

3D Social Engineering Game

Pre-Requisite Knowledge and Skills

1. Understand the basics of social engineering
2. Be able to navigate 3D game environment with WASD keys and trigger a dialogue with E key

Learning Objective:

1. Understand the risks of social engineering
2. Understand the Layering Principles
3. Be able to identify piggybacking, tailgating and the mantrap security protection technique

Recommended Running Environment and Software:

1. Computers Running Windows 7 or Window 10 x64 OS
2. Unity3D Exe files and data folders of 3D Social Engineering Game

Instructional Material:

1. 3D Social Engineering Game
2. In-game Instructions of Gameplay
3. PPT Lecture Slides

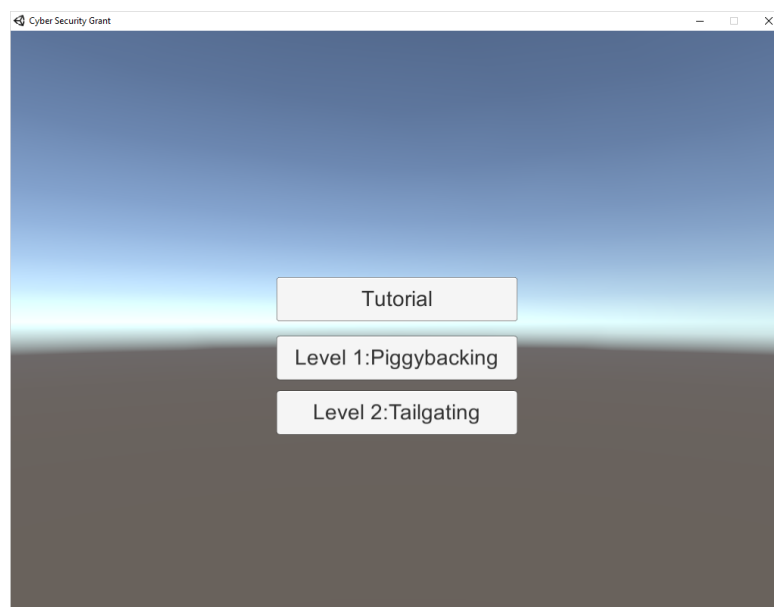
Video Demonstration:

1. to be developed

Lab Assessment:

1. Windows OS

Lab Instructions



3D Social Engineering Game Main Menu

3D Social Engineering Game simulates RFID identification, social engineering frauds of piggybacking, tailgating and the physical security protection technique: mantrap

Step 1: Tutorial

- **Click the Tutorial button**

You are a new employee working for a high security government agency

Strict security measures must be followed to prevent theft and other criminal activity

Please take note of the following security procedures and remember to follow them exactly while working

1. Never let any suspicious people into the building. Make sure that no one is following you into high security areas.
2. If anyone claims to have forgotten their ID badge, do not let them into high security areas.
3. Make sure to hide or delete sensitive information in the event of break-in or security breach
4. Mantrap: a mantrap is a device used to scan people entering high security areas. Please follow these rules when using mantrap
 - a. Use mantrap one person at a time. The alarm will sound if more than one person is detected.
 - b. Never attempt to follow another person into the mantrap before they have exited through the other door.
 - c. Never use your ID to let another person into the mantrap
 - d. When the machine has completed scanning, exit through the second door into the high security area.
5. Best luck for your game play!

