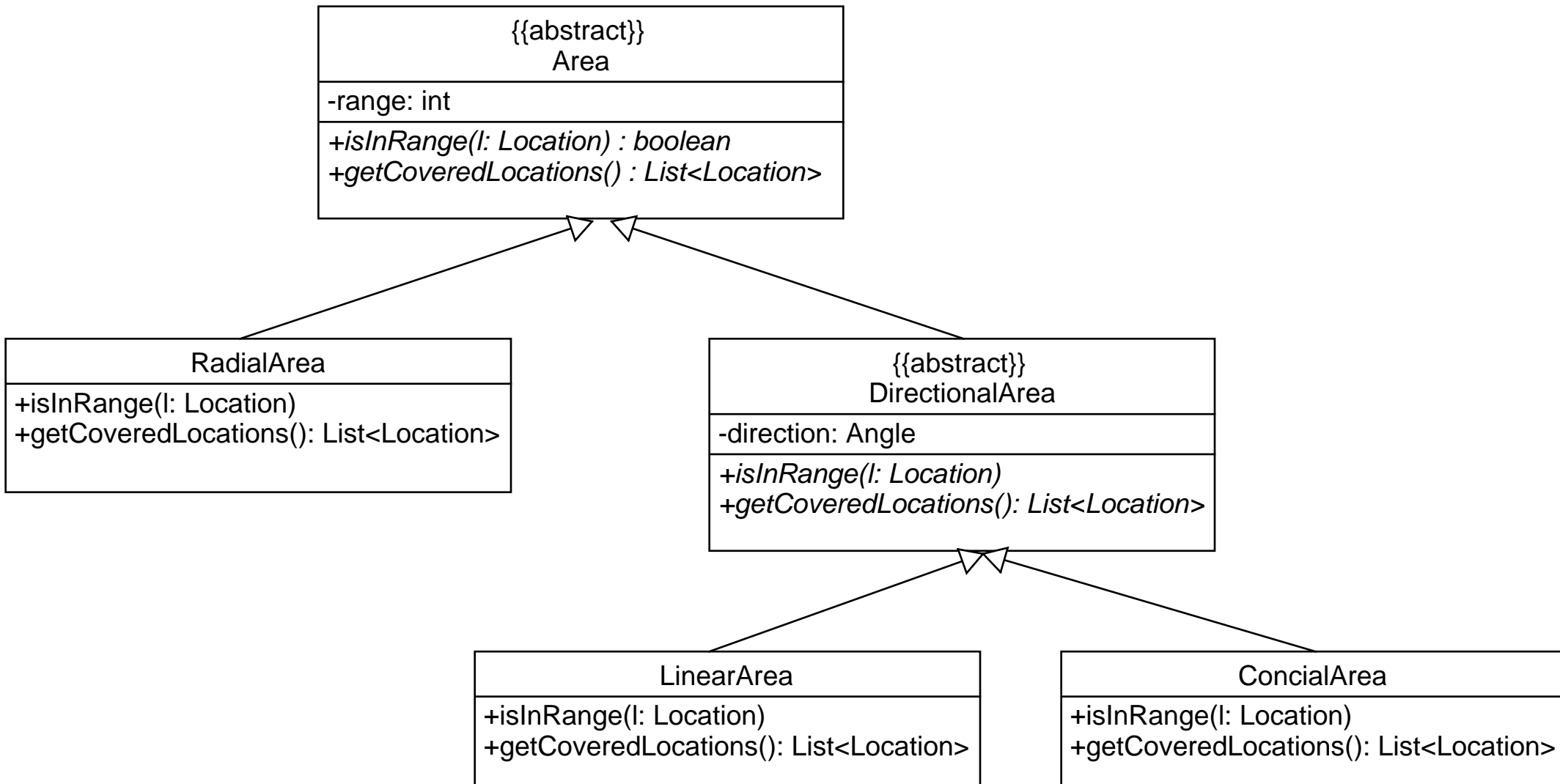


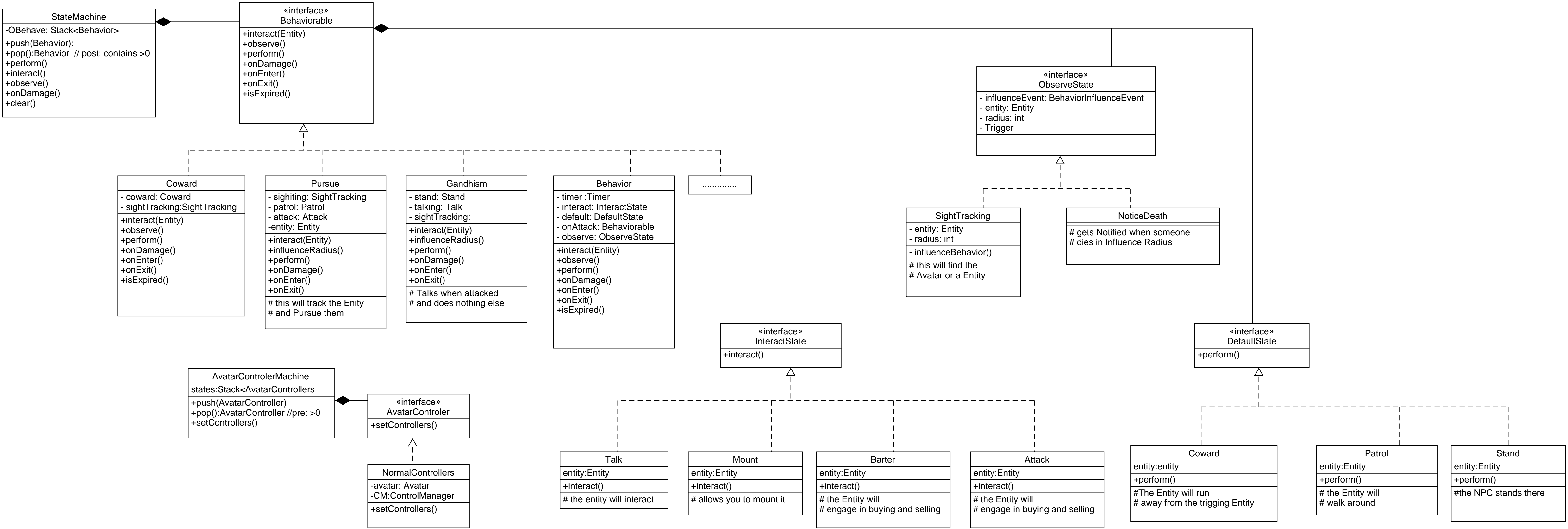
«Enum»
Angle

UP_RIGHT : 45
UP : 90
UP_LEFT : 135
DOWN_LEFT : 225
DOWN : 270
DOWN_RIGHT : 315

-theta : int

+getAngle() : int
+sin() : double
+cos() : double





MainMenuController
-mainMenuLayout
setLayout(JPanel) +newGame() +loadGame() +exitGame()

CharacterSelectionMenuController
-characterSelectionLayout
setLayout(JPanel) +selectSmasher() +selectSummoner() +selectSneak() +goBack()

