Engineering Notes No. 3.1

## INFORMATION

**NAME:** William Reimer

**DATE:** 10/15/24 - 10/21/24

**Sprint:** 3

## JIRA BACKLOG

**Responsible for:**

* [ERPOLYV-19](https://ramsdenh.atlassian.net/browse/ERPOLYV-19): Refine Render of Campus

**Contributed to:**

* ERPOLYV-24: Determine Beginning Scenario Within Intersection
* ERPOLYV-32: Scene Creation in Polyverif to Model ERAU Campus

## RESOURCES & DOCUMENTS CONTRIBUTED TO

***Table 1 - Contributions***

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Resource/Document** | **Location** | **Contribution Description** |
| 10/16/24 | [ERPOLYV-19](https://ramsdenh.atlassian.net/browse/ERPOLYV-19) | Blender | Continued to work on further enhancing the 3D render of the whole ERAU campus. |
| 10/17/24 | ERPOLYV-24 | Discord | Assisted with discussing the specific location on the ERAU virtual campus to determine the first scenario that will be run in polyverif |
| 10/18/24 | ERPOLYV-32 | N/A | Looked into the process of importing a render into polyverif, seeing if any future problems will occur with the current method. |
|  |  |  |  |
|  |  |  |  |

## COMPONENTS TESTED

***Table 2 - Testing***

|  |  |  |  |
| --- | --- | --- | --- |
| **Date Tested** | **Component** | **Result** | **Comments** |
| 10/17/24 | [ERPOLYV-19](https://ramsdenh.atlassian.net/browse/ERPOLYV-19) | Success | It is possible to refine the render of the campus further, however, it is very time consuming and inefficient. Will look into alternative methods |
|  |  |  |  |

## PROBLEMS SOLVED

***Table 3 - Solutions***

|  |  |  |
| --- | --- | --- |
| **Date** | **Problem** | **Solution & Notes** |
| 10/17/24 | [ERPOLYV-19](https://ramsdenh.atlassian.net/browse/ERPOLYV-19) | Will work on this steadily until a better alternative method is found. The functionality of the scenario is not dependent on map detail. |
|  |  |  |

## PROBLEMS TO ADDRESS NEXT

***Table 4 – Future Problems***

|  |  |
| --- | --- |
| **Problem** | **Description** |
| Addressing the gap in progress due to the Hurricane | Will meet with project to replan important meeting times, re-establish backlog items, and modify the due dates accordingly. |
|  |  |

## MEETING NARRATIVE NOTES:

***Table 5 – Meeting 1***

|  |  |  |
| --- | --- | --- |
| **10/15/24** | **Meeting Type:** StandUp/Class/ETC | |
| Met with Product Owner(s): Y/N | | |
| **Problems Brought Up:** | | |
| **Problem** | | **Proposed Solution** |
| Continue scheduling and working on the project post hurricane | | Move any unfinished backlog items from Sprint 2 to Sprint 3. Adjust schedule accordingly. |
|  | |  |
|  | |  |
| **Other Items Updated on:** | | |
|  | | |
| **Additional Notes:** | | |
| Will have to completely change plans for Sprint 3, will include unfinished backlog items from Sprint 2 | | |

## NOTES:

* No presentation for Sprint 2, cancelled by the professors, but working on slides that need to be submitted.
* Get Engineering Notes from Sprint 0 to Sprint 2.2 completed and uploaded to GitHub
* Make folders on GitHub for each sprint.
* Moving a lot of backlog items from Sprint 2 to Sprint 3.
* Peer Evaluations moved due date from 10/15/2024 to 10/17/2024.
* PolyVerif and its vision tests were recently updated.
* Reach out to PolyVerif contact for code and keep the communication line open.
* First goal is to have a simulation that has basic working, specification and details come along later.
* Get some tests up and running, not many requirements.
* Powerpoint due by the end of the week
* SRS posted (due 10/29/2024)