

The Deep Journey

James Blankenship and Andrew Marshall

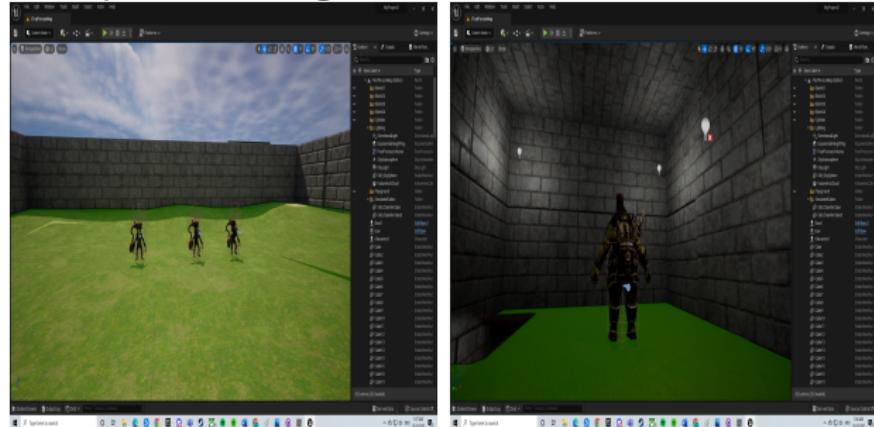
UT-Martin

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Overview

Overview of project

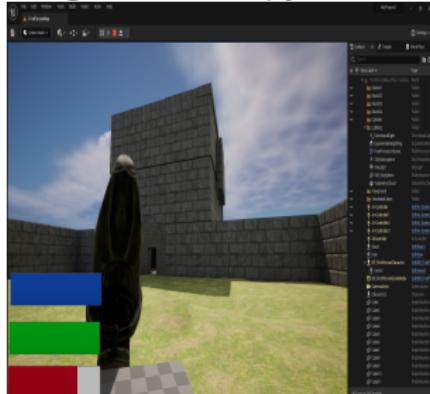
- ① Real time combat game in Unreal Engine
- ② It will be in the first person where it will be viewed from the players eyes
- ③ Multiple levels in game and it will be in the fantasy genre.



Overview

Overview of Project cont.

- ① Each level will focus on a enemy race.
- ② Enemy types are orcs, goblins, and humans.
- ③ There will be weapon upgrades such as increased damage.
- ④ Character will have access to magic, and other abilities
- ⑤ Magic such as pyromancy,faith magic, and sorcery.



Project Goals

- ① There are 3 different levels.
- ② The three levels are the castle level, castle basement, and the woods area.
- ③ The player character will have different classes.
- ④ Program different AI enemies.

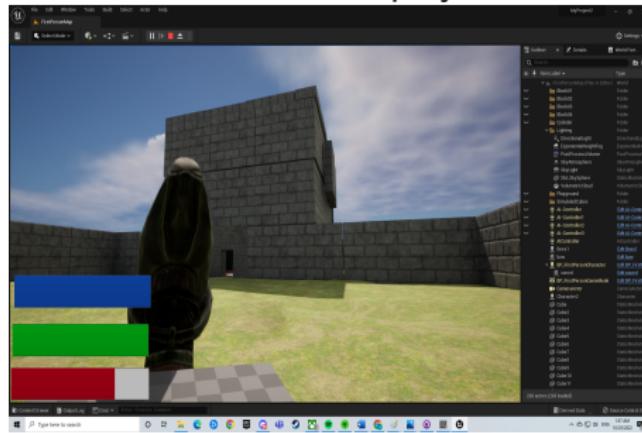


Classes

- ① Warrior: Melee focused with abilities to make him a tank.
- ② Mage: ranged damage dealer.
- ③ Melee mage: melee character with ranged abilities.

Castle level

- ① The starting level is the castle level.
- ② The level layout will include the courtyard and the interior of the castle itself.
- ③ The enemies that the player will encounter are orks.



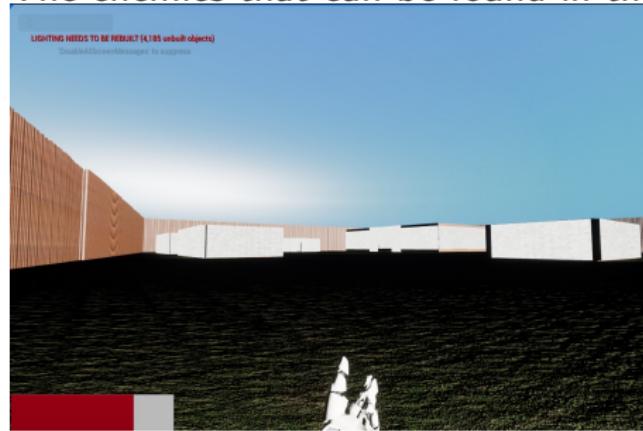
Basement/Dungeon level

- ① The next level is the Dungeon of the castle
- ② The level layout will include a long hallway with two corridors.
- ③ The corridors contain prison cells that have different enemies the player character will fight.



