

Engineering Notes No. 5.1

INFORMATION

NAME: Davian Rosario-Ortiz

DATE: 11/12/2024 - 11/18/2024

Sprint: 5

JIRA BACKLOG

Responsible for:

- N/A

Contributed to:

- Complete SDD Document following same breakdown as SRS
- Work on First Draft of Poster

RESOURCES & DOCUMENTS CONTRIBUTED TO

Table 1 - Contributions

Date	Resource/Document	Location	Contribution Description
11/14/2024	SDD	OneDrive	Contributed to Sections 5 and 6.

COMPONENTS TESTED

Table 2 - Testing

Date Tested	Component	Result	Comments
11/13/2024	Docker installation	Partially successful	Installed Docker, but ran into GLIBC and Qt compatibility issues
11/14/2024	PolyVerif on Ubuntu 20.04	Unsuccessful	Missing GLIBC_2.34 and qt_5.15 caused runtime errors.

PROBLEMS SOLVED

Table 3 - Solutions

Date	Problem	Solution & Notes
11/13/2024	Docker installation issue	Successfully installed Docker following Bidur's instructions.
11/14/2024	Identified OS dependency mismatch	Determined the need to upgrade Ubuntu to resolve compatibility issues.

PROBLEMS TO ADDRESS NEXT

Table 4 - Future Problems

Problem	Description
Need to talk to Jackson Baker.	Consult with Jackson Baker to decide between reinstalling the current Ubuntu version of upgrading to a newer version.
Need to resolve dependency issues.	Resolve dependency issues with GLIB_2.34 and Qt_5.15 to ensure PolyVerif functionality.

MEETING NARRATIVE NOTES:

Table 5 - Meeting 1

11/12/2024	Meeting Type: In-Class	
Met with Product Owner(s): Y		
Problems Brought Up:		
Problem	Proposed Solution	
N/A	N/A	
Other Items Updated on:		
N/A		
Additional Notes:		
Continued watching team presentations.		

Table 6 - Meeting 2

11/14/2024	Meeting Type: In-Class	
Met with Product Owner(s): Y		
Problems Brought Up:		
Problem	Proposed Solution	
Operating system dependency issues for PolyVerif	Plan to upgrade Ubuntu or troubleshoot with a Linux expert.	
Other Items Updated on:		
N/A		
Additional Notes:		
Sprint 5 began late due to team presentations but is now focused on resolving critical OS-related issues. Coordination with Jackson Baker will be key to progressing.		

CS490 - Autonomous Vehicle Design

NOTES:

Nothing else to note.