No.	Name	Requirement	Priority 1: Highest 3: Lowest	Rationale	Author
	Accessibility				
1	Sound Settings	The game shall allow users to change audio settings in two ways:	1	Audio settings provides accessibility and allows for more user customization.	Josue Fernandini
11	Music Settings	- Mute and adjust music volume	1	Users may get frustrated during certain levels and may feel distracted by gameplay music.	Josue Fernandini
1.1	Music Settings	- Mute and adjust music volume		Certain distinct sounds may affect users negatively.	Josue i emandim
1.2	SFX Settings	- Mute and adjust sound effects volume	1	This adds to accessibility for users who are sensitive to certain sounds.	Josue Fernandini
		The game shall have a button used for reading	_	5 11011 11311	
1.3	Sound	the story to the user. The game shall allow the user to change the		Fullfill accessibility	Jada Young
1.4	Font Size	font size.	1	Aids users who may have a visual impairment.	Josue Fernandini
1.41	Font Settings	The game shall have 4 different font sizes:	1	Having various levels of font size accomodates user preferences and various levels of impairments.	Josue Fernandini
1.42	Small Font	- Small (16px)	2	Covers for users who are more accustomed to smaller font size.	Josue Fernandini
1.43	Medium Font	- Medium (Base: 20px)	1	Having a baseline makes adjustments easier. Common font size for PC games are 18-20px.	Josue Fernandini
				Slight increase to improve the readability of the game's	
1.44	Large Font	- Large (24px)	1	text. 40% increase (from baseline) that aids users with a	Josue Fernandini
1.45	XL Font	- XL (28px)	1	high level of visual impairment.	Josue Fernandini
	Accounts	The serve shall all and the server shall all all and the server shall all all and the server shall all all all all all all all all all		Allows for allows are associated to the state of the stat	Laurdaus Ch
2	Account Creation	The game shall allow users to create an account. The game shall allows users to create a	1	Allows for player progression and score to be saved.	Jordan Chavous
2.1	Username	username.	1	A username allows distinction between accounts.	Jordan Chavous
2.11	Password	The game shall allows users to create a password for their username.	1	An password is needed to make sure nobody can access your account and mess with your progress.	Jordan Chavous
		The game shall only allow the user to access an			
2.12	Account restriction	account if they enter the correct username and password	1	Protects account access.	Austin Lantz
2.13	Password change	The game shall allow the user to change their password	1	Allows the user to reset password for security or in the event that they for get it.	Austin Lantz
2.2	Account Data	The game shall allows users to save data on the account.	1	There is no point in having an account if it doesn't save your progress.	Jordan Chavous
2.2		The game shall allow users to login on several		The data is saved on an account which should be	
2.3	Login	different days.		accessibile on any/or every day. Puzzles will be presented to the user based on their	Jordan Chavous
2.4	Account Data	The game shall collect the users ability level.	1	ability level. Ability levels need to be saved since puzzles are based	Austin Lantz
2.41	Account Data	The game shall store the users ability level.	1	upon them.	Jordan Chavous
	Audio				
3	Soundtrack	The game shall have a soundtrack.	2	Background music conveys mood and enhances user immersion, improving the overall gaming experience.	Josue Fernandini
	Sounds	The game shall have sound effects.		Sound effects keep the user intrigued with the game.	Jordan Chavous
		The game shall have a dedicated main theme		A main theme establishes the game's identity and sets	
3.1	Main Theme	for the title screen. Each level shall have distinct background music	2	the initial mood for the player. Distinct level music provides variety, adds to the	Josue Fernandini
3.2	Level Music	that loops infinitely.	2	atmosphere, and can make a level more memorable.	Josue Fernandini
		The game shall play a distinct sound effect		Sound effects provide immediate feedback, confirming that an action has been taken or that the game state	
3.3	Sound Effects	when:	3	has changed.	Josue Fernandini
3.31	Sound Effects	- A new hint is unlocked	3	A sound effect for a new hint can convey the feeling like something has been unlocked.	Josue Fernandini
3.32	Sound Effects	- A puzzle is solved	3	A sound effect for solving a puzzle gives the user a feeling of achievement.	Josue Fernandini
	Sound Effects	- A puzzle is failed		0	Jordan Chavous
		The game shall have dedicated music for		A dedicated ending theme lets the user reflect on the game's experience. It also gives the user a feeling of	
_	- 1: -:		2	achievement.	Josue Fernandini
3.4	Ending Theme	beating the game.	_		
3.4	Ending Theme Character			Character customization provides a necessal	
		The game shall provide a character creation process.		Character customization provides a personal connection to the application.	Josue Fernandini
4	Character	The game shall provide a character creation	2		Josue Fernandini
