No.	Name	Requirement	lowest)		Author	
		USER MANAGEMENT				
	User Authentication	The system shall allow users access to their account by checking username and password	1	Allows users to access their account which stores their game data	Remy Rogers	
	Account Creation	The system shall allow new users to create an account using a username and password	1	Accounts provide secure access and ensure progress can be stored	Nitin Bhupatiraju	
2.1	Account Username	The player must create a not already existing username	1	Allows player to create a name; allows system to easily identify account	Yoshitha Chilukuri	
2.2	Account Password	The player must create a password	1	Allows player to create secure the account	Yoshitha Chilukuri	
2.3	Guest Player	The system shall allow users to play as a guest without creating an account	1	Guest mode makes it easier for first time players	Aashrith Atluri	
24	Account Deletion	The system shall allow users to delete their account	3	Helps users who wish to delete the game and data	Remy Rogers	
	Account Recovery	The system shall provide a "Forgot password" option on the login screen		Password recovery ensures users can regain access to their accounts	Aashrith Atluri	
,	ACCOUNT PERCOVERY	GAME FLOW	- 4	Password recovery ensures users can regain access to their accounts	Ausmith Adult	
	Save Progress	The system shall allow players to save their current progress during gameplay	1	Saving progress will let players continue later without losing progress	Aashrith Atluri	
	Continue Game	The system shall allow players to continue saved game after login	1	Players will have the option to leave game and come back to same spot	Yoshitha Chilukuri	
5	Summary	The system shall display a summary screen at the end of a game session showing score, time, and achievements.	2	Shows players a quick overview of how they did	Yoshitha Chilukuri	
6	Tutorial	The system shall display a tutorial informing the user about how the game works and how to play	1	Ensures user understands the game before playing	Ntin Bhupatiraiu	
7	Session Timer	The system shall warn the player when a time threshold is reached (e.g., 5 minutes remaining)	3	Creates urgency in players	Yositha Chilukuri	
	Warning Alerts	The system shall provide players with warnings as timer nears end	2	Allows users to stay mindful of the time	Yoshitha Chilukuri	
	Pause/Resume	The system shall allow players to resume the game from the point where they paused		Players will have option to take a quick break from game	Ynshitha Chilulusi	
			3			
	Difficulty Levels	The system shall provide multiple difficulty levels	1	Players should have the option to pick a level based on their gaming confidence		
10.1		- Easy Level	1	Beginners should have a level to play with to encourage replayment	Yoshitha Chilukuri	
10.2		- Medium Level	1	Intermediate players should have a level to play in	Yoshitha Chilukui	
10.3		- Hard Level	1	Experienced players will be challenged; encourages replayment	Yoshiha Chilukuri	
11	Checkpoints	The system shall automatically save the player's progress at each checkpoint	1	Automatic saving ensures players can resume from the last checkpoint	Aashrith Atluri	
	Game Over Conditions	The system shall end the game when the user has completed all puzzles	- 1	Allows the user to win the game	Remy Rogers	
12.1		The system shall end the game when the user makes 5 mistakes on easy difficulty	1			
12.1		The system shall end the game when the user makes 3 mistakes on easy directly. The system shall end the game when the user makes 3 mistakes on moderate difficulty.				
			-			
12.3		The system shall end the game when the user makes 1 mistake on hard difficulty	- 1			
13.4		The system shall end the game when the user requests	1	Allows the user to end the game if they cannot solve the puzzle	Remy Rogers	
13.5		The system shall end the game when the timer runs out	1	Stay consistent with timer	Yoshitha Chilukuri	
14	Start New Game	The system shall allow the user to replay the game	1	Allows the user to replay the game	Remy Rogers	
14.1		The system shall have varied puzzles when the game is replayed	2	Gives the user a unique experience every game replay	Yoshitha Chilukuri	
15	Multiple Endings	The system shall provide up to 3 possible endings that reflect player choices and actions throughout the game	2	Inspires players to keep playing and promites players to think about choices	Yoshitha Chilukuri	
15.1		The system shall provide 3 closing scenes depicting the respective ending		Depicts the outcomes to players; to see story's conclusion	Yoshitha Chilukuri	
	Opening Cutscene	The system shall provide 1 opening scene to the game	9	Depicts the story to players; sets up the scene and mood	Yoshitha Chilukuri	
10	Opening Coacene	GAMEPLAY MECHANICS	3	Depicts the story to players, sets up the scene and mood	Toursma Critical	
	Leaderboard	The system shall store player name for the purpose of a leaderboard	1	Enables competitioness between users, and allows for replayability	Nitin Bhupatiraju	
17.1	Sort By Best Time	The system shall sort the displayed leaderboard by fastest completion times	1	For user convenience, provides the option to view players best times	Yoshitha Chilukuri	
				For user convenience, the option to sort player names by ABC will make it easy to find your own name		
17.2	Sort by ABC Option	The system shall sort the displayed leaderboard by ABC upon user interaction	2		Nitin Bhupatiraju	
17.2	Sort by most points Option	The system shall sort the displayed leaderboard by most points upon user interaction		For user convenience, the option to sort player scores by most allows quick plances at who is in the leader	Nitin Bhupatiraju	
	Puzzle Validation	The system shall validate players inputs to determine if a puzzle is solved correctly		Ensures that players can only progress after correctly completing puzzles	Aashrith Atluri	
