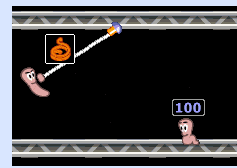
Ideas / inspiration

When discussing 2D video games, their design, devolvement and studio’s ability to overcome limitations, it has hard not to included Nintendo’s contribution with the likes of Zelda and Mario. Two franchises still around today.

When discussing with our team, we all showed interested in puzzle games. With the skills and knowledge that we have gained through this course and our assignment 1, we thought that we had a good foundation for building a *dungeon crawling Zelda* like game.

The room-based puzzles of Zelda’s dungeons were the source of inspiration for us to build a game, that has players complete grid-based maze puzzles to procced to the next level.

To enhance the game and the player’s experience, we wanted to add an ability that improved the players simple grid-based movement. To achieve this, we decided to give the player a grappling hook ability. Not only does this make the player’s movements more enjoyable, but it also allowed us to develop the level / maze design around this ability.

Game Design

With the key ideas of a rooms, where the player needs to navigate a maze, using standard movement and a grappling ability, we were able to start working on the game design.

This started with researching different maze ideas and applying this knowledge to our game’s mechanic. From here we were able to start to design each room’s layout and make sure the maze and game play fitted together.

To merry the maze style and grappling ability together, we used a ground hazard in which the player would need to traverse with their grabbling ability in order to continue. Rules were placed on the grappling ability in order to define what was achievable for the player while using the ability. This then helped us fine tune the room design.

To add to the difficulty of some of the rooms, additional treasure chest are placed as optional tasks for the player. Solving how to collect these, while also finding how to complete the level betters the player’s score.

Game Features

* 10 unique dungeons to solve
* 2 boss fights
* Treasures to collect to increase score
* 2 player mode, where players race to see who can complete the rooms the fastest with the best score
* Read your character’s thoughts as they collect items and battle enemies
* Collect plants to add health
* Suspensive music and immersive sound effects.
* Character / boss and item animations

Group Member’s Contributions

In alphabetical order:

**Bryce:**

* level layout design.
* Level layout coding.
* Menu design.
* Boss fights design.
* Documentations.
* General bug fixes.
* Play testing.

**Helen:**

* Game design and ideas.
* Story ideas
* Play testing.

**Jerry:**

* Game software architecture design, core classes and base game functionalities.
* Animations, audio and sound.
* Game object interactions / collisions / scores.
* NPC dialogues / Chat GPT / notifications.
* GitHub repository setup and integration of code from team members.
* Game AI state machine design.
* Play testing.

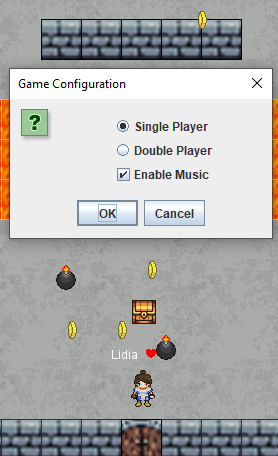
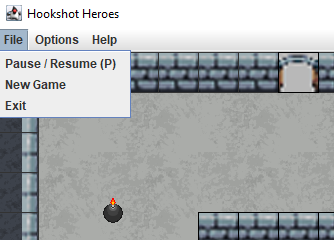
**Josh:**

