TLG Week 2 Project Overview

Travel through rooms to find and stop the source of the radiation leak that is poisoning your village water supply Game Layout: 4 rooms on a military base: (Defined in 'Rooms') Room 1- Entry way room Room 2- Science Lab Room 3- Pump Room Room 4- Armory Game Play: Configure Player with name, and Skill Points (Defined in 'Skills') Player is spawned into Room#1 and is shown a list of possible actions. (Defined in 'Logic') Player types in an action that they want to do. i.e. Player types "LOOK" to view what is inside the current room. Player can interact with a listed object by typing "I" followed by the name of the object to 'inspect' it * Player can 'hack' a terminal to open a nearby door that contains an interesting object Player Actions: Choose Player Name * Distribute four total skill points among the skills defined in 'Skills': Terms: * HP Health Points = How much damage a player can sustain before dying * EP Endurance Points = How much damage vou can move or attack per turn * DP Damage Points= How much damage you can do per attack ENHANCEMENTS TO SAVE FOR LATER VERSIONS: Hacking a Terminal Mini-Game Hacking tarts a new mini-game to guess a random number 1-10 for the terminal. The terminal number to guess is random each hacking attempt. After 4 incorrect guesses the terminal is locked forever. Player can 'hack' a terminal to open a nearby door that contains an interesting object Add Weapons (see 'Weapons')	G We	ek 2 Project
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Add Enemies (see Enemies)	Ad	d Enemies (see 'Enemies')

TLG Week 2 Project Logic

ΑN	IE TUR	NS						
	PLAYER ACTION		GAME RESPONSE	PLAYER ACTION	GAME RESPONSE	PLAYER ACTION		
	LOOK		show all room contents					
	I		show seletected object & ask for next action	Choose Next Action	Executes desired Player Action			
*	INV		Show inventroy such as Weapons and healing items					
*	AT		Show attributes such as Health, Carry wieght and Skill points					
V۸	MDIE	2 A N	IE TURNS					
		JAIV	IE IURNS					
	PLAYER ACTION	RM#	GAME RESPONSE	PLAYER ACTION	GAME RESPONSE	PLAYER ACTION	GAME RESPONSE	NEXT ACTION
	LOOK	1	Science Lab	I Science Lab	You enter the Science Lab			
	LOOK	2	Entry Way	I Entry Way	You enter Entry Way			
	LOOK	2	Pump Room	I Pump Room	You enter the Pump Room			
	LOOK	3	Science Lab	I Science Lab	You enter the Science Lab			
	LOOK	3	Armory	I Armory	You enter the Armory			
	LOOK	4	Pump Room	I Pump Room	You enter the Pump Room and see a termial. Do you want to access it?	Y	Termial is locked and is asking for a key card	
	LOOK	4	Armory	LOOK	You see a key card on a table. Do you want to pick it up?	у	You found a key card.	
	LOOK	4	Pump Room	I Pump Room	You enter the Pump Room and see a termial. Do you want to access it?	Υ	What do you want to do with the terminal	I Key Card
*	LOOK	1	door, termial, stairway, desk	IDESK	You found intel book, do you want to read it?	Υ	You gained 1 Intel Skill Point	
*	LOOK	1	door, termial, stairway, desk	I DESK	Desk is empty			
*	LOOK	1	door, termial, stairway, desk	I DOOR	Door is locked			
*	LOOK	1	door, termial, stairway, desk	I TERMINAL	the termanial can be hacked by a skill of 1 in intel	HACK	CPU checks players Intel stat	IF Player has enough Intel Skill Points THEN the terminal is hacked Termial says "Door is unlocked"
*	LOOK	1	door, termial, stairway, desk	I DOOR	Door opens and you find an MRE, do you want to keep it	Υ	CPU adds MRE to inventory	
*	LOOK	2	door, termial, stairway, desk, military case, emergency box	I CASE	You open the case and find a Strength Book, Would you like to read it?	Y	You gain 1 Strength point	
*	LOOK	2	door, termial, stairway, desk, military case, emergency box	IBOX	You open the glass case and find a fire axe, do you take the fire axe?	Υ	axe added to inventory	
*	LOOK	3	termial, stairway, desk, gun case, military case	I TERMINAL	The terminal appears to be the main shut off valve control	Y	"You have stopped the source of the radiation. Congratulations (Game Over)"	

