



Progress Report

COSC 4P02

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PROFESSOR

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TEAM MEMBERS

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Progress

Group Roles

Scrum Master:

- Diego

Frontend:

- Micheal
- Haseeb
- Wayne

Backend:

- Zach
- Samuel
- Micah
- Alexander

Sprint Backlog

<input checked="" type="checkbox"/> C42-1 As a user, I want to be able to tour different museum rooms	TO DO	
<input checked="" type="checkbox"/> C42-9 As a user, I want to be able to have a panoramic view of a room	TO DO	
<input checked="" type="checkbox"/> C42-10 As a user, I want to be able to look around within a panoramic view	TO DO	
<input checked="" type="checkbox"/> C42-7 As a user, I want to know what artifacts i have already interacted with	TO DO	
<input checked="" type="checkbox"/> C42-11 As a stakeholder, I want to encourage the user to complete the whole tour through a completion meter/checklist	TO DO	
<input checked="" type="checkbox"/> C42-12 As a user, I want to access the tour with minimal client side set up	TO DO	
<input checked="" type="checkbox"/> C42-20 As a user, I want to be able to walk through different areas of a room	TO DO	
<input checked="" type="checkbox"/> C42-25 As a user, I would like to be able to move throughout the museum rooms using arrow keys / keyboard buttons.	TO DO	
<input checked="" type="checkbox"/> C42-29 As a user, I would like to be able to click ESC to close an artifact's description.	TO DO	
<input checked="" type="checkbox"/> C42-34 As a stakeholder, I want smooth visual transitions through rooms	TO DO	
<input checked="" type="checkbox"/> C42-37 As a Product Owner, I would like the view of the application to adjust to the window size	TO DO	
<input checked="" type="checkbox"/> C42-31 As a manager/stakeholder, I want to ensure that the virtual tour is accessible on a variety of devices and internet browsers so t...	TO DO	

Implemented:

- Ability to look around within a panoramic view
- View adjusts to window

To Implement in next sprint:

- Switch between panoramic views
- Switch between rooms/locations
- Interact with artifacts
- Check if user has already had an interaction with an artifact

Starting Screen



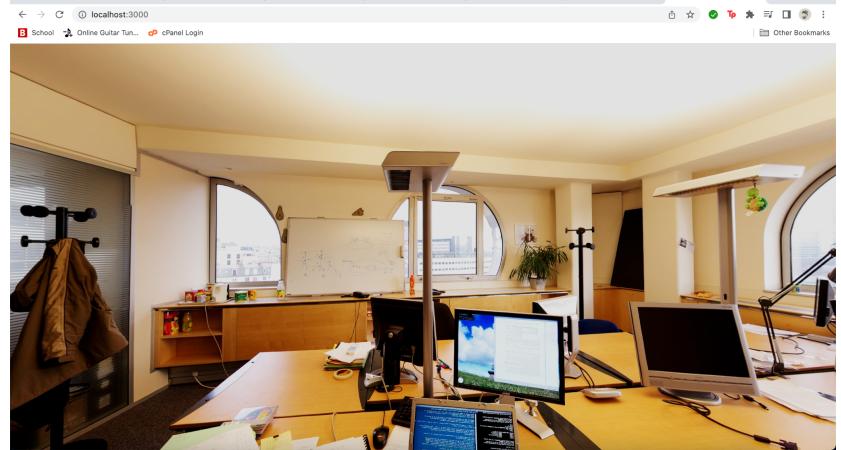
Components for the starting page have been laid out.

Components:

- “Begin Tour” Button: User will click to begin panoramic tour.
- Map Key: Users will be able to jump to panoramic views from a clickable list of tour locations.

Panoramic Viewer

- Using Three.js to allow for panoramic view and control perspective using mouse.

