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Run (controller)		
• run the game		CommandLine (calls)SceneManager (calls

CommandLine (Basic Command Line Inte	erface)	
Identifies inputs and sends to associated controller classes	All controller classes	

Quest Manager (Controller)	
 Receive input information from console Call CompleteQuest, AcceptQuest, FailQuest 	CompleteQuest (calls)AcceptQuest (calls)FailQuest (calls)

	CompleteQuest (Use case)	
•	Modify Quest Entities Modify Player quest journal and add rewards and remove quest items if any	 Quest (Modify) Player (Modify) QuestManager (called by)

AcceptQuest (Use case)	
 Modify Quest entities Modify Player's quest journal and add quest items if any 	 Quest (modify) Player (modify) QuestManager (called by)

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FailQuest (Use case)	
 Modify Quest entities Modify Player's quest journal and remove quest items if any 	 Quest (modify) Player (modify) QuestManager (called by)

Abstract Quest (Entity)	FetchQuest, CombatQuest
 Store state of quest (unaccepted, accepted, failed, completed) Store rewards for quest completion 	FailQuest (modified by)AcceptQuest (modified by)CompleteQuest (modified by)

FetchQue	Quest (Entity)
Store item required for completion	 FailQuest (modified by) AcceptQuest (modified by) CompleteQuest (modified by)

	CombatQuest (Entity)	Quest
•	Store information about combat requirement for completion	 FailQuest (modified by) AcceptQuest (modified by) CompleteQuest (modified by)

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CharacterManager (Controller) Recieves input information from console Calls the multitude of case classes we haven't come up with yet InventoryChange (modified by)

InventoryChange (Use case)	
Adds or removes an item from a Character entities' inventory	 Character (modifies) PlayerCharacter (modifies) NonPlayerCharacter (modifies) CharacterManager (called by)

Abstract Character (Entity)	NonPlayerCharacter, PlayerCharacter	r
Stores InventoryStores stats such as Health, Mana?, Stamina?, TrashinessStores specific actions (such as combat moves)	 InventoryChange (modified by) 	

PlayerCharacter (Entity)	Character
Store Skills/Proficiencies (such as level 2 proficiency in stealing)	InventoryChange (modified by)

NonPlayerCharacter (Entity)	Character
Stores dialogueStores quests available from this npc	InventoryChange (modified by)

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CombatManager (Controller) Receives input information from the console Calls Damage, StatusEffect, EndCombat StatusEffect (calls) EndCombat (calls)

Damage (Use case)	
 Calculates whether an attack lands If the attack lands, calculates damage Modifies Character entity to reduce their temporary health (as apposed to their maximum health) 	 Character (modifies) PlayerCharacter (modifies) NonPlayerCharacter (modifies) CombatManager (called by)

StatusEffect (Use case)	
Modifies a Character entity to have a status effect.	 Character (modifies) PlayerCharacter (modifies) NonPlayerCharacter (modifies) CombatManager (called by)

EndCombat (Use case) Handles completing combat Sends rewards if any to CharacterManager Sends changes if any to WorldStateManager WorldStateManager (sends changes) CharacterManager (sends rewards)

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WorldStateManager (Controller) Takes input from other classes and executes related use cases All other controller classes TextCommandLine (Receives input)

ModifyWorldState (Use case) Placeholder for use cases that will modify world state receives information from WorldStateManager Modifies world state WorldStateManager (called by) WorldState (modifies)

	WorldState (Entity)	
•	Holds variables pertaining to player choices Holds variables pertaining to night/day Holds variables pertaining to other information that would affect surroundings.	ModifyWorldState (modified by)

Abstract	SceneManager (Controller)	
 Receives input from CommandLin locations or "affects" a location Decides which scene to display ba 	, ,	DisplayScene (calls)CommandLine (receives input from)

DisplayScene (User case)	
Returns the description of the current scene as a string	SceneManager (called by)Scene (accesses)

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Abstract	Scene (Entity)	SpecificSceneChildClasses (entities)
 Holds variables of all NPCs present Holds a description of the area Holds a variable of what areas connect to 	o this one	DisplayScene (modified by)