Engineering Notes No. 5.1

## INFORMATION

**NAME:** Isabella Acosta

**DATE:** 11/12/24 – 11/18/24

**Sprint:** 5

## JIRA BACKLOG

**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 & 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** |
| 11/13/24 | Docker install | Ran into an OS problem | In order to fix it, we need to update GLIBC\_2.34 and Qt\_5.15, which is only available on 21.xx and 22.x Ubuntu, but installing it on our current 20.04 OS could brick our system. |
| 11/14/24 | Operating system test | Ran into an OS problem | Missing glibc and qt which are needed to run Polyverif, however we need to install a different version of Ubuntu to get it working. |

## PROBLEMS SOLVED

***Table 3 - Solutions***

|  |  |  |
| --- | --- | --- |
| **Date** | **Problem** | **Solution & Notes** |
| 11/13/24 – 11/14/24 | Docker install problem/Operating System issue | Our solution is to change our OS system and then we can update as well as GLIBC and QT\_15. |

## PROBLEMS TO ADDRESS NEXT

***Table 4 – Future Problems***

|  |  |
| --- | --- |
| **Problem** | **Description** |
| Reinstall Ubuntu | Currently on 20.04 Ubuntu and must update our system. |
| Work on SDD Document | Keep working on our SDD Document |
| Work on Poster | Poster covering our project this semester, images and limited text to only necessary descriptions and timelines of our project |

## MEETING NARRATIVE NOTES:

***Table 5 – Meeting 1***

|  |  |  |
| --- | --- | --- |
| **11/12/24** | **Meeting Type:** StandUp/**Class**/ETC | |
| Met with Product Owner(s): Y/**N** | | |
| **Problems Brought Up:** | | |
| **Problem** | | **Proposed Solution** |
| **Other Items Updated on:** | | |
| Continued watching other team presentations. | | |
| **Additional Notes:** | | |
|  | | |

***Table 6 – Meeting 2***

|  |  |  |
| --- | --- | --- |
| **11/13/24** | **Meeting Type:** StandUp/Class/ETC/**Micaplex** | |
| Met with Product Owner(s): Y/**N** | | |
| **Problems Brought Up:** | | |
| **Problem** | | **Proposed Solution** |
| Docker Install OS issue | | Reinstall Ubuntu which then lets us update GLIBC\_2.34 and Qt\_5.15 |
|  | |  |
|  | |  |
| **Other Items Updated on:** | | |
| Hannah emailed Bidur and shared NVIDIA driver info, docker info, and current error messages. | | |
| **Additional Notes:** | | |
|  | | |

***Table 7 – Meeting 3***

|  |  |  |
| --- | --- | --- |
| **11/14/24** | **Meeting Type:** StandUp/Class/ETC/**Micaplex** | |
| Met with Product Owner(s): Y/**N** | | |
| **Problems Brought Up:** | | |
| **Problem** | | **Proposed Solution** |
| Docker Install OS issue | | Reinstall Ubuntu which then lets us update GLIBC\_2.34 and Qt\_5.15 |
|  | |  |
|  | |  |
| **Other Items Updated on:** | | |
| * Met in MicaPlex * New errors, not docker, main issue is the operating system * Started Sprint 5 late, was supposed to start on 11/12/2024 but we were in IC 101 watching presentations. Started Sprint 5 today. * Missing glibc and qt which are needed to run Polyverif, however we need to install a different version of Ubuntu to get it working. | | |
| **Additional Notes:** | | |
|  | | |

## NOTES:

This sprint presented us with many issues. We have been having many issues with Polyverif, they have been all over the place. There have been a few that are OS related, Docker related, and GLIBC\_23 AND Qt\_15 issues. We have been in contact with multiple individuals, and they have always come back with a response, but every time we have followed these instructions, we have gotten new errors. We will continue to be in contact with them to hopefully get these errors resolved and finally have a working Polyverif simulation.