LoadMenuController
-loadMenuLayout
setLayout(JPanel) +selectSlot(int) +loadGame() +goBack()

SaveMenuController
-saveMenuLayout
setLayout(JPanel) +selectSlot(int) +saveGame() +goBack()

GameplayController
-gameplayLayout
setLayout(JPanel) doAllThings()

TradeMenuController
-tradeLayout
+ sellItem(itemSlot: int) + buyItem(itemSlot: int) + goBack()

DialogController
-tradeLayout
+getText(): String

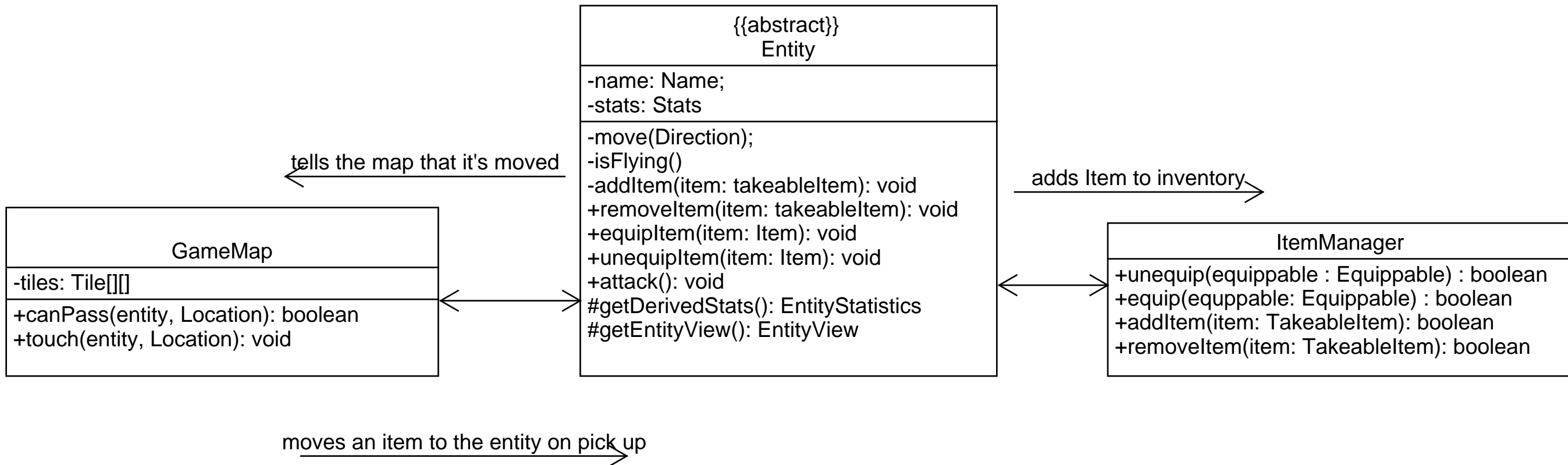
EntityController
+setKeyBindings()