4.1	Character Character Creation Character Creation	The game shall provide a character creation process. The user shall customize these attributes:	2	connection to the application. Customization options add to player expression, replayeability, and uniqueness. Naming a character provides personalization, role-	Josue Fernandini
4.1 4.11	Character Character Creation Character Creation Character Name	The game shall provide a character creation process. The user shall customize these attributes: - A character name	2 2	connection to the application. Customization options add to player expression, replayeability, and uniqueness. Naming a character provides personalization, role-playing opportunities, and an identity. Custom avatars can add to the immersion of using the	Josue Fernandini Josue Fernandini
4.1 4.11	Character Character Creation Character Creation	The game shall provide a character creation process. The user shall customize these attributes: - A character name - A character avatar	2 2	connection to the application. Customization options add to player expression, replayeability, and uniqueness. Naming a character provides personalization, role-playing opportunities, and an identity. Custom avatars can add to the immersion of using the application and player expression.	Josue Fernandini
4.1 4.11 4.12	Character Character Creation Character Creation Character Name	The game shall provide a character creation process. The user shall customize these attributes: - A character name - A character avatar The game shall provide the user with an inventory system.	2 2 2 2 3	connection to the application. Customization options add to player expression, replayeability, and uniqueness. Naming a character provides personalization, roleplaying opportunities, and an identity. Custom avatars can add to the immersion of using the application and player expression. An inventory system allows players to acquire, organize, and use items, to support level progression.	Josue Fernandini Josue Fernandini
4.1 4.11 4.12 4.2	Character Creation Character Creation Character Creation Character Name Character Avatar	The game shall provide a character creation process. The user shall customize these attributes: - A character name - A character avatar The game shall provide the user with an	2 2 2 2 3	connection to the application. Customization options add to player expression, replayeability, and uniqueness. Naming a character provides personalization, role-playing opportunities, and an identity. Custom avatars can add to the immersion of using the application and player expression. An inventory system allows players to acquire,	Josue Fernandini Josue Fernandini Josue Fernandini

4.32	Sort	- Sort items alphabetically	2	A sorting feature allows the user to organize their inventory.	Josue Fernandin
4.4	Character update	The game shall let the user update their avatar	3	Users can update their avatar to refelct their style	Austin Lantz
4.41	Name update	The game shall let the user update their name	3	User can update the name according to their preference	Austin Lantz
	Difficulties				
		The game shall allow the user to select the level		Users like to have control over how difficult their game	
5.1	Options	of difficulty.	1	is for a better experience.	Austin Lantz
		The game shall have 3 levels of difficulty (Easy,		In an escape room there are different levels usually depending on what room you pick determines the level	
5.11	Scale	Medium, and Hard).	1	of difficulty.	Jada Young
				Having a medium baseline for the difficulty allows the	
5.12	Default	The game's default difficulty shall be Medium.	2	game to either: lighten up, ramp up in difficulty.	Josue Fernandii
		The game shall progress through levels of		The goal of the game is to help the user develop their	
5.2	Game Progression	difficulty as the user goes through the game.	1	problem solving skills	Austin Lantz
	Game Progress				
6	Pausing progress	The game shall allow the user to pause gameplay during a session	1	Being able to pause gameplay so the user can take a break	Austin Lantz
	r dusing progress	The game shall stop the timer when the game is		Stopping the timer will not impact the users time to	Austin Luntz
6.1	Pausing a timer	paused	1	finish the level.	Austin Lantz
		The game shall save the users progress when			
6.2	Save points	the user selects the save button	1	The user may need to take a break but may want to save	Austin Lantz
	Save lav-1	The game shall any other ways by 1	_	When the user saves they can resume playing in the	A
6.3	Save level	The game shall save the users level upon exit	1	same place	Austin Lantz
	Hints			Mulatela vestebles are used to the district the second sec	
7	Hint System	The game's hint system shall be based upon:	າ	Multiple variables are needed to determine what hints are given to the user.	Jordan Chavous
	System	e Same Simie System shan be based upon.		The harder the level the more hints you get and the	,ordan Chavous
7.01	Level Difficulty	-The level of difficulty.	2	easier levels should have less hints.	Jada Young
		-		Having the game keep track of how many hints they	
		The game shall lead hint was as for a sale when		used will help them see how many hint sthey have left.	
