Engineering Notes No. 3.2

## INFORMATITON

**NAME:** Hannah Ramsden

**DATE:** 10/22/24 – 10/28/24

**Sprint:** 3

## JIRA BACKLOG

**Responsible for:**

* Upload Video of Campus to YouTube

**Contributed to:**

* Determine A General Scenario within Polyverif
* Determine Beginning Scenario Within Intersection
* Become Familiarized with Equipment in Micaplex
* Project Presentation
* Peer Evaluations
* Scene Creation in PolyVerif to Model ERAU Campus.

## RESOURCES & DOCUMENTS CONTRIBUTED TO

***Table 1 - Contributions***

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Resource/Document** | **Location** | **Contribution Description** |
| 10/24/24 | Notes | OneDrive | Detailing Current Progress on 3d scene. |
| 10/24/24 | OpenStreetMap Capture | OneDrive | Created new capture of Daytona Beach and ERAU, ensuring it works on Micaplex computer. |

## COMPONENTS TESTED

***Table 2 - Testing***

|  |  |  |  |
| --- | --- | --- | --- |
| **Date Tested** | **Component** | **Result** | **Comments** |
| 10/24/24 | Updating Ubuntu Version | Swapped from version 18.04 to version 24.04.1 LTS | No current issues. |
| 10/24/24 | Validating Unity Install | Unity hub installed, had to be done without sandbox. | Could be an issue, but with the minimal usage of unity itself, no sandbox is fine. |
| 10/24/24 | Test New Map Display | Map file now works. | Map file was corrupted between transfer, needed new creation & testing. |

## PROBLEMS SOLVED

***Table 3 - Solutions***

|  |  |  |
| --- | --- | --- |
| **Date** | **Problem** | **Solution & Notes** |
| 10/15/24 | PolyVerif System Update | Install new version of PolyVerif, may cause issues |
| 10/15/24 | PolyVerif Vision Test Update | Verify that all tests work properly. |

## PROBLEMS TO ADDRESS NEXT

***Table 4 – Future Problems***

|  |  |
| --- | --- |
| **Problem** | **Description** |
| Uploading Map to PolyVerif | Unable to upload map currently, as file structure is unknown. |
| Contact Acclivis for Scene and Environment Creation | Get in contact with acclivis to see if there are existing guides that aren’t online. |

## MEETING NARRATIVE NOTES:

***Table 5 – Meeting 1***

|  |  |  |
| --- | --- | --- |
| **10/24/24** | **Meeting Type:** Lab | |
| Met with Product Owner(s): No | | |
| **Problems Brought Up:** | | |
| **Problem** | | **Proposed Solution** |
| Unity Install | | Installed unity to ensure that map can be accessed. |
| Sandboxing Errors | | Researched if sandboxing was necessary for unity. |
| Swap OS Version | | Swapped from version 18.04 to version 20.04 |
| Other Items Updated on: | | |
| -- | | |
| **Additional Notes:** | | |
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***Table 6 – Meeting 2***

|  |  |  |
| --- | --- | --- |
| **10/24/24** | **Meeting Type:** Lab (Evening) | |
| Met with Product Owner(s): No | | |
| **Problems Brought Up:** | | |
| **Problem** | | **Proposed Solution** |
| Blender File Corruption | | When Blender File was sent to Micaplex computer, it got corrupted and the mesh wouldn’t load. Made a new one. |
| Paywall Issues | | The recommended software that PolyVerif used to create a new scene required payment, so we found and used Open Street Map. |
| Unable To Upload Scene to PolyVerif | | Unsure of how to do this yet, need to contact acclivis. |
| Other Items Updated on: | | |
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| **Additional Notes:** | | |
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## NOTES:

N/A