CameraController
+ setKeyBindings()

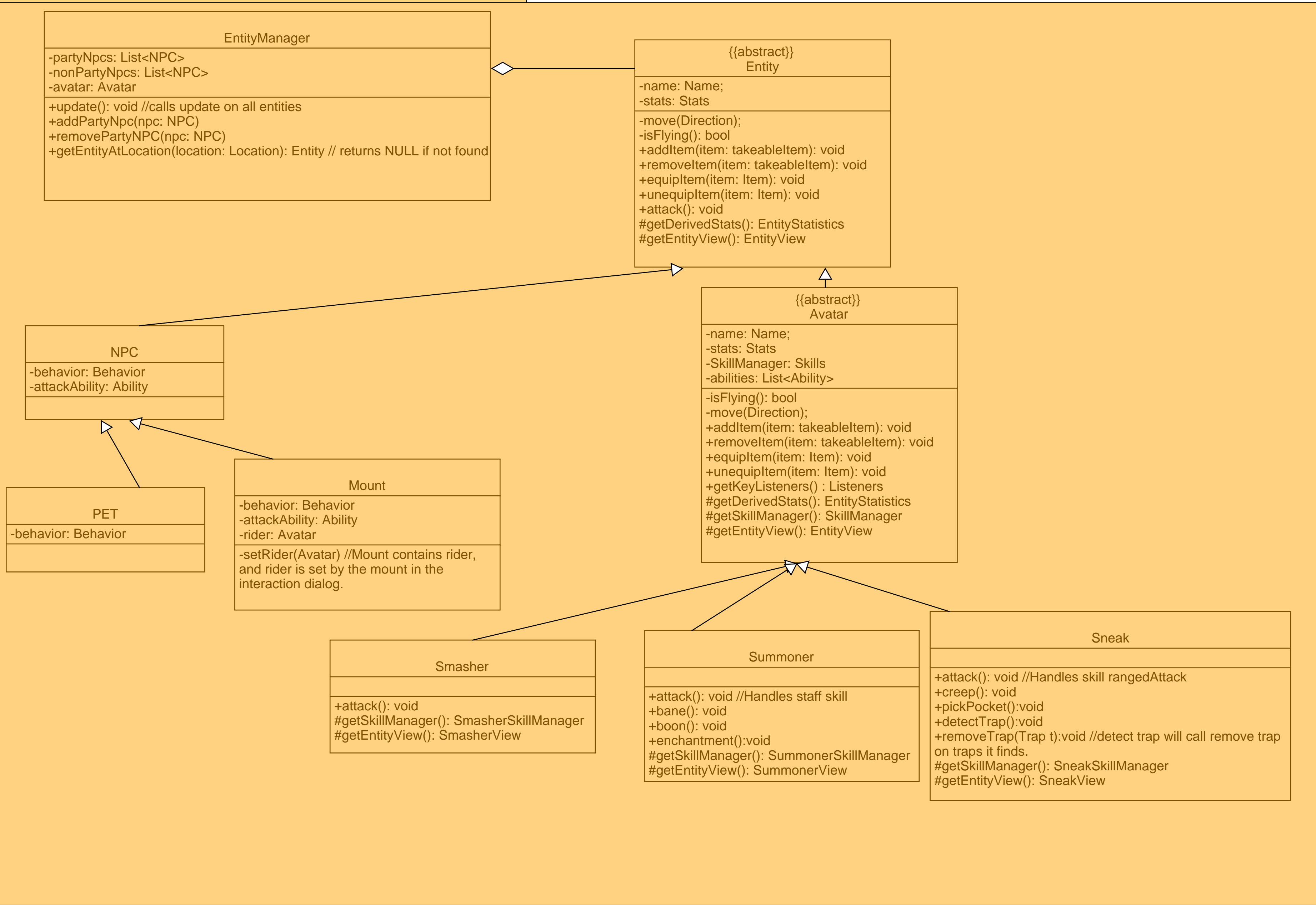
PauseMenuController
-pauseMenuLayout
+setLayout(JPanel) +selectOptions() +selectSaveGame() +selectLoadGame() +selectResume() +selectMainMenu()