			2			
19	Puzzle Retries	The system shall allow players to retry a puzzte if they fail to solve it	2	Allowing retries for players keeps the game engaging	Aashrith Atluri	
20	Puzzle Escalation	The system shall increase puzzle complexity based on game progression		Increasing puzzle complexity keeps the game challenging and prevents houseless	Aashrith Athuri	
	Inventory			An inventory system will allow players to keep track of collected items	Aashrith Atluri	
		The system shall allow players to collect items during gameplay and store them in an inventory	2	Helps players keep track of what is in their inventory		
	Inventory Reminder	The system shall allow players to check inventory at will	3		Yoshitha Chilukuri	
	Item Feedback	The system shall inform players when items are used or thrown away	3	Ensure players are aware that they used or disposed of items	Yoshitha Chilukuri	
	Hint System	The system shall provide hints to players when requested during gameplay	2	Helps players overcome difficult puzzles, improving overall engagement	Yoshitha Chilukuri	
24.1	Hint Limits	The system shall provide up to 5 hints on easy difficulty	1	Allows players to have a limited number of hints based on easy difficulty	Remy Rogers	
24.2	Hint Limits	The system shall provide up to 3 hints on moderate difficulty	1	Allows players to have a limited number of hints based on moderate difficulty	Remy Rogers	
24.3	Hint Limits	The system shall provide up to 1 hint on hard difficulty	- 1	Allows players to have a limited number of hints based on hard difficulty	Remy Ropers	
	Penalties	The system shall apply penalties to players when mistakes are made during gameplay	1	Encourages players to play correctly: increases pressure of game	Yoshitha Chilukuri	
	Point Deduction	The system shall deduct points from the player's score when an incorrect action or puzzle solution occurs.	1	Encourages players to play correctly, increases pressure of game	Yoshitha Chilulusi	
	Notify User			Informs users of the mistake so they can learn and do better next time	Yoshitha Chilukuri	
		The system shall notify the player clearly when a penalty is applied, specifying the type and reason for the penalty	2			
	Navigation	The system shall have navigation controls for player to move around	1	Allows players to interact with game more	Yoshitha Chilukuri	
27	Reward Points	The system shall award players with points when discovering items, unlocking doors, and correctly answering puzzles	1	Encourages players to play correctly	Yoshitha Chilukuri	
		L		Informs user of what they did good so they can apply that knowledge in next		
	Notify User	The system shall notify the player clearly when a reward is earned, specifying the type and reason for the reward	2	games	Yoshitha Chilukuri	
	Certification	The system shall award the user with a certificate after completing the game	1	Allows users to know when game has ended and they have succeeded	Remy Rogers	
	Cerification Storage	The system shall store users certificates	2	Allows users to see the certificates they have earned	Remy Rogers	
0	NPC	The system shall incorporate at least 1 NPC that player can interact with for story-telling purposes	3	Makes game more immersive and develops game's story	Yoshitha Chilukuri	
		AUDIO/SFX				
	Positive Interaction Audio	The system shall produce a "celebratory" sound effect when players collect items and unlock doors	3	Makes game more immersive; sets the mood for game	Yoshitha Chilukuri	
	Negative Interaction Audio	The system shall produce a "negative" sound effect when players lose points and guess incorrectly	3	Makes game more immersive; sets the mood for game	Yoshitha Chilukuri	
	Background music	The system shall play background music during gameplay	3	Makes game more immersive; sets the mood for game	Yoshitha Chilukuri	
		PUZZLES		Provide and the former of the control of the contro		
	Word Puzzle	The system shall incorporate word puzzles in the game	1	Puzzle variety keeps player interested in game; offers unique challenges	Yositha Chilukuri	
		The system shall incorporate at least 1 anagram in the game	1	Puzzle variety keeps player interested in game; offers unique challenges	Yoshitha Chilukuri	
	-ciphei	rs The system shall incorporate at least 1 cipher in the game	1	Puzzle variety keeps player interested in game; offers unique challenges	Yoshitha Chilukuri	
	-riddle	is The system shall incorporate at least 1 riddle in the game	1	Puzzle variety keeps player interested in game; offers unique challenges	Yoshitha Chilukuri	
	Physical Puzzle	The system shall incorporate puzzles where player is moving	- 1	Puzzle variety keeps player interested in game; offers unique challenges	Yoshitha Chilukuri	
		te. The system shall incorporate at least 1 maze in the game.		Puzzle variety keeps player interested in game; offers unique challenges	Yoshitha Chilukuri	
				Puzzle variety keeps player interested in game; others unique challenges Puzzle variety keeps player interested in game; offers unique challenges		
		ct The system shall incorporate at least 1 assembling puzzle in the game	1		Yoshitha Chilukuri	
	Memory Puzzle	The system shall incorporate memory puzzles in the game	1	Adds memory puzzles that create a variety in puzzles needed to win	Remy Rogers	
				Puzzle variety keens player interested in name: offers unique challenges		

Adds memory puzzles that create a variety in puzzles needed to win Puzzle variety keeps player interested in game; offers unique challenges

Puzzle variety keeps player interested in game; offers unique challenges Yoshitha Chilukuri

Includes coloricon memory puzzles that add visuals to the game

-audio memory The system shall incorporate at least 1 audio memory puzzle

-picture memory The system shall include at least 1 visual memory puzzles

Yoshitha Chilukuri

Remy Rogers