7.02	Hint Tracking System	The game shall log hint usage for each player session	2	From there, they can chose to use more or buy more if they have ran out.	Jada Young
,,,,	Time Tracking System	The game shall have an in-game currency		ancy naveran sau	Juna Touring
7.1	Currency	system to purchase hints.	3	In game currency can make the users experience easier.	Austin Lantz
		The game shall allow the user to earn additional			
	5 II III .	hints by progressing through challenges in the	2	Rewarding the player with hints after progressing	
7.2	Earnable Hints	game.	3	further can make the game more enjoyable.	Austin Lantz
0	Items Interaction	The user shall be able to interact with items.	2	Having in game items on houses game and a variety	Josue Fernandii
٥	IIIteraction)	Having in-game items enhances gameplay mechanics. Adding a variety of items gives the user more options in	Josue Fernandi
8.1	Item Types	The game shall provide the user with two item types:	3	how to interact with the game.	Josue Fernandi
		97		Having a way to add time gives the user more time to	,
8.11	Timer Increase	- Timer Increaser	3	solve puzzles and may decrease difficulty frustrations.	Josue Fernandii
				Being able to unlock free hints adds to replayeability as	
g 17	Free Hint	- Free Hint (See Hint Currency requirement 7.1)	2	users may decide to save free hints for more difficult puzzles.	Josue Fernandii
0.12	ricerime	The user shall be able to obtain items in two		Obtaining items by exploration lets the user be more	Josue i cirianan
8.2	Item Finding	ways:	3	involved with the game environment.	Josue Fernandii
				Receiving items tied to the user's actions and	
0.31	Event Items	Campalay Events	_	achievements increases replayability and provides an	locus Farrary !"
8.21	Event Items	- Gameplay Events	2	incentive to complete challenges.	Josue Fernandii
8.22	Pickup Items	- Pickup/Find	2	Allowing players to find items encourages exploration and level/environment engagement.	Josue Fernandii
J.22	Puzzles				,
9	Puzzle System	The game shall have logical questions.	1	Certain users enjoy mental/logic challenges.	Jada Young
	,	3 44 4 4 4 4 6 4 7 7		Some users enjoy solving an escape room in no	
_				particular order and most of the time in an escape room	
9.1	Progression	The game shall have a non-linear path.	1	there is no linear path.	Jada Young
		The game shall present problems at the users		Users will be presented will puzzles that provide appropriate challenges based on their ability level. We	
9.2	Difficulty	appropriate ability level.	2	want to make it fun but also challenging.	Austin Lantz
	,	The game shall present puzzles that require		Normally escape rooms require users to employ	
9.3	Puzzle Mechanics	critical thinking.	2	analytical skills.	Austin Lantz
		The game shall present puzzles that require		Escape rooms typically require users to use creative	
9.31	Puzzle Mechanics	creativity to solve.	2	thinking.	Austin Lantz
	Theme	The game shall present puzzles that adhere to the themes for each level.	2	Escape rooms are all about the experience and the story so the problems should enhance the experience.	Austin Lantz
0 4	meme	The game shall present puzzles that can be	3	story so the problems should enhance the experience.	Austii LaiitZ
9.4		reasonably solved within the specified time		Want to challenge users but not make it impossible for	
9.4		limit.	1	them to succeed.	Austin Lantz
	Difficulty				
	Difficulty Story			Having a storyline before the player starts will help	
	-	The same shall have a stand limit of the			
9.5	Story	The game shall have a story line before the	1	them understand the theme of the escape room and	Jada Young
9.5	-	The game shall have a story line before the player starts the game.	1	them understand the theme of the escape room and why they need to escape.	Jada Young
9.5	Story		1	them understand the theme of the escape room and	Jada Young
9.5	Story	player starts the game.		them understand the theme of the escape room and why they need to escape. Allowing players to choose what path they want to take will help them feel like they are progressing through the game to escape.	Jada Young
9.5	Story Introduction	player starts the game. The game shall allow the character to choose		them understand the theme of the escape room and why they need to escape. Allowing players to choose what path they want to take will help them feel like they are progressing through	

	Timer				