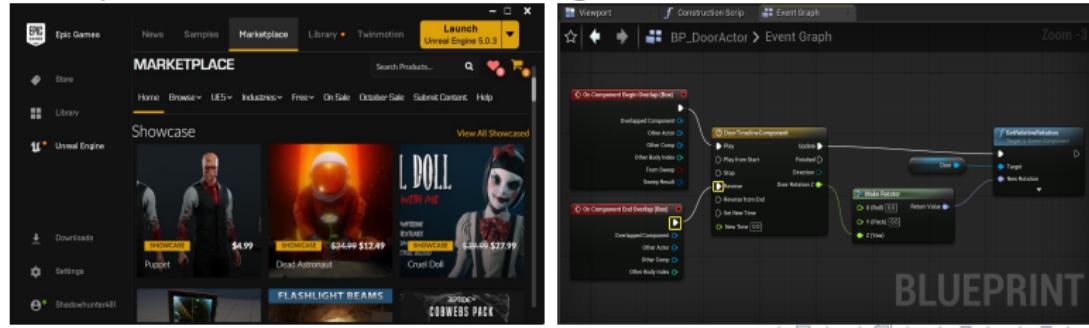
Forest level

- ① The last level is the forest area.
- ② The level layout is a main camp area surrounded by walls.
- ③ The enemies that can be found in this level will be orks.

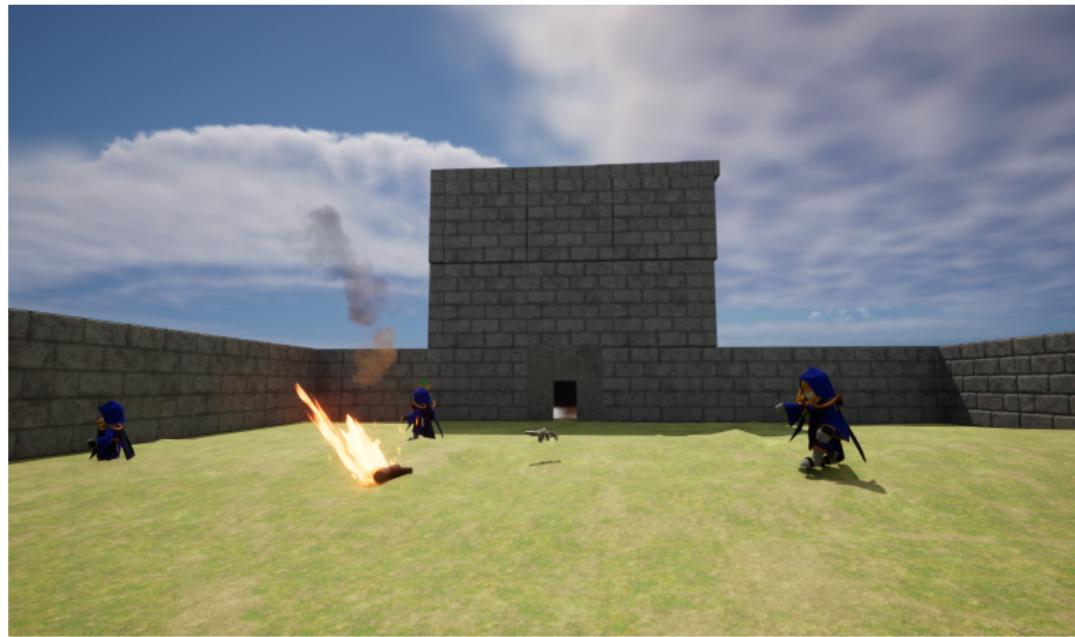


Technology used

- ① The game was developed using unreal engine 5.
- ② Within the unreal engine we used trigger boxes to transition between the different levels.
- ③ For the enemies and different weapons we used assets from the unreal marketplace
- ④ For the AI and overall level we used unreal's blueprint system.
- ⑤ To help with collaboration and version control we used github.
- ⑥ This presentation was made using latex.



Demo slide



What We Learned

- ① Overall we learned unreal engine 5 and game development.
- ② We learned how to do custom animation work for the enemies.
- ③ We learned how to implement AI for the enemies.
- ④ We also implemented a interface for the player character.
- ⑤ We figured out how to use different projectiles and weapons.

Project Development

- ① The project started out with just the basic first-person layout.
- ② We then added the castle level.
- ③ Then, we added assets from the marketplace.
- ④ We added wizard that did nothing at first, and now randomly moves.

Project Development

- ① We figured out how to add more levels and added a basement and a woods area.
- ② We added more details to the basement area.
- ③ Then, we added assets from the marketplace.
- ④ We added weapons, and abilities for the classes

Future Work

- ① Port to mobile
- ② Add more levels
- ③ Add more enemies and weapons.

Summary

- ① Any Questions or comments?
- ② Below is our contact info
- ③ jesamars@ut.utm.edu or jamcblan@ut.utm.edu
- ④ <https://github.com/James-Blankenship4276/CSCI-Senior-Project>