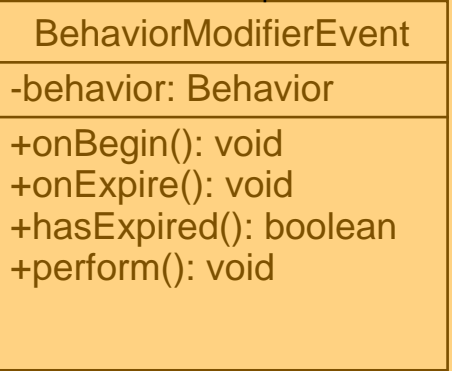
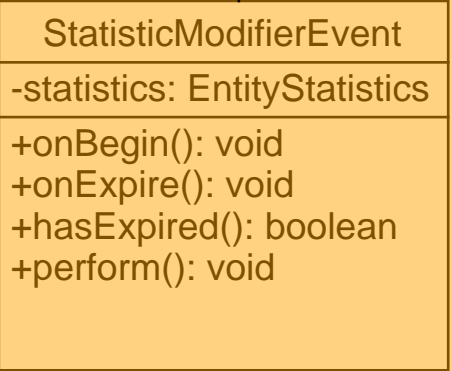
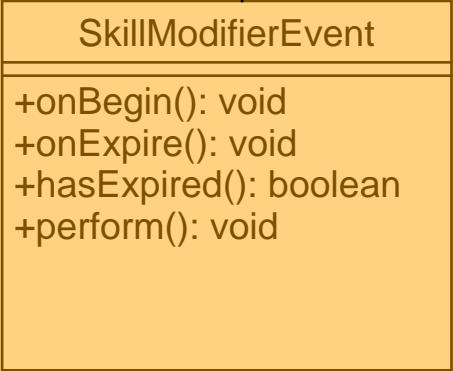
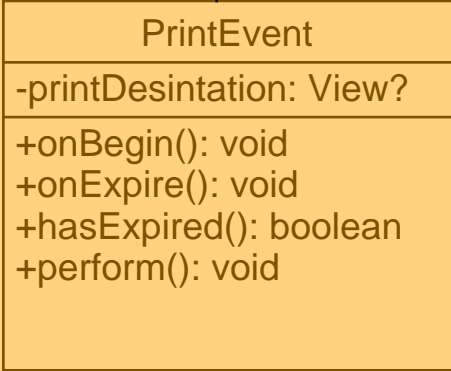
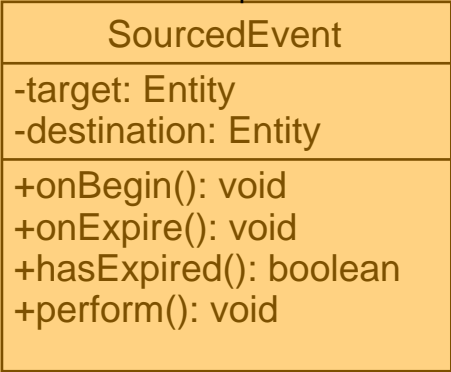
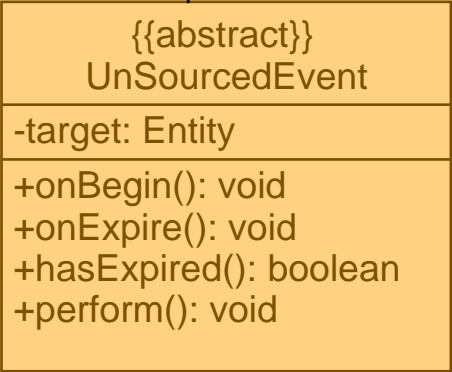
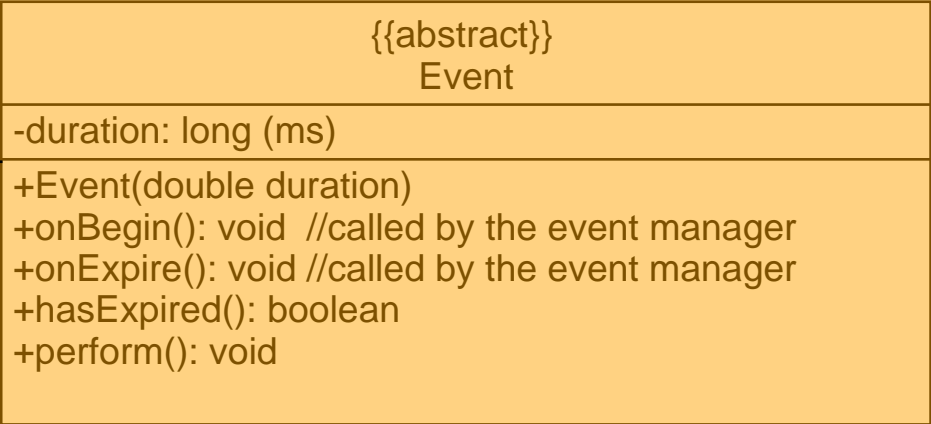
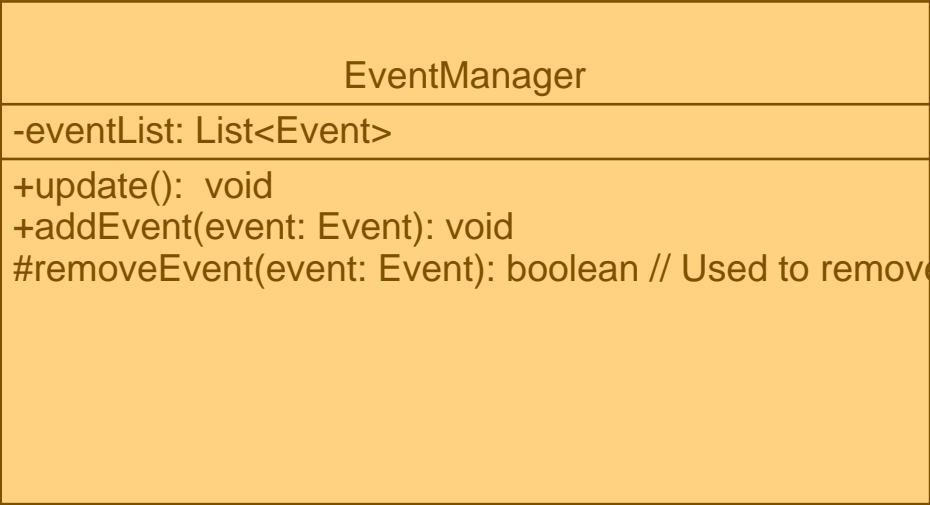
InventoryMenuController
-inventoryMenuLayout
setLayout(JPanel) selectItem(int) goBack()