11	Timer System	The game shall have a time limit of 30 minutes.	1	A limit to complete the game adds to the games suspense and difficulty.	Josue Fernandin
11.1	Time Penalty	The game 's timer shall decrease on every puzzled failed based upon difficulty.	1	Time pentalization is needed in order for there to be multiple difficulties.	Jordan Chavous
11.2	Easy Mode Penalty	The game's timer shall decrease by 15 seconds per puzzle failed on the Easy difficulty.	1	A pentalization for the easy diffculty is needed to add a little suspense, but not overwelm the user.	Jordan Chavous
11.3	Medium Mode Penalty	The game's timer shall decrease by 30 seconds per puzzle failed on the Medium difficulty.	1	A pentalization for the medium diffculty is needed to add a good mix, inbetween hard and easy difficulties, of supsense and anixety.	Jordan Chavous
11.4	Hard Mode Penalty	The game's timer shall decrease by 1 minute per puzzle failed on the Hard difficulty.	1	A pentalization for the hard diffculty is needed to add alot of suspense and make the user more anxious.	Jordan Chavous
	User Interface			·	
12	Display	The game shall provide a user interface (UI) that displays essential game information.	1	Presenting relevant information to a user is a requirement of every game as it keeps players informed about the state of their character and environment.	Josue Fernandin
12.1	Timer	The game shall display a timer of 30 minutes on game start.	1	A timer is needed to add sense of danger.	Jordan Chavous
12.11	Timer	The games's timer shall indicate time left in the game.	1	Indication of time left in the game allows the user to be aware of how fast they must play in order to complete the game.	Jordan Chavous
12.2	Hints	The user shall have a way to toggle through available hints.	2	A carousel-type mechanic allows players to cycle through hints without cluttering the screen.	Josue Fernandin
12.3	Inventory	The user shall have a button to open their inventory. (See Inventory requirements 4.2 - 4.32).	3	A quick way to access a menu is necessary especially since players are on a timer.	Josue Fernandin
12.31	Inventory	The game shall have a distinct inventory interface that is layered above the current level's interface.	1	Z-indexing the inventory UI higher is a common technique found in games. It will be similar to a modal found in web applications.	Josue Fernandin
12.32	Close Inventory	The game shall have a button to close the inventory.	1	If a modal-type component is being used to display information then there has to be a way to close it.	Josue Fernandin
12.33	Sort	The game shall have a button to sort the inventory alphabetically.	2	The user must be provided with a way to organize their inventory.	Josue Fernandin
12.4	Item Layout	The game shall show an item's (See Item requirement 8 - 8.22) 3 unique properties:	2	Item information must be shown to allow users to interact with them.	Josue Fernandin
12.41	Item Name	- Item Name	1	Player's have to know the name of which item they are interacting with.	Josue Fernandin
12.42	Item Avatar	- Item Avatar	3	A unique icon or image helps player's quickly recognize an item in their inventory instead of completely relying on text.	Josue Fernandin
12.43	Item Quantity	- Item Quantity	1	Showing item quantity informs players of available resources and supports decision-making during gameplay.	Josue Fernandin
12.5	Navigation	The game shall allow the player to use navigation buttons to move around the room.	2	Some users find it easier to navigate through an online escape room by using navigation buttons(for example, google maps)	Jada Young
12.6	Save Button	The game shall have a save button.	1	Allows the user to save their progress.	Jordan Chavous
12.7	Leaderboard	The game shall show a leaderboard that contains:	3	A leaderboard shows the user game their completion attempts.	Jordan Chavous
12.71	Leaderboard Times	- Different game completion times from the user	3	Allows the user to see all of their attempts and which ones are the best or worst.	Jordan Chavous
12.8	Ending Screen	On game completion the game shall show a "The End" screen that contains:	2	An ending screen gives the user satisfation that they beat the game.	Jordan Chavous
12.81	Ending Time	- Time it took the user to complete the game	2	Allows the user to see how well they did	Jordan Chavous
12.9	Pause button	The game shall have a pause button	1	Allows the user to pause gameplay	Austin Lantz