Engineering Notes No. 2.1

## INFORMATION

**NAME:** William Reimer

**DATE:** 10/01/24 - 10/07/24

**Sprint:** Number

## JIRA BACKLOG

**Responsible for:**

* ERPOLYV-19: Refine Render of Campus
* ERPOLYV-20: Create Video Demo of Campus Render

**Contributed to:**

* ERPOLYV-18: Get Familiarized with Equipment in the Micaplex
* ERPOLYV-25: Engineering Notes 1
* ERPOLYV-27: Project Presentation

## RESOURCES & DOCUMENTS CONTRIBUTED TO

***Table 1 - Contributions***

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Resource/Document** | **Location** | **Contribution Description** |
| 10/02/24 | ERPOLYV-19 | Blender | Began taking more detailed captures of RenderDoc files from Google Maps. A tedious process to get better detail, will need to look into more feasible alternative |
| 10/5/24 | ERPOLYV-20 | OneDrive | Created a video demo of the current version (1.1) of the rendered ERAU campus to upload to GitHub and send to project owner |

## 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** |
| 10/5/24 | Need a demonstration of a rendered ERAU campus | The video uploaded to the GitHub shows the feasibility of this current render’s use in PolyVerif |
|  |  |  |

## PROBLEMS TO ADDRESS NEXT

***Table 4 – Future Problems***

|  |  |
| --- | --- |
| **Problem** | **Description** |
| Better Detail of the ERAU campus | While the current model of the ERAU is functional, there are better methods to create a 3D render that works well with PolyVerif. Need to look into improvements. |
|  |  |

## MEETING NARRATIVE NOTES:

***Table 5 – Meeting 1***

|  |  |  |
| --- | --- | --- |
| **10/01/24** | **Meeting Type:** StandUp/Class/ETC | |
| Met with Product Owner(s): Y/N | | |
| **Problems Brought Up:** | | |
| **Problem** | | **Proposed Solution** |
| PolyVerif updating, potentially changing the framework in a major way | | Changes will not heavily interfere with the success of the project, the group just needs to be aware of the changes when they come, and read through the proper documentation |
|  | |  |
|  | |  |
| **Other Items Updated on:** | | |
|  | | |
| **Additional Notes:** | | |
| * Got in contact with Dr. Akbas for getting contact information on Acclivis and the other doctoral student working on polyverif * Spoke with Dr.Akbas about framework changing next semester, should be a marginal change. * Serena and Hannah got access to Micaplex, Isabella, Davian, and William to get access next. | | |

***Table 6 – Meeting 2***

|  |  |  |
| --- | --- | --- |
| **10/03/24** | **Meeting Type:** StandUp/Class/ETC | |
| Met with Product Owner(s): Y/N | | |
| **Problems Brought Up:** | | |
| **Problem** | | **Proposed Solution** |
| Need to create a timeline for product owner (as detailed as possible) for what we are planning to get done and achieve each sprint | | Will set up meetings to further discuss this.  Can draft more efficiently when learning and understanding PolyVerif and better established scenarios |
|  | |  |
|  | |  |
| **Other Items Updated on:** | | |
|  | | |
| **Additional Notes:** | | |
| * Established Micaplex meeting (Friday 10/04/2024, 3pm to 4pm) * Got in contact with Polyverif officials | | |

***Table 7 – Meeting 3***

|  |  |  |
| --- | --- | --- |
| **10/05/24** | **Meeting Type:** StandUp/Class/ETC | |
| Met with Product Owner(s): Y/N | | |
| **Problems Brought Up:** | | |
| **Problem** | | **Proposed Solution** |
| N/A | |  |
|  | |  |
|  | |  |
| **Other Items Updated on:** | | |
|  | | |
| **Additional Notes:** | | |
| Met in the Micaplex, ensured everyone had card access. Ensured workstation worked properly and was configured to project needs | | |

## NOTES:

Will begin working more in the Micaplex, and better determine the Project Scenario. There is a hurricane coming, likely to push back the timeline a bit.