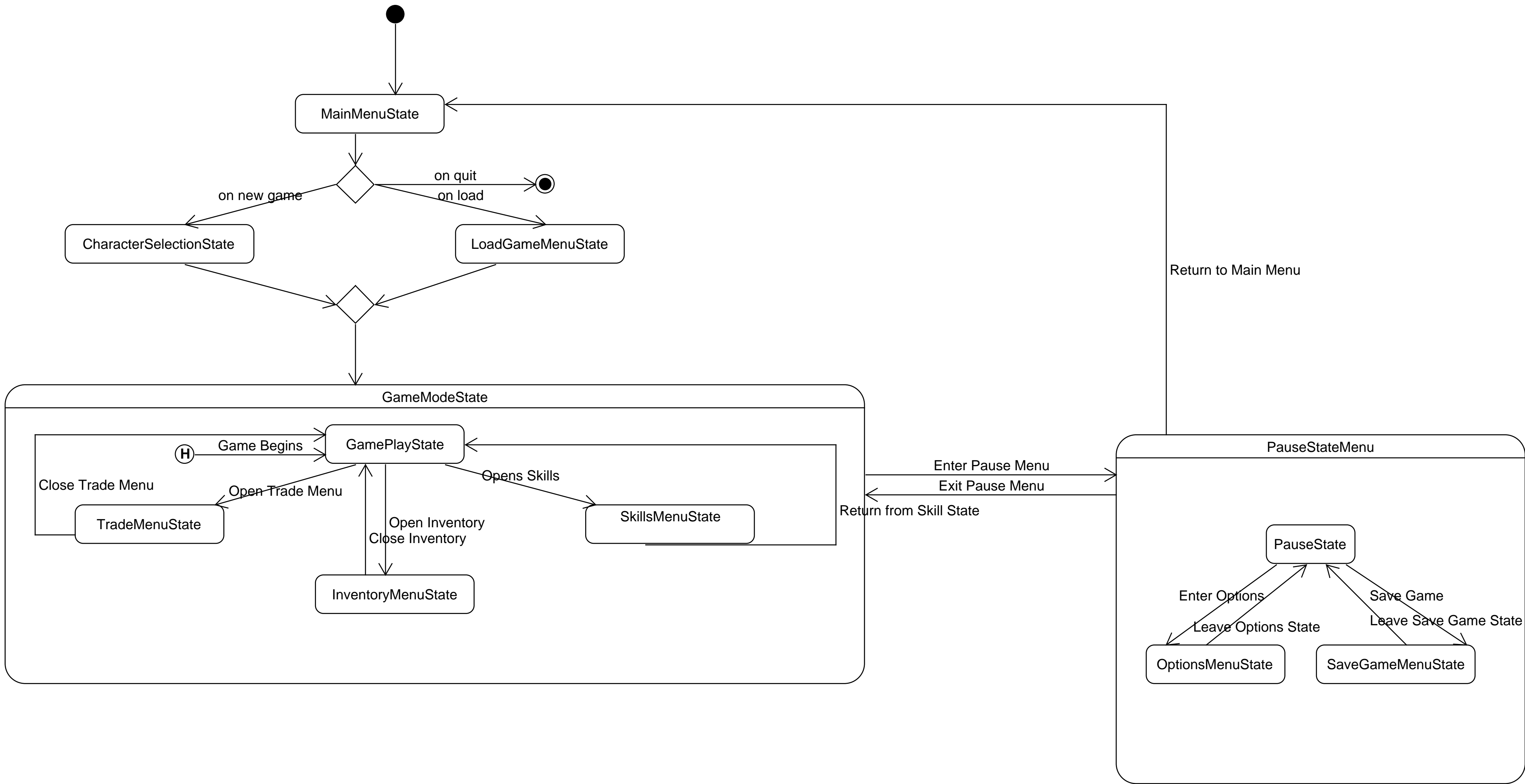
SkillsMenuController
-skillMenuLayout
setLayout(JPanel) incrementSkill(int) goBack()

