Engineering Notes No. 0

## INFORMATION

**NAME:** Hannah Ramsden

**DATE:** 08/27/24 - 09/16/24

**Sprint:** 0

## JIRA BACKLOG

**Responsible for:**

* N/A

**Contributed to:**

* N/A

## RESOURCES & DOCUMENTS CONTRIBUTED TO

***Table 1 - Contributions***

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Resource/Document** | **Location** | **Contribution Description** |
| 09/10/24 | Shared OneNote | One drive | Created OneNote to organize all research, progress, meeting notes, and important information. |
| 9/16/24 | GitHub Page | GitHub | Created GitHub page and original documentation to store project progress. |

## 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** |
| 09/12/24 | Determine Hardware Requirements | Need Ubuntu Operating system and a graphics processing unit that is at least an RTX 1090. This is available in the Micaplex. Need to send student ID to dr. Akbas so that our team can get access, as well as a parking pass. |
| 09/12/24 | Established Meeting Times | Sent out a When2Meet to establish meeting times with the team. Team meetings established for Tuesday/Thursdays at 8:30 – 9:30 pm, as well as a Saturday meeting window for 1-6 pm. |
| 09/12/24 | Establish Basic Understanding of Polyverif | Went over Published papers documenting examples, and the basic purpose of the Polyverif framework. |
| 9/12/24 | Created Sprint 1 Backlog | Met with team to determine sprint 1 backlog items, and to create basic timeline of goals to be completed. |

## PROBLEMS TO ADDRESS NEXT

***Table 4 – Future Problems***

|  |  |
| --- | --- |
| **Problem** | **Description** |
| Project Design | Focusing on determining what specifically we are wanting to do with Polyverif, what we want to simulate, and what specifically our team wants to model. |
| Project Proposal Document | Create, Edit, and Submit project proposal |
| Sprint 1 Backlog | Determine goals for the upcoming sprint period and assign roles for each member. Determine what group will do. |
| Understand Polyverif and associated software | Needing to get access to Polyverif research papers and to the Micaplex to understand the application side of our project. |

## MEETING NARRATIVE NOTES:

***Table 5 – Meeting 1***

|  |  |  |
| --- | --- | --- |
| **09/10/24** | **Meeting Type:** Class | |
| Met with Product Owner(s): Y | | |
| **Problems Brought Up:** | | |
| **Problem** | | **Proposed Solution** |
| Understanding Project | | Learn current Polyverif Verification and Validation suite to implement an example with ERAU campus |
| Other Items Updated on: | | |
| Serena Conticello joined the team. | | |
| **Additional Notes:** | | |
|  | | |

***Table 6 – Meeting 2***

|  |  |  |
| --- | --- | --- |
| **09/12/24** | **Meeting Type:** Class | |
| Met with Product Owner(s): Y | | |
| **Problems Brought Up:** | | |
| **Problem** | | **Proposed Solution** |
| Project Proposal | | Determine the scope for the project, current goals for semester 1 and 2, and a general timeline. |
| Determine Communication and Meeting Time | | Set up input form for meeting times. External meetings will be normally online if not in Micaplex |
| Contact Polyverif teams | | Understand requirements, and learn about usage and examples. |
| Other Items Updated on: | | |
| 3D render is planned to be created shortly by William. This will give us a headstart for what we are planning on modeling with campus. | | |
| **Additional Notes:** | | |
|  | | |

## NOTES:

N/A