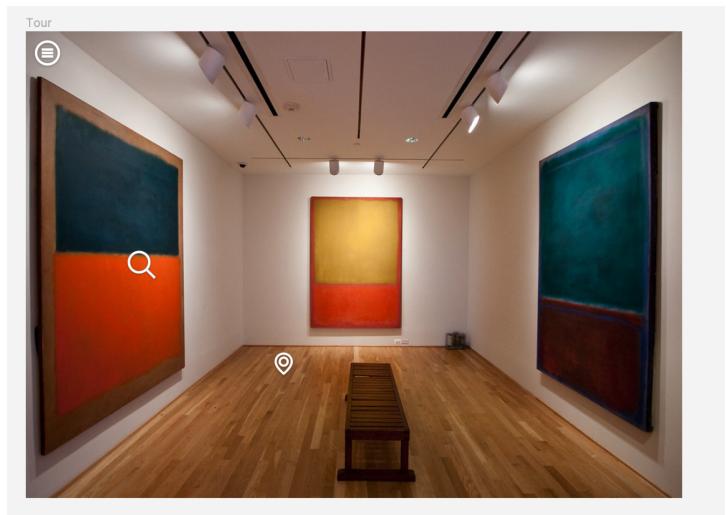


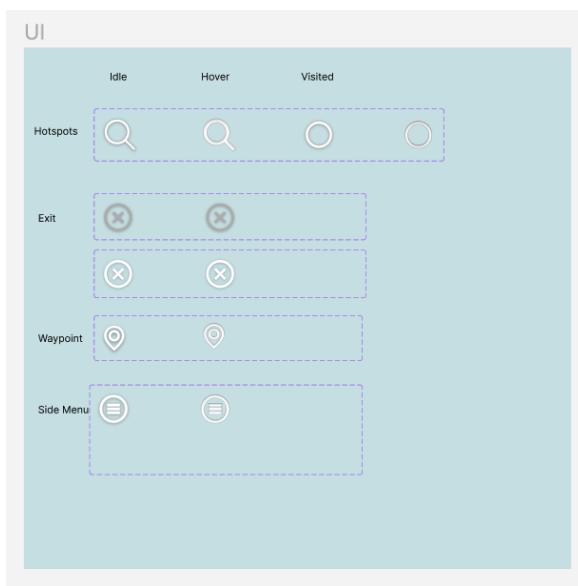
Front End Plan

Layout for Tour View:

Hotspot: Icon that marks an artifact that the user can interact with, to click and open an info panel where the user can find info about that artifact such as picture, dates, description.

If an artifact has been visited then the magnifying glass will switch to a circle Way point - are clickable icons that will allow the user to move different views of the tour.





Exit Icon: will appear when the side menu is open
Side Menu: during the tour the user is able to click the side menu on the top left of the screen to open the side menu. This will contain the current location the user is at in the tour, as well as an overview of all locations so that the user can jump to any of these locations from any point of the tour.
Info panel, implement functionality for starting tour from the starting screen

Backend Plan

We will use Springboot to create a CRUD backend application, this will allow us to create a REST API interface with endpoints that will allow access and manipulation of the application's database.

This database will keep track of users so that a museum worker can gain access and edit the tour. As well as store images and descriptions on each artifact that appears during the tour.

REST APIs

Possible Endpoints:

- User Login: to allow museum workers to log in and edit tour
 - **getUser:**
This method will return a user once the matching password and username have been authenticated.
- Info Panel: To display all the details of the artifact ex. Name, description, date, etc.
 - **getImage:**
This method will return the image of an artifact on the info panel.
 - **getName:**
This method will return the name of the artifact on the info panel
 - **getDescription:**
This method will return a description of the artifact on the info panel.

- **getDate:**
If dated, this method will return the date of when the artifact was founded.
- **getTitle:** This method will return the title of the artifact.
- **getDimensions:** this method will give us measurements
- **Tour Locations:**
 - **getIcons :** this method will give us a description of all the icons
 - **getPanoImage:** This method will return a panoramic image view
 - **getBuilding:** this method will return the building name
 - **getExhibit:** This method will return the exhibit name