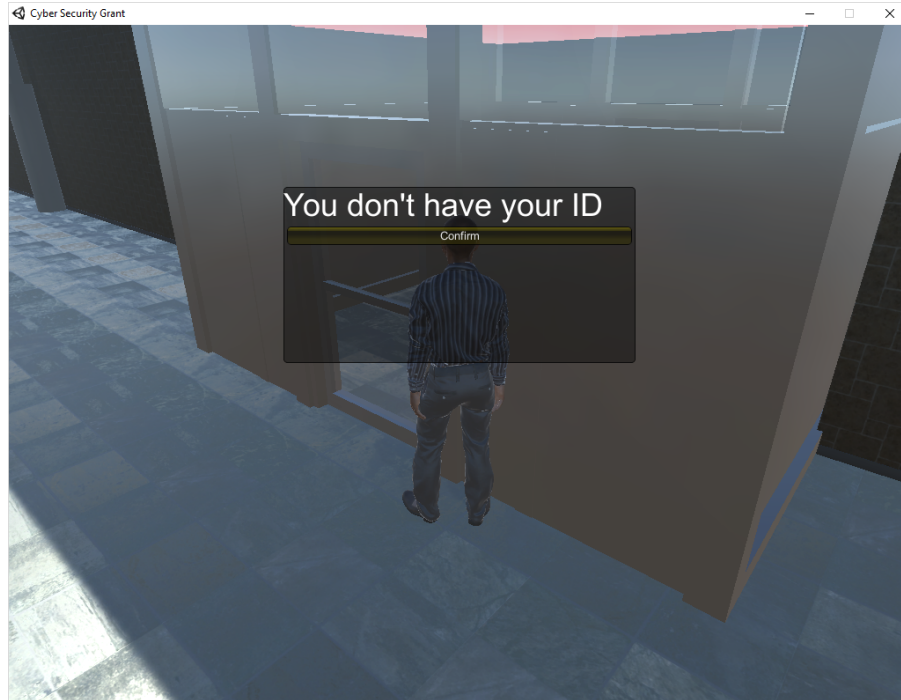
Step 2: Piggybacking

- **Click the Piggybacking button**

Perform your duties without letting the criminal into a high security area. Speak with your boss to begin

Use W, A, S, D, keyboard key to walk around.

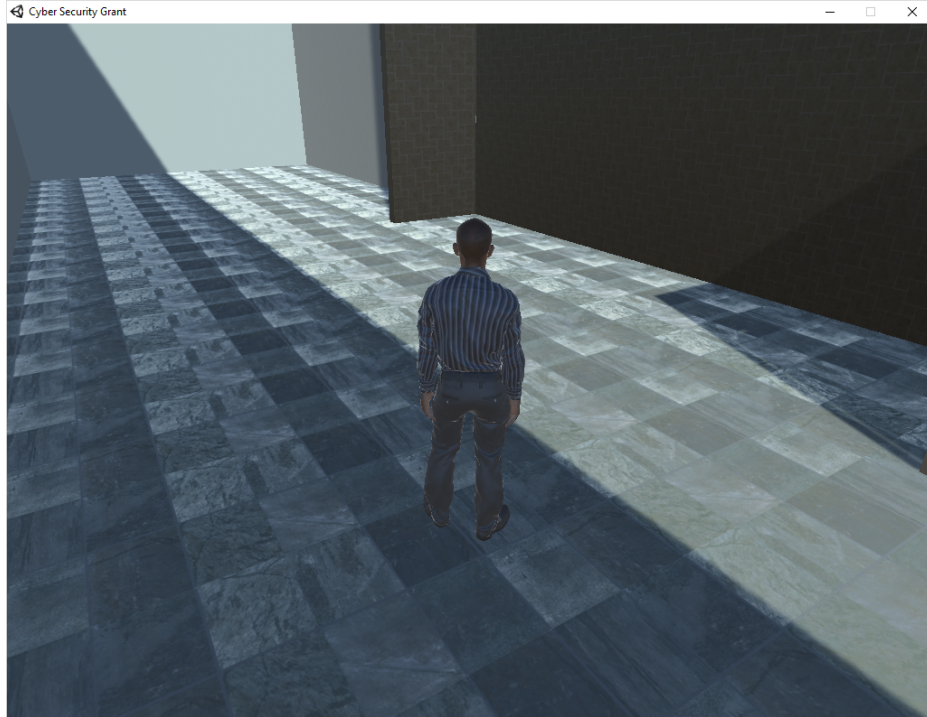
Use E keyboard key to start conversation.



Forgot to bring ID



Fail to complete mission



Complete mission

Discussion

- **What is the risk of the allow piggybacking?**
- **How Layering principle has been applied to this case?**