Game Project Overview

Game Title: Spectre Labs

Game Genre: Top-down adventure puzzle rooms

Description: You've signed up to be a test subject for an obscure organization and they put you inside a closed room and the only thing they tell you is to find a way out. They equip you with one of their prototype devices that connects you to the spectral world. Using problem-solving skills you must pass through the levels and uncover the secrets of the mysterious organization.

Features:

- Ample amount of levels
- Lots of sound effects
- Graphics
- Cut scenes
- Background music
- Enemy guards
- Detailed storyline
- Spectral Device
- Different puzzles in each room

Addictive Features:

- Action and graphics
- Captivating story
- Beating the game
- Sense of accomplishment
- Discovery

Description	Time
Start of School - January 13th, 2019: - Created simple sprites and objects for my game (initialize, fade, player, buttons, walls, floors, doors) - Created basic versions of rooms (title screen, level 1, tutorial, feature testing) - Finished title screen with moving selector cursors - Coded fade to black between rooms through the fade object - Coded player movement and three different types of buttons that activate when walked over - Coded sliding opening door when a certain button is stepped on - Coded push block that's constrained in an area with floor objects - Started working on ghost recording	~10 hours
January 17th, 2019: - Kept working on ghost recording and got it almost working	30 mins
January 20th, 2019: - Started coding ghost recording to accept new recordings in the current game without having to restart the game, still errors in the code	45 mins
January 30th, 2019: - Ghost recording code got too messy and broken - Restarting file and entire feature	1 hour
February 1st, 2019: - Resized room of game to have more tiles - Tried to figure out a sort of aspect ratio for the room - Planning to use a zoomed in camera that moves around with the player - Need to move the title screen options and selector code	1 hour
February 16th, 2019: - Coded one-way walking floor tiles - When the player tries walking into each of the tiles in a certain defined direction, they are unable to move that way - Added commenting to all of my code in every script and process possible	2 hours
February 23rd, 2019: - Fixed the title screen selector dots and moved the text of "start game" and "tutorial" to the center of the new sized room - Used reference objects to control the movement of the dots	45 mins

March 1st, 2019: - Continued working on the title screen selections, trying to make the selector move flawlessly - Deciding whether or not to use a different movement method for the player in my game; thinking about using isometric style and art for the main part of the game	1 hour
March 7th, 2019: - Finished coding the revised title screen selection and it now works perfectly - Started coding the player to stop moving before it tries pushing the push block into the edge of its boundary	
March 17th, 2019: - Researched using a top down 2.5D perspective rather than isometric because isometric is too rotated - Researched using paths rather than a whole script of code to control the ghost recording of the player	1 hour
March 20th, 2019: - Created new file names for game versions in the form of (NAME_TBD_V1,1)	20 mins
March 24th, 2019 NAME_TBD_V1,1: - Changed the title screen background and text colour - Worked on starting cutscene with scrolling text that appears letter by letter - I used a list to store each letter per line and add each one onto a string to display the text; when a line ends, it triggers a script that moves the drawing y position down and changes a variable to the next line list (The text starts printing on another line when one finishes but it deletes everything else that was drawn) - The text will outline the storyline of the game and maybe give a few instructions on how to play the game	3 hours
April 4th, 2019 NAME_TBD_V1,1: - Changed how I display the starting cut scene text - I'm using a string copy rather than inserting the next letter in the string each time. I copy one more character each time to print out the phrases - Instead of coding separate lines and strings that need more code, I learned about using the # symbol to create a line break in the draw_text command - I've finished the basic scrolling text I was looking for and will continue on working on more features - Setup views for my main game	2 hours

 - I used a 4:3 aspect ratio that divides by 32 pixels so it fits the tiles in the room while being easily scaled for visual ported resolution. I used a slightly larger but also 4:3 resolution to visually display and port the game so there's no stretching in the image. The view follows around my player with a zoomed in view of the room - NAME_TBD_V1,1 final: - Changed colour theme of title screen - Fixed title screen selectors - Added scrolling text for starting cutscene - Setup basic views for gameplay 	
April 8th, 2019 NAME_TBD_V1,2: - Watched tutorial videos on how to use paths	45 mins
April 10th, 2019 NAME_TBD_V1,2: - Started working on the ghost recording feature with a new code idea - I used paths instead of lists and maps saving to a file - I got my player to record points to a path every step when a key is pressed and another ghost object to playback that path when another key was pressed	1 hour
April 12th, 2019 NAME_TBD_V1,2: - Finished coding the main function of the ghost recording feature using a different method than paths - I used two lists that hold the x and y positions for the recording and record each coordinate with a timer every step - I playback the recording by setting the ghosts x and y to the right one in the list using a timer - NAME_TBD_V1,2 final: - Added basic ghost recording feature	1 hour
April 12th, 2019 NAME_TBD_V1,3: - Minor updates to the ghost recording feature - Tried to foolproof the recording and playback keys as much as possible so there's no way to break the code by hitting the keys wrong - Ghost object fades away once the recording is complete	45 mins
April 16th, 2019 NAME_TBD_V1,3: - Updates to ghost recording - Added faded player that stays where you started the recording - Added some colour effects to make interpreting things easier	1 hour & 30 mins

