FITARNA
Evaluation 4 Presentation

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Milestone 4 Review

Milestone 4 Task Matrix

Task	Completion	Dathan	Ethan	Jacob	Vincenzo	To-Do
Floor 3 and 4 Scans	100%	50%	0%	0%	50%	N/A
Pop-ups	85%	0%	10%	0%	75%	Finish Implementing Pop-ups
Navigation algorithm and add destination/pathways.	65%	0%	15%	50%	0%	Polish
Tour Mode	30%	5%	5%	10%	10%	Implement main tour content
Add tour mode to the main menu.	100%	100%	0%	0%	0%	N/A
Tour mode plan.	33%	0%	0%	0%	33%	Finish plan for floors 3-4

Task 1: Floor 3 and 4 Scans

**We first finished our second floor scans.**

Then we scanned floors 3 and 4

- With these cans we have a base to work with when planting pop-ups or when implementing Tour or navigation mode.
- In unity, to connect scans there needs to be overlap between the scans to accurately connect them to how they appear in the real world. There were also important sections left out of previous scans.
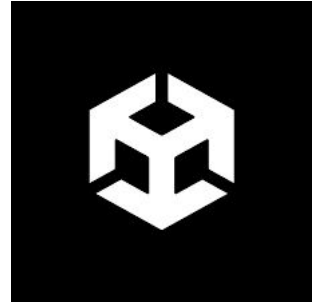
Library Scans (put picture here)
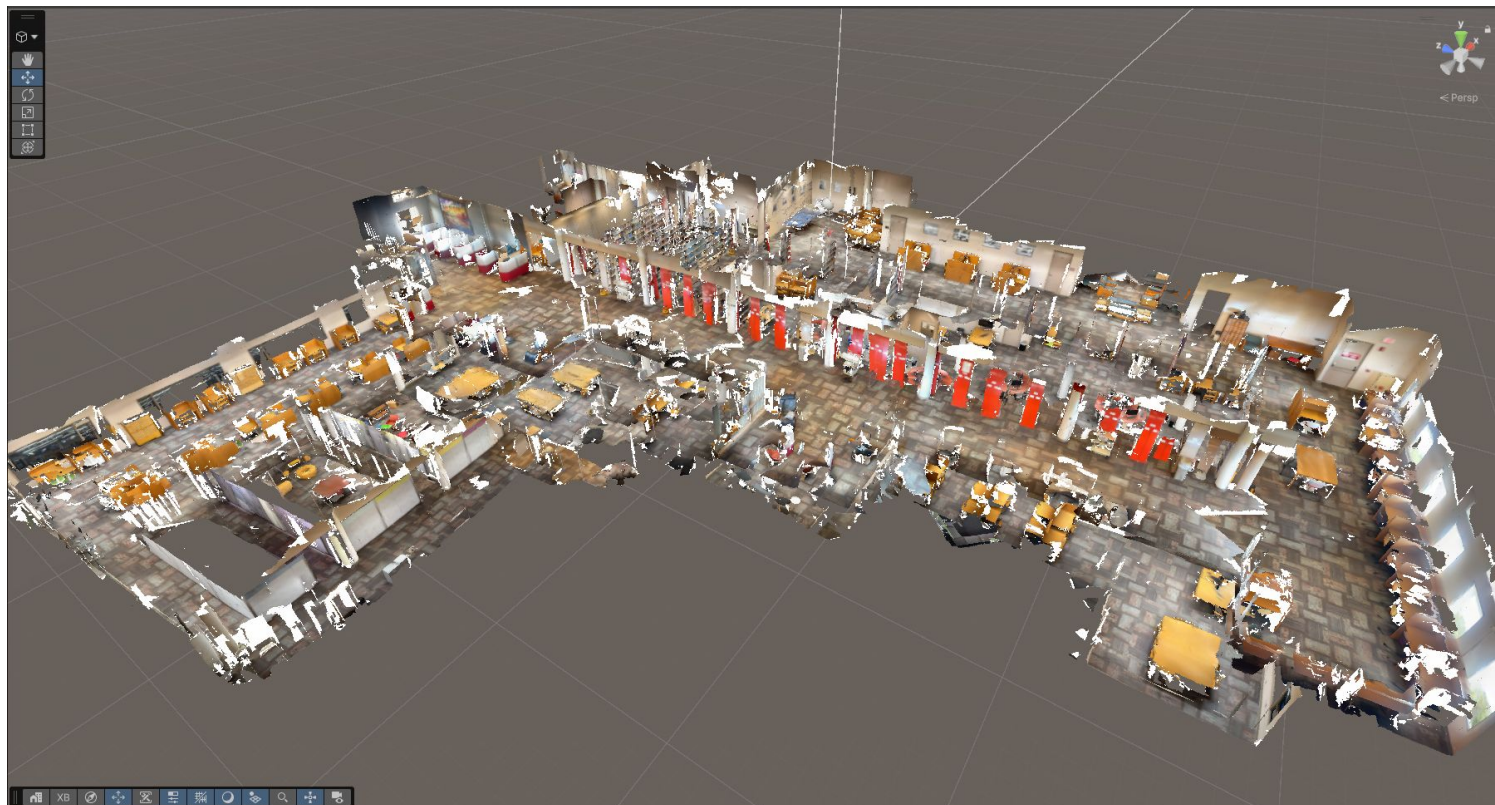
Task 2: Pop-ups