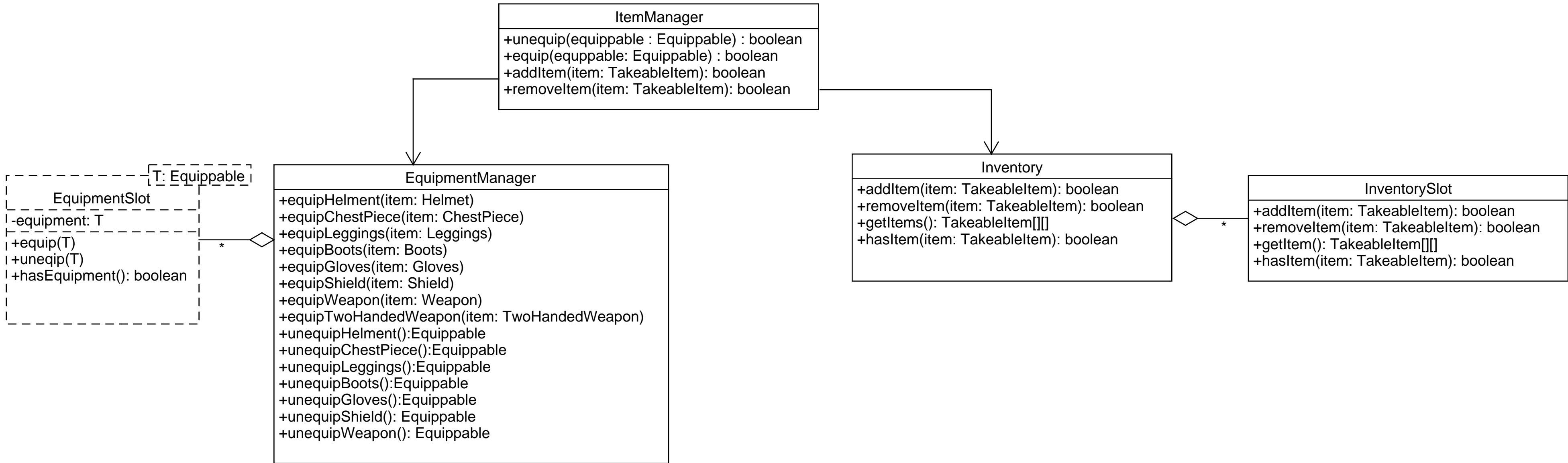


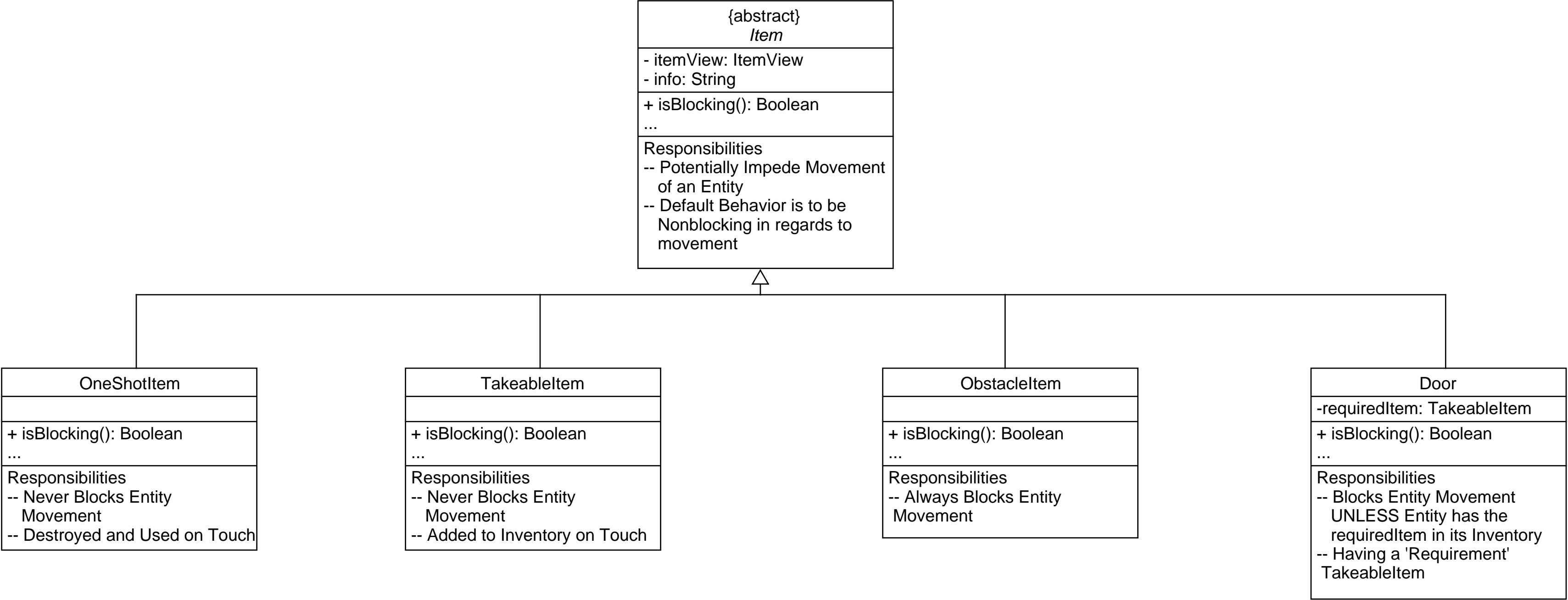