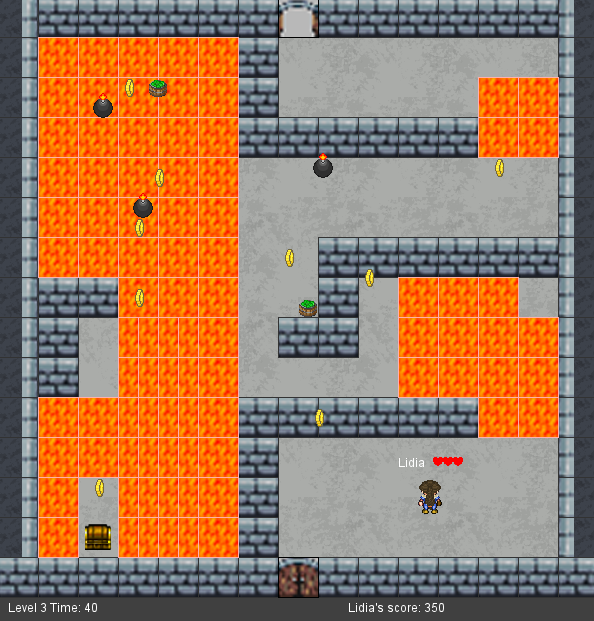
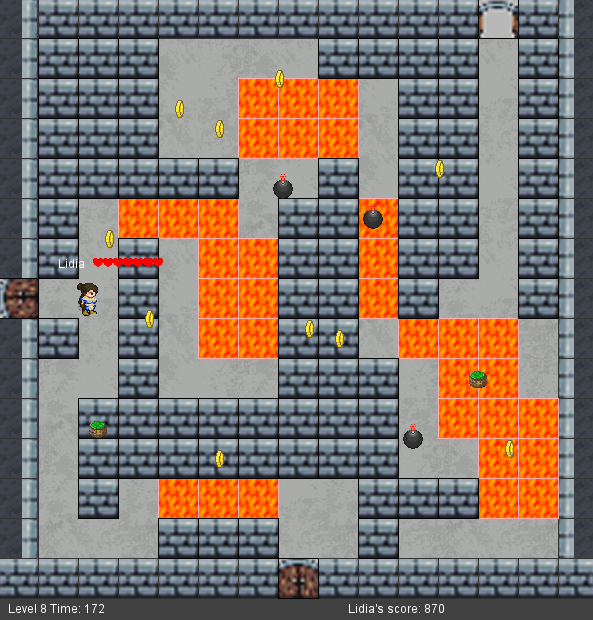
* Game design and ideas.
* Grapple mechanism and design.
* Play testing.

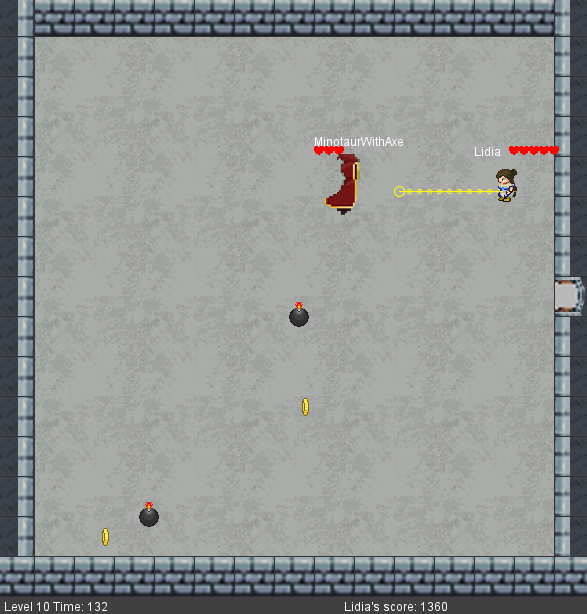
About the Game:

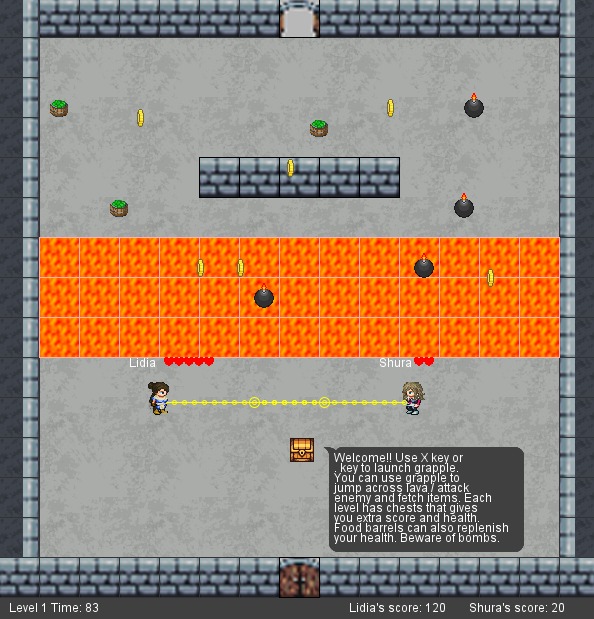
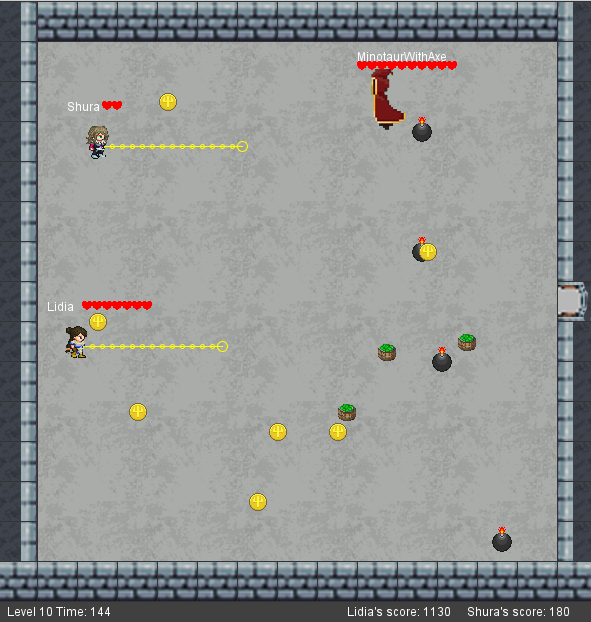
In a realm shrouded in mystery, Lidia, a brave and determined heroine, embarks on a perilous journey. Drawn by the allure of hidden treasures and ancient secrets, she fearlessly enters the dungeons. Empowered by the legendary "hookshot," a grappling hook that fused to her arm, Lidia defies danger and navigates treacherous terrain. With each triumph over enemies and the acquisition of precious loot, she inches closer to the ultimate prize. Driven by unwavering bravery, Lidia's quest for glory unfolds as she unravels the depths of the dungeons, leaving an indelible mark upon the annals of Eldoria's history.