The pop-ups for the all four floors has been written. First floor pop-ups have already been implemented.
All that is left is to use the pop-up template to populate the rest of the floors.

Task 3: Implement Navigation Functionality

We implemented a functional AR navigation system using Unity's built-in NavMesh system.

- NavMesh surfaces were created and baked onto each scanned floor to define walkable areas.

Task 4: Tour Mode

We added Tour Mode to the main menu of the app. Right now we are working on finalizing the outline for Tour Mode. Before we start fully implementing the mode we want to optimize the navigational ability of FITARNA.

Demo Video
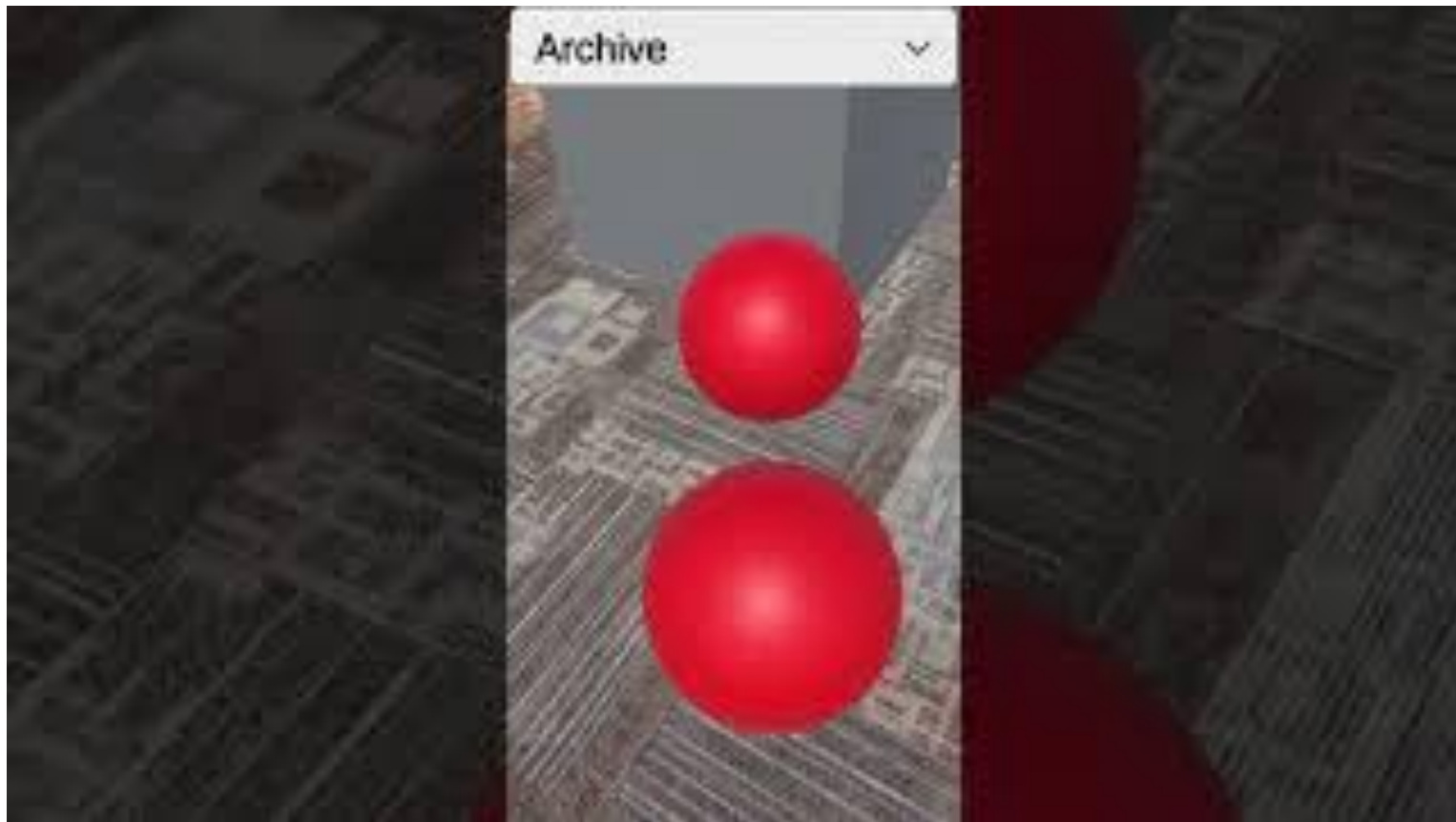
Milestone 5

Task 1

**Fully implement pop-ups for the third and fourth floor.**

Now that scans of the third and fourth floor have been done and have been implemented into the app, we want to finish adding all the pop up markers and information to these floors. We plan to take the pop-up data from a previously assembled list of interesting points around these floors just as we did before.
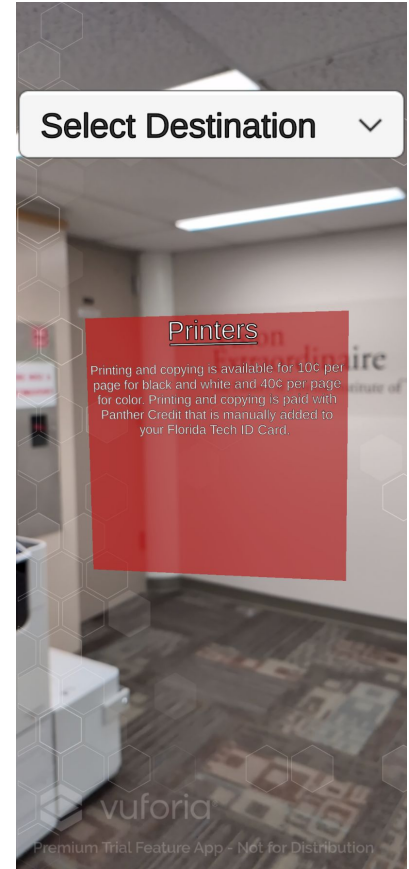
Task 2

Finish implementation of navigation to floors 2-4.
After polishing navigation on the first floor, we want to ensure that navigation between floors works properly. From there, we plan to add destinations to the rest of the floors.
