

Team: Matthew Goembel, Anthony Clayton, Ludendorf Brice, Ben Allerton

Milestone 5 Completed Tasks

Progress Summary

Task	Complete	Anthony	Matthew	Ben	Brice	To do
Make Poster	100%	25%	25%	25%	25%	Prettify, and enhance formatting.
Finish game: Master the password w/ backend & website sync	90%	10%	0%	0%	0%	-
Finish game: File Detective w/ backend & website sync	80%	0%	0%	100%	0%	-
Finish game: Web Quest w/ backend & website sync	80%	0%	0%	0%	100%	<u>-</u>
Enhance to dashboard, leaderboard, games, and profile tabs	90%	0%	100%	0%	0%	More prettification and enhancements we think of.
Finish game: Human Hacker w/ backend & website sync	50%	0%	100%	0%	0%	Finish rest of game, and integrate in with website and backend.

Milestone Task Discussion



Master the Password

Created 9 new locations (2 outdoor, 7 indoor)

All buildings are enterable and have unique interiors

2 new password challenges (medium & hard)

Composed background music (created in Bosca Ceoil)



File Detective



- Added Intro Section
- Added How to play option
- Removed Scan with DB, making game too easy
- Added progress bar above question
- Shield mascot added to intro



Web Quest

Finished the general game concept (4 levels)

Added menus and music for player functionality

Reworded the information that teaches players and came up with concept for backend sync to the leaderboard



Human Hacker Development

Cybersecurity puzzle-simulator. The goal is to review incoming files and messages to determine their validity, teaching players through 5 levels about (1)social engineering threats, (2)phishing, (3)malware, (4)LLM safety rules, (5)Data Privacy & Safe

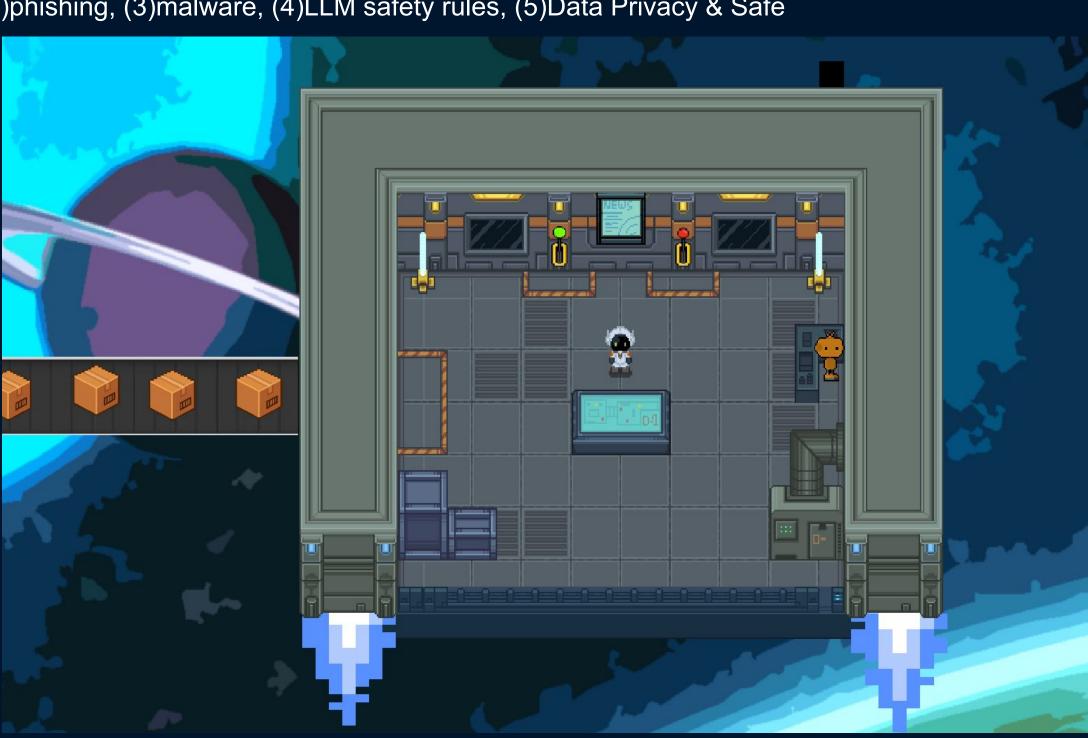
Information Sharing.

