

CMPT276 Game: Dungeon Escape

Our Java game consists of a dungeon themed, PAC-MAN styled game, wherein a player takes on the role of a treasure hunter. The main character begins a journey from the lower-left corner of the dungeon; their primary objective being to collect all three of the skulls located around the map. Once all three skulls have been collected the main gate unlocks at the top of the dungeon and the player is allowed to escape with all their collected loot. The player's must avoid confrontations with ghosts and various hazards that could jeopardize their escape plan. Ghosts roam the dungeon in search of the player, killing the player instantly upon contact, resulting in a game over. As the player collects more treasure, their score increases, the final score being presented at the close of the game. Various hazards exist on the map; there are water, spike and lava traps, each of which have a different effect on the player. Water slows the player down, spikes decrease the player's score, and lava kills the player instantly. Ghosts however, are unaffected by all hazards in the game, and possess the ability to move through walls for a short period of time following the player obtaining a skull. There is no time limit to this game. All obstacles will require careful planning to maneuver around potentially game ending situations (i.e., contact with a ghost or hazards). To add a challenge for seasoned players, three difficulty levels will be available for choice in the game menu. As the difficulty increases, so too does the speed of each ghost, as well as the number of skulls that must be collected to open the dungeons gate.

The game's basic implementation involves creating classes for the board, players, enemies, items, and hazards, allowing for exciting, strategic gameplay. Utilizing Java Swing for the GUI enables the user to experience immersive visuals and interactive elements, enhancing the player's experience of heisting a haunted dungeon. With its thrilling premise and intuitive gameplay, players will be able to immerse themselves in the adrenaline-fueled quest for treasure within the confines of a haunted dungeon.