Entity

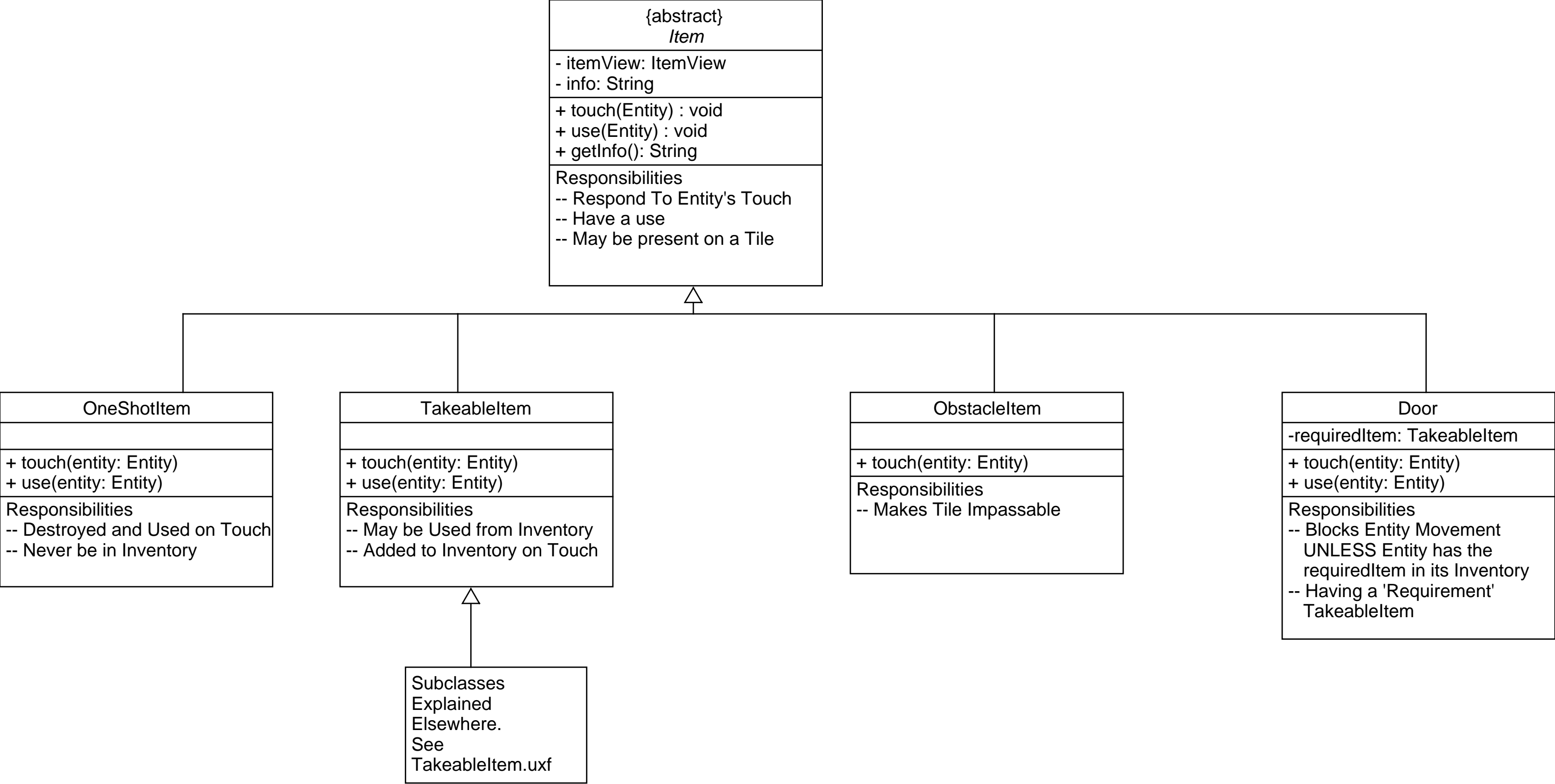


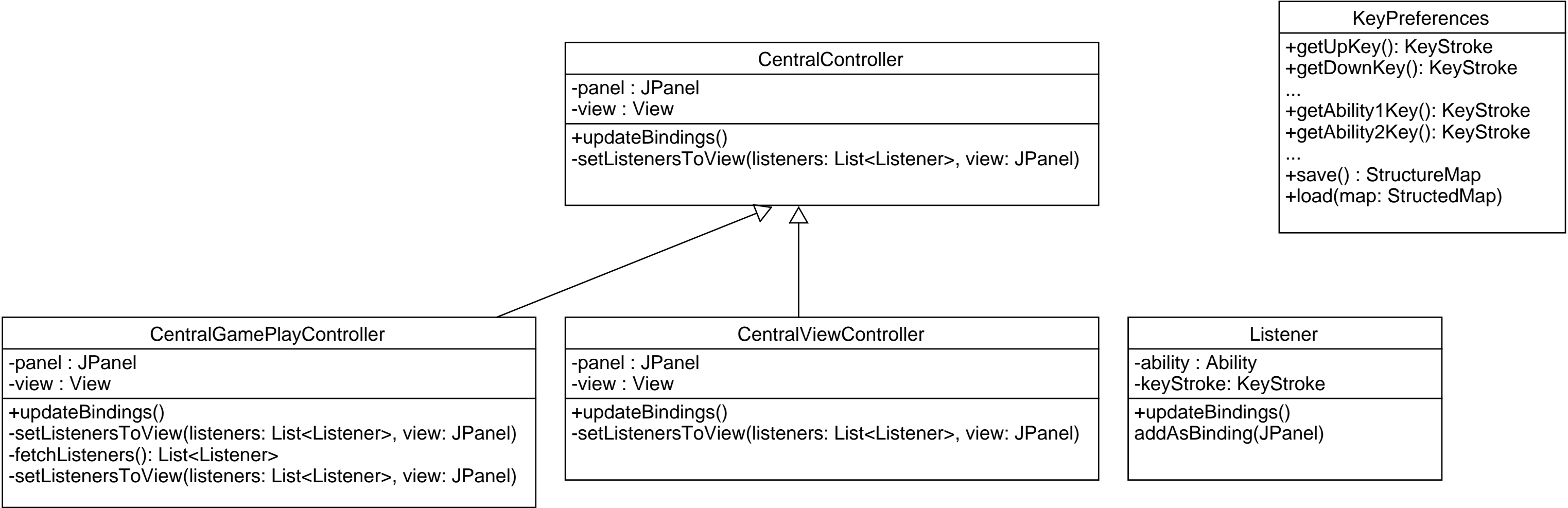


