Run (co	ontroller)
• run the game	CommandLine (calls)SceneManager (calls

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

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 cas	se)
 Modify Quest entities Modify Player's quest journal and add quest items if any 	 Quest (modify) Player (modify) QuestManager (called by)

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)

FetchQuest (E	Quest ntity)
Store item required for completion	FailQuest (modified by)AcceptQuest (modified by)CompleteQuest (modified by)

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

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

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

Dis	olayDialogue (Use Case)
Handles interactions with npcs	NonPlayableCharacterPlayerAcceptQuestCompleteQuest

Abstract	Character (Entity)	Nonf	PlayerCharacter, PlayerCharacter
 Stores Inventory Stores stats such as Health, Mana?, Stores specific actions (such as com 	·		InventoryChange (modified by)

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

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

CombatManager (Controller)	
 Receives input information from the console Calls Damage, StatusEffect, EndCombat 	Damage (calls)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 ca	ase)
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 CombatManager (called by) WorldStateManager (sends changes) CharacterManager (sends rewards)

WorldStateManager (Controller)	
Takes input from other classes and executes related use cases	All other controller classesTextCommandLine (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	ModifyWorldState (modified
Holds variables pertaining to night/day	by)
Holds variables pertaining to other information that would affect surroundings.	

Abstract SceneManager (Controller)		
locations or "affects" a l	nmandLine about when the player moves ocation display based on the world state	DisplayScene (calls)CommandLine (receives input from)

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

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 this one 	DisplayScene (modified by)