TLG Week 2 Project Rooms

R	OOMS					
	ROOM#	Name	SIZE (horiz)	SIZE (vert)	INTERACTABLE OBJECTS	LEADS TO
	Floor 1	RM 1- Entry way room	9	9		
*	1	"			Desk-1	Random Skill Book
*	1	"			Terminal	Unlocks Door-1
	1	"			Stairway-2	RM 2
*	1	"			Door-1	2 MREs
	Floor 2	RM 2- Science Lab	Х	у		
*	2				Terminal	Unlocks Door-2
	2	"			Stairway-1	RM 1
	2	"			Stairway-3	RM 2
k	2	"			Emergency Box	Axe
*	2	"			Military Case	Random Skill Book & Random Healing Object
*	2	"			Door-2	IFAK and Intel book
	Floor 3	Rm 3- Pump Room	Х	у		
*	3				Desk-2	Random Skill Book
	3	"			Terminal	End Screen
	3	"			Stairway-2	RM 2
	3				Stairway-4	RM 4
k	3	"			Gun Case	AK
k	3	"			Military Case	Random Book and Random Healing
	Floor 4	RM 4 - Armory			Stairway-3	
	4				Key card	
	4				Stairway-3	
	* Enhanc	cements to save for LATER	VERSIONS	<u> </u>		

TLG Week 2 Project Objects

ОВ	JECTS										
INTE	ERACTIVE OBJECTS										
	OBJECT NAME	DESCRIPTION	ACTION	STATE	CONTAINS / YIELDS /	ROOM LOC(s)					
*	Door	A door that may be Unlocked by Hacking a Terminal	Terminal.unlock(door)	Locked / Unlocked	Consumable Object	1, 2					
	Stairway	A path between Rooms	Player.Use(stairway)	Travelled / Not Travelled	Unlocked Door	1,2,3,4					
	Pump Control Terminal	Pump controller that needs a keycard to use	Use Key card on terminal	Locked / Unlocked	Results on winning the game	3					
	Key card	Key card that unlocks pump control terminal	add to inventoy		Unlocks Pump Control	4					
*	Termial	A computer that when Hacked Unlocks a Door	Player.Hack(terminal) Terminal.Unlock(door)	Hackable / Hacked / Permanently Locked	Unlocked Door	1,2,3					
*	Desk	An object that when Searched will yield an Object	Player.Search(desk)	Empty / Full	Random Object: Healing_Consumable or Skill_Book	1,3					
*	Military Case	An object that when Searched will yield an Object	Player.Search(object)	Empty / Full	Random Object: Healing_Consumable or Skill_Book	2,3					
*	Emergency Box	An object that when Searched will yield an Object such as a Fire Axe	Player.Search(object)	Empty / Full	Fire Axe	2					
*	Gun Case	An object that when Searched will yield an Object such as a Gun	Player.Search(object)	Empty / Full	AK-47	3					
INVE	ENTORY OBJECTS										
									SKIL	L POINTS A	DDED
	OBJECT NAME	DESCRIPTION	ACTION	STATE	UNIT		WEIGHT (lbs)	HEALTH ADDED (HP)	INTELLI- GENCE (ISP)	ENDUR- ANCE (ESP)	STRENGTH (SSP)
*	Skill Book:Intel	When read adds Intelligence Points	Player.Read(book)	Read / UnRead	Intelligence Skill Points		1	\ /	1	(=0.)	(55.)
*	Skill Book:Endurance	When read adds Endurance Points	Player.Read(book)	Read / UnRead	Endurance Skill Points		2		•	1	
*	Skill Book:Strength	When read adds Strength Points	Player.Read(book)	Read / UnRead	Strength Skill Points		3			-	1
*		Meal Ready-to-Eat, Adds HP	Inventory.Add(obj), Player.Consume(obj)	Sealed / Consumed	HP		2	5			
*	Healing_Consumable:IFAK	Individual First Aid Kit, Adds HP	Inventory.Add(obj), Player.Consume(obj)	Sealed / Consumed	HP		4	10			
*	Weapon	Player may have one or more weapons	Use / Return to Inventory	In-Inventory / In-Use			n				
*	* Enhancements to save f	OF LATER VERSIONS									

