gt; Sections 1 &amp; 2  William -&gt; Section 3  Hannah and Serena -&gt; Diagrams and Models (Section 4)  Davian -&gt; Sections 5 &amp; 6</p> <p>Ask Quentin for the poster, preferably an electronic version  -poster was not on PolyVerif but verification and validation</p> <p>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.</p> <p>Picture of a vehicle, branches outwards. Including OSM of ERAU, Higher level figure, find &amp; fix issues.</p> <p>Too many cars in our presentation!!! "A bit too much..." - Dr. Akbas</p> <ul style="list-style-type: none"> <li>• Felt like advertising.</li> <li>• Use our own OSM and our own simulation as the background.</li> </ul>	

<ul style="list-style-type: none"> <li>Ideally want something working by Thanksgiving.</li> </ul>
<b>Additional Notes:</b>

**Table 6 - Meeting 2**

11/21/24	Meeting Type: StandUp/Class/ETC	
Met with Product Owner(s): Y/N		
Problems Brought Up:		
Problem	Proposed Solution	
Other Items Updated on:		
Worked on SDD diagrams and polished up remaining sections, Poster, and continued work on PolyVerif sim.		
Additional Notes:		

**Table 7 - Meeting 3**

11/26/24	Meeting Type: StandUp/Class/ETC	
Met with Product Owner(s): Y/N		
Problems Brought Up:		
Problem	Proposed Solution	
Talked with Clay about our test plan	Testing anything we added [nothing lol] (and anything our additions touch), test the surrounding software that will Test Plan should be straightforward, but section 4, traceability matrix might be "scuffed".	

<b>Other Items Updated on:</b>	
Continued working on SRS v.2 Discussed potential for next semester, division of tasks, get Isabella and Davian more involved with the python side of PolyVerif, for Scene Creation, create a list of scenarios. If there is time at the end of the semester, work on implementing a neural network.	
<b>Additional Notes:</b>	

## NOTES:

Overall, we spent much of our time this Sprint working on final documentation and preparing for our poster showcase We hit a wall with PolyVerif once again and are in contact with Acclivis to continue troubleshooting and working through these issues so that hopefully we can have a working simulation as soon as possible.