 Interactive Menus:

Navigate 10 unique dungeons!

Two unique boss fights:

Two Player Mode:

References (Needs to be formatted correctly)

Lidia Sprite Sheet, (Username) [Yamilian](https://opengameart.org/users/yamilian): <https://opengameart.org/content/lpc-heroine>

Shura Sprite Sheet, (Username) [Yamilian](https://opengameart.org/users/yamilian): <https://opengameart.org/content/lpc-heroine-2>

Mage Sprite Sheet, (Username) [K0huro](https://www.reddit.com/user/K0huro/): <https://www.reddit.com/r/PixelArt/comments/raaip5/an_8_directional_sprite_of_a_mage_for_a_game_of/>

Dungeon Wall Sprite Sheet, (Username) [**Daniel Siegmund**](http://danielsiegmund.nl/pixelart): <https://opengameart.org/content/16x16-pixel-art-dungeon-wall-and-cobblestone-floor-tiles>

Lava Sprite, (Username) [**davesch**](https://opengameart.org/users/davesch): <https://opengameart.org/content/16x16-and-animated-lava-tile-45-frames>

Coin Sprite, (Username) [**morgan3d**](https://opengameart.org/users/morgan3d): <https://opengameart.org/content/spinning-gold-coin>

Bomb Sprite, (Username) [**IndigoFenix**](https://opengameart.org/users/indigofenix): <https://opengameart.org/content/bomb-2>

Barrel Sprites, (Username) [**AntumDeluge**](https://opengameart.org/users/antumdeluge): <https://opengameart.org/content/barrels-mage-city-arcanos-remix>

Floor Sprite by Bryce

Main Image by Bryce

Atmosphere (Main Background Music) Name: Scarey Atmospheres Ch 2. By**:** David Fesliyan <https://www.fesliyanstudios.com/royalty-free-music/download/scarey-atmospheres-ch-2/163>

Coin Sound Effect? <https://www.youtube.com/watch?v=mQSmVZU5EL4>

Crunch Sound Effect? <https://opengameart.org/content/7-eating-crunches>

Explosion Sound Effect? <https://opengameart.org/content/9-explosion-sounds>

Boss Music? <https://opengameart.org/content/lava-area-theme>

Walk Sound Effect? <https://opengameart.org/content/512-sound-effects-8-bit-style>

Whip Sound Effect? <https://opengameart.org/content/whip-sound>

Flying terror: <https://opengameart.org/content/flying-terror>

Monster sounds:

<https://opengameart.org/content/monster-and-creatures-sound-effects-pack-001>

<https://opengameart.org/content/monster-sound-tutorial>

Skeleton: <https://opengameart.org/content/lpc-skeleton>

Avalon: <https://opengameart.org/content/whispers-of-avalon-archer-sprite>

Mission guide: <https://opengameart.org/content/sara-2-0>

Characters pack: <https://opengameart.org/content/edited-and-extended-24x32-character-pack>

Castle interior: <https://opengameart.org/content/rpg-indoor-tileset-expansion-1>

<https://opengameart.org/content/16x16-indoor-rpg-tileset-the-baseline>

Victory theme: <https://opengameart.org/content/pretty-maiden-medievalfantasy-game-cheerful-opening>

Town sprites: <https://opengameart.org/content/lpc-medieval-village-decorations>

<https://opengameart.org/content/lpc-animated-water-and-waterfalls>

https://opengameart.org/content/rpg-tiles-cobble-stone-paths-town-objects

Terrains: <https://opengameart.org/content/lpc-terrains>