TLG Week 2 Project Player

	ATTRIBUTE	DESCRIPTION	DATA TYPE	BASE	UNIT
	Name	Player Name	String		
*	Inventory	List of objects that a player can carry	Inventory		
*	Carry weight	Maximum total capacity of the weight of items in inventory	int	50	Lbs
*	Health (Stat)	Increases with health objects, decreases with exertion	int	10	HP
*	Endurance Level (Stat)	Ability to	int	10	ESP
*	Intelligence Level (Stat)	Ability to perform Hack and Attack	int	0	ISP
*	Strength Level (Stat)	Ability to	int	0	SSF
*	Hack Skill Level	Ability to hack a Terminal, determined by ??	int	0	SP
*	Weapon *	Player has one in-use weapon, others may be in Inventory	Weapon		
	Logic				
*	Check_Health_Status()	See if player is healthy, dead, etc			
*	Show_Skill_Point_Stats()	Show Player Name, and Skill Point Stats			
*	Show_Inventory()	Show Player Name, and Inventory Items			
*	Calculate_Total_Inventory_Weight()	Sum the weight of all items in inventory			
*	Configure Player()	Set all player attributes			
*	Update_Skill(skill)	Update a skill level increment or decrement			
*	Hack(Terminal)	Attempt to Hack the Terminal Check the hack skill level			
*	Use (Consumable_Object)	Use the consumable and add the HP to Player			
*	Use (Weapon)	Ready weapon for use			
*	MoveToInventory(Weapon / Item)	Move item to inventory if under weight maximum			

TLG Week 2 Project Inventory

IN	VENTORY_ITEM						
	ATTRIBUTE	DESCRIPTION	DATA TYPE	BASE	UNIT	LOGIC	LOGIC
*	ID	Item ID	String	0			Show
*	NAME	Item Name	String	""		Update	Show
*	WEIGHT	Item weight	int	0	Lbs	Update	Show
*	TYPE	Type of item -(See Objects)	Object	-	Item	Update	Show
*	QTY	Item Quantity	int	0		Update	Show
*	QTY_MAX	Maximum allowed	int	0		Update	Show
	Logic						
*	Update(item)	Change the item					
*	Show_Item_Weight()	Return weight of item					
*	Show_Item_{attribute}()	Return the value of {attribute}					
*	* Enhancements to save for L	ATER VERSIONS					

TLG Week 2 Project Weapons

WE	EAPON TYPE	S									
	WEAPON	WEIGHT (lbs)	DESCRIPTION	CHANCE TO HIT ENEMY	WEAPON DAMAGE (HPs)	ENDUR- ANCE (ESP)	EFFECTIVE RANGE (meters)	ACTIONS AVAILABLE	ENHANCED BY	АММО	CAPACITY
*	Combat Knife	2	Close range short melee weapon damage is effected by Strength skill	50%	3	-2	1	standard issue	Strength Skill	N/A	1
*	Fire Axe	8	Close range Long melee weapon. May be found in various containers throughout the game	60%	6	-4	2	add to inventory	Strength Skill	N/A	1
*	M-1911 pistol	3	Medium range standard issue pistol	50%	2	-1	5	standard issue	Intel. Skill	0.45	9 bullets per mag.
*	AK-47 Rifle	6	Long range rifle.	60%	4	-3	10	add to inventory	Intel. Skill	7.62x39	30 bullets per mag.
*	*.45 ammo	2	For later version					add to inventory			
*	*7.62x39 ammo	4	For later version					add to inventory			
*	* Enhancements	to save fo	r LATER VERSIONS								

TLG Week 2 Project Enemies

El	NEMY TYPES				
*	ENEMY	DAMAGE (HPs)	ENDURANCE (EPs)	EFF. RANGE (meters)	CHANCE TO HIT PLAYER
*	Large Rat	2	4	1	50%
*	Mutant	4	8	2	60%
*	ATTRIBUTE	DESCRIPTION	DATA TYPE	BASE	UNIT
*	Name	Enemy Name	String		
*	Damage_Delt	Amount of damage delt per turn			
*	Endurance_Stat	Strength level		0	
*	Alive	Alive (True) / Dead (False)	Boolean	Т	T/F
*	Effective_Range	Number of meters attack can take place	int	0	
*	Accuracy	Percent chance to hit player	int	0	
*	Logic				
*	Attack(points)				
*	Move(cellCount)				
*	LosePoints(int)	Deduct {int} points from Endurance stat			
*	Die()				
*	* Enhancements	to save for LATER VERSIONS			

TLG Week 2 Project Skills

SK	ILLS						
		CHORT		DAGE	INODE A CED	DDIMADV	OF COMPARY
	SKILL	SHORT NAME	DESCRIPTION	STAT	INCREASED BY	PRIMARY SKILL	SECONDARY SKILL
*	Intelligence Skill Level	ISP	Determines Hack Skill and Gun Skill	0	Book.read()	Gun Attack	Hack
*	Strength Skill Level	SSP	Determine Carry Weight and Melee Ability	0	Book.read()	Melee	Carry Weight
*	Endurance Skill Level	ESP	Determines HP and EP	0	Book.read()	Health	EP
*	* Enhancements to sa	ave for L	ATER VERSIONS				