**Anjie’s Gallery TDR**

**The Project:**

This project is a VR gallery experience where the user walks through a gallery set under the galaxy, the showpieces are 3D models made by myself as well as some models I have downloaded.

Within the scene there is a carpet for the player to follow that takes them around all the showpieces. There are also some cubes around the scene for the player to play around with.

**Techniques:**

**UI:**

The interface within the game is implemented using UI on Unity’s World Space Canvas, the elements are placed directly in the world where the player can interact with buttons and other features using the Controllers ray-cast.

Each display piece has a button with a function that displays the Model name.

A computer code on a black background

Description automatically generated

A computer screen shot of a white cylinder

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**Scene Management:**

The project makes use of very simple Scene Management where the player launches in a separate scene where they are greeted by the Title and a simple Play button to enter the gallery.

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A screenshot of a video game

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**Movement:**

The movement for the player uses the XR Origin template where it is simple joystick movement using them to turn the player and move them forward.

**Controller Interaction:**

The player can use the controller buttons to interact with some of the simple cubes laid around the scene.

A screenshot of a video game

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**Physics/Lighting:**

The project uses Realtime Lighting to give the experience a better feel.

A video game screen with a red carpet and blue text

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**Comfort:**

**A video game with a game controller

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**REFERENCES:**

[**https://free3d.com/3d-model/cat-v1--522281.html**](https://free3d.com/3d-model/cat-v1--522281.html)

[**https://free3d.com/3d-model/mclaren-senna-216583.html**](https://free3d.com/3d-model/mclaren-senna-216583.html)

[**https://free3d.com/3d-model/intergalactic-spaceship-in-blender-28-eevee-394046.html**](https://free3d.com/3d-model/intergalactic-spaceship-in-blender-28-eevee-394046.html)

**The other 3D models are from different University Modules that have been reused in this Project.**