- Started designing levels	
April 26th, 2019 NAME_TBD_V1,3: - Worked more on designing levels - Reworked level completion code - started adding dialogue code	1 hour & 30 mins
April 30th, 2019 NAME_TBD_V1,4: - Created new version of the file to work on dialogue code and possibly rework movement system slightly - Worked on dialogue code a bit - Started working on snap to grid movement	45 mins
May 8th, 2019 NAME_TBD_V1,4: - Worked on snap to grid when the ghost recording finishes - While I was moving around as as ghost I would be sent back to my player but be in the middle of a movement code script. This meant I was sent back but kept moving to finish the move code that was started as a ghost	1 hour
May 9th, 2019 NAME_TBD_V1,4: - Added snap to grid for the y axis movement (does not work)	1 hour
May 10th, 2019 NAME_TBD_V1,4: - Added code that does not allow the recording to stop until the player is perfectly on the grid. This ensures the recording finished on a tile spot and the player goes perfectly back on the grid - Created new version of file to work on level design. - NAME_TBD_V1,4: - Added basic dialogue code - Fixed ghost recording feature - Started setting up levels - Fixed some views	20 mins
May 10th, 2019 NAME_TBD_V1,5: - Started setting up more levels - Made sure dialogue worked by the level	30 mins
May 11th, 2019 NAME_TBD_V1,5: - Added more buttons - Started setting up multi button activation - Added levers to the game	30 mins

May 15th, 2019 NAME_TBD_V1,5: - Coded levers - Coded freezing the player when dialogue is playing - Planned out all rooms for the game	1 hour
May 15th, 2019 NAME_TBD_V1,5: - Started designing more rooms - Fixed views a bit	30 mins
May 19th, 2019 NAME_TBD_V1,5: - Worked on new sprites for my game - NAME_TBD_V1,5: - Setup all rooms for game - Added more buttons and levers - Dialogue features - New sprites	1 hours
May 21th, 2019 NAME_TBD_V1,6: - Started V1,6 to work on fixing pushblocks in the game - Worked on more sprites for game	1 hour & 30 mins
May 21th, 2019 NAME_TBD_V1,6: - Added pushblock feature so you can't push it into a wall	30 mins
May 23th, 2019 NAME_TBD_V1,6: - Edited more rooms - Added buttons that require both to be activated to trigger something - Edited more sprites	2 hours
May 24th, 2019 NAME_TBD_V1,6: - Refreshed almost all sprites - Completed designing first level - Revamped dialogue function - NAME_TBD_V1,6: - Fixed pushblocks - Redid all sprites for game - Added more buttons - Redesigned first level	4 hours
May 27th, 2019 NAME_TBD_V1,7: - Finished level one and started working on level two - Started working on setting up boss and lead up to it	1 hour

May 31st, 2019 NAME_TBD_V1,7: - Worked on enemy spawning in boss room - Fixed door sprites and vertical doors	2 hours
June 1st, 2019 NAME_TBD_V1,7: - Fixed all door objects and sprites NAME_TBD_V1,6: - Worked on level design - Started on boss - Fixed a lot of sprites	2 hours
June 1st, 2019 NAME_TBD_V1,8: - Worked on boss enemy random movement	1 hour
June 4th, 2019 NAME_TBD_V1,8: - Worked on level two - Fixed multiple of same colour button in room - Revised levers and pushblock	2 hours
June 4th, 2019 NAME_TBD_V1,9: - Updated all button sprites	4 hours
June 5th, 2019 NAME_TBD_V1,9: - Worked on boss fight - Enemies - Waves - Added a script for random enemy spawning	5 hours
June 6th, 2019 NAME_TBD_V2,0: - Finished boss wave control - Converted a bunch of code to scripts - Added more random movement to enemies	3 hours
June 8th, 2019 NAME_TBD_V2,1: - Worked on player healthbar	2 hours
June 8th, 2019 NAME_TBD_V2,2: - Worked on enemy shooting	2 hours
June 9th, 2019 NAME_TBD_V2,2: - Revised start cut and storyline - Finished base of all enemy shooting	3 hours

June 9th, 2019 spectrelabs_V2,3: - Fixed some dialogue triggers - Worked on level 2 - Fixed multiple pushblock buttons	3 hours
June 10th, 2019 spectrelabs_V2,4: - Added health to enemies - Revised bullets, shooting, damage	2 hours
June 10th, 2019 spectrelabs_V2,5: - Added enemy health bars	2 hours
June 11th, 2019 spectrelabs_V2,6: - Finished enemy health bars - Revised start cut text - Added forcefield around boss	3 hours
June 11th, 2019 spectrelabs_V2,7: - Added enemy and boss sprites - Changed shooting to match where enemies are looking - Added revised laser sprites - Added effects - Added player sprites	5 hours
June 14th, 2019 spectrelabs_V2,9: - Revised enemy healthbars - Added final boss parts - Edited player sprite	3 hours
June 14th, 2019 spectrelabs_V3,0: - Fixed some player sprite glitches - Added more dialogue to storyline - Adjusted enemies per wave to balance game	2 hours
June 15th, 2019 spectrelabs_V3,0: - Worked on final boss fight	3 hours
June 16th, 2019 spectrelabs_V3,0: - Worked on final boss fight - Added some background music - Balanced boss fight more	2 hours

June 17th, 2019 spectrelabs_V3,1: - Broken pushblock against wall - Broken masks and collisions for objects - Started working on vent room	2 hours
June 17th, 2019 spectrelabs_V3,2: - Worked on control room - Finished vent	2 hours
June 18th, 2019 spectrelabs_V3,2 - spectrelabs_V3,8: - Finished boss - Worked on title screen and ending screen - Tried to fix bugs - Worked on end dialogue - Recorded video clips	5 hours
June 19th, 2019 - Finalized code - Did full testing of main game	3 hours