VR SpaceInvader Assignment 1

Assignment Content - Basic

1. Basic:

- Design your own (visual/sound/particle) effect when an enemy being shot.

- Add two weapons at two locations spaced by at least 5 meters.

- Allow grab and drop weapons

- Add haptic feedback on controllers

Unity

Assignment Content - Advanced

2. Advanced: other design, such as

- Multiple game levels.

- Add a self-avatar and install some reflection (e.g., a mirror) in the scene so at some points you will see your own avatar through the reflection

- HP system : the enemies should be attacked three times to disappear.

- Enemies will also counterattack the user

- Build some new locomotion skills in Virtual Reality

- Additional particle system effects, such as explosions, healing, and collision effects from being attack

- **Your own idea… (The ways to make the game more enjoyable.)**

Unity

Assignment Grading

1. **Basic (50 %) & Report (10 %) – 60 %**

2. **Advanced – 40 %**

   - 3 dimension: Technical, Aesthetics, Overall (**30 %**)

   - Popularity (**10 %**), rated by peer evaluation

Unity

Assignment Submission Format

1. The submitted ZIP file should include the following items:

▶ A **'PDF' report** to describe what you do and how to do it. (the features of the game and any additional items you have developed.)

▶ A **video shot** of your design effect **(30 seconds) - Please provide a link to the video on YouTube.** And **provide a share link for us in report.**

2. The submission method for the entire Unity project files:

▶ **Due to size limitations on E3's file uploads, please compress your code and the entire project (zip) and host it in the cloud.** Then **provide a share link for us in report** to download your Unity project files. Please ensure your code is functional before sharing your link.
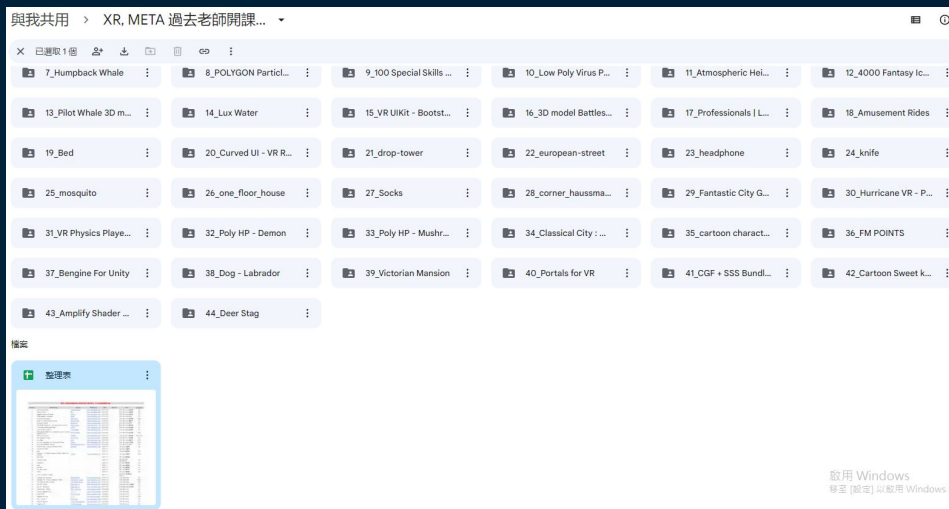
File name: studentID_HW1

Unity

Additional unity package for your use.

In the past, **teachers have purchased materials for courses which you can use**, please make sure not to move or delete any files on the cloud, thank you.

https://drive.google.com/drive/folders/1FFOdh6Hl0fuGaICv6iOCogKh9CX823TN?usp=sharing

Deadline: 10/17 (Tue) 23:59