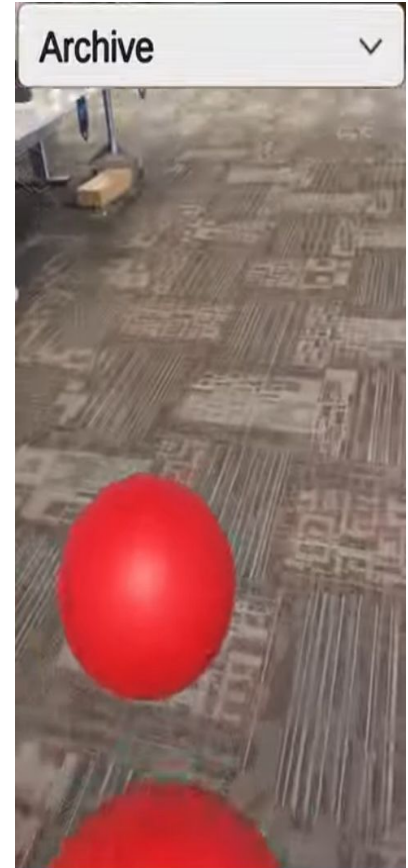
Task 3

Incorporate Tour Mode for floors 1-2.

Tour mode will use existing code from navigation and pop-ups as a backbone of its design and implementation. We plan to follow the outline of the tour which will be finalized soon after milestone 4.

Task 4

Evaluate and Analyze Results

We want to do extensive testing on the app once all its features are in place to make sure everything works efficiently and effectively. We will start with internal testing and move outward. We will then analyze any feedback we get from users outside of our internal group and adjust our design accordingly.

Task 5

Poster

Currently we want to focus on fully implementing other features of the app but we are keeping in mind what the design of our poster will look like and what highlights of the app we want to include on the board. We don't have much progress other than that since the showcase is still a fair bit away as a Milestone 6 task.

Milestone 5 Task Matrix

Task	Vincenzo	Jacob	Dathan	Ethan
Pop-ups	Main Implementer	N/A	N/A	Review
Navigation	Co coder	Main Implementer	N/A	Tester
Tour Mode	Write Outline	Co coder	Co coder	Tester
Eval & Analyze Results	Gather Feedback	Gather Feedback	Analyze Results	Evalua android
Poster	Co Designer	N/A	N/A	Main I

Questions?