Flow

- Tasks arrive through the conveyor belt
- Players use the central terminal to analyze details
- The advisor NPC at the desk offers hints and explanations
- Players decide by pulling the (Safe / Unsafe, T/F, Yes/No, Right/Wrong) lever
- The player's HUD displays the task, hints/info about it, feedback, learning tips, and progress

Todo:

Adding learning modules and info from the database





Human Hacker Development



Poster



Cool Cyber Games

Cyber Security learning platform

Matthew Goembel, Anthony Clayton, Benjamin Allerton, Ludendorff Brice Faculty Advisor(s): Dr. Sneha Sudhakaran, Dept. of Electrical Engineering and Computer Science, Florida Institute of Technology

Games & Development

Malware Maze

Description: Navigate a digital maze while learning to recognize and avoid phishing and malware threats.

Objective: Identify safe paths and "neutralize" malware monsters to unlock the next challenge.

Estimated Time: 15 minutes

Skills: Phishing detection, Malware avoidance Tools: Godot Engine, Figma, Piskel, Itch.io, GenAl,

Custom assets





File Inspector

Description: Learn and identify the different file types you may come across on the internet and their properties.

Objective: Pick out and determine safe file types and

potentially dangerous ones

Estimated Time: 10-15 min Skills: Malware avoidance, General

Computer knowledge Tools: React + Vite + Tailwind + Zustand + Framer Motion



Master the Password

Description: Learn and apply password security techniques as you explore this top-down 2D game.

Objective: Collect chests to earn characters to use in password challenges.

Estimated Time: 20 minutes

Skills: Password Security, Cyber Defense Awareness Tools: Unity Engine, Itch.io, GenAl, Custom assets, bosca

ceoil.





Web Quest:

Description: Learn how to read web links to keep you and your data safe in this Mario-esque learning game.

Objective: Traverse levels and determine safe web links while avoiding pesky popups.

Estimated time: 10-15 minutes

Skills: Web security, observation awareness Tools: Godot, GenAl, Custom Assets, Bandlab





Secure login with Google OAuth

Key Features:

Backend & Website

Architecture Overview:

- Frontend: HTML5-exported Godot games embedded on coolcybergames.com
- Backend: Node.js + Express API managing authentication, score tracking, and
- Database: MongoDB storing user profiles, game progress, and leaderboard stats
- Hosting: Render (server) + Git LFS for large WASM game files

Project Summary

Cool Cyber Games is an interactive cybersecurity learning platform that teaches players real-world digital safety skills through fun, gamified experiences. Each game focuses on a core cybersecurity topic—such as phishing, password security, and file safety—allowing users to learn, apply, and test their knowledge in engaging, story-driven challenges.

Impact & Future Directions

Major impact stems from being able to teach all generations a wide range of beginner friendly Cyber-Security topics through video games. Moving forward we hope to create more diverse games and delve into deeper and more niche concepts to help people truly understand all cybersecurity concepts.





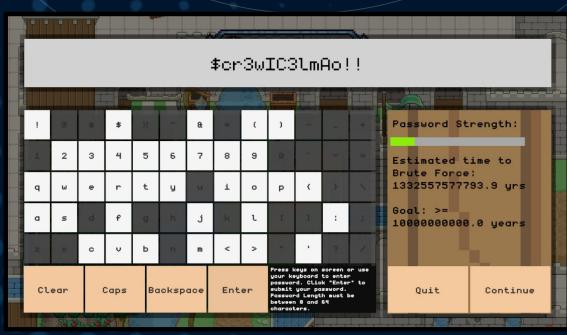
Demos Website — https://coolcybergames.com

Master the Password New Areas



Master the Password New Ul







Milestone 6 Tasks

Task	Anthony	Matthew	Brice	Ben
Finish Polishing Poste	25%	25%	25%	25%
User and/or Developer Manual	25%	25%	25%	25%
Make Demo Video	25%	25%	25%	25%
Final game Touches/Polish	25%	25%	25%	100%
Finish FinalGame (Human Hacker)	0%	100%	0%	0%
Future Directions	25%	100%	25%	25%

Milestone 6 Task Discussion

Task Discussion

- Polish poster
- Develop user manual
- Create promotional media (video, qr, codes, stickers)
- Final touches/polish for all games worked on from Milestone 5
- Finish final game (Human Hacker)
- Develop directions for future games and concepts



Any Questions or Suggestions?