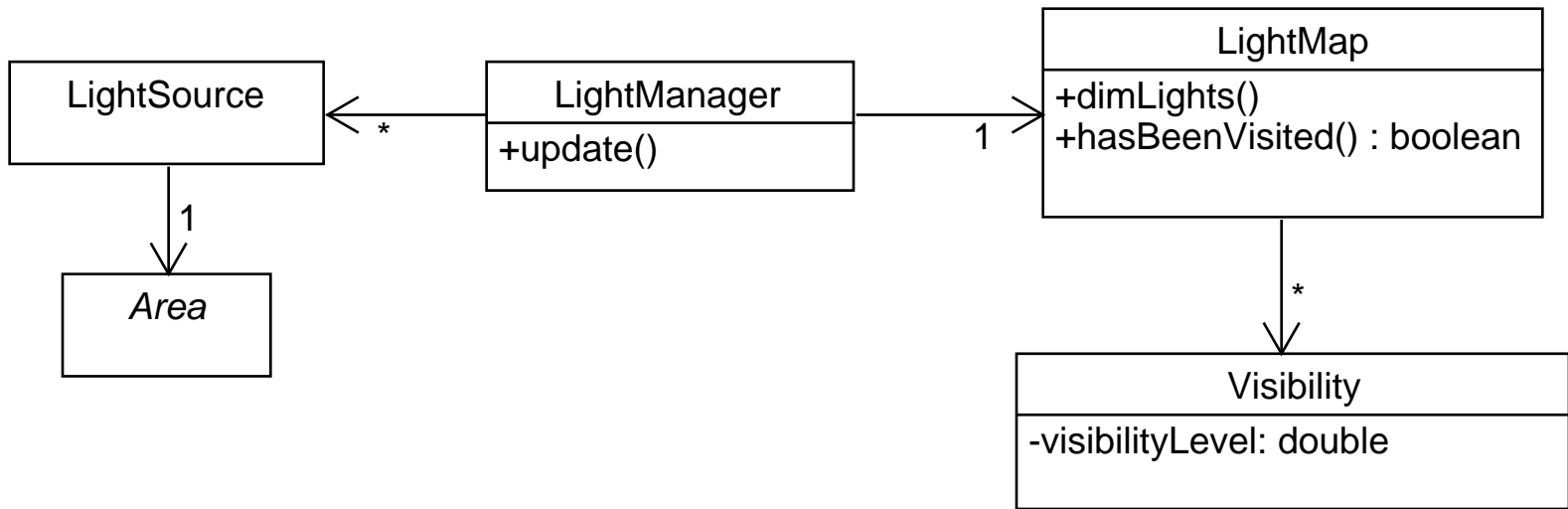












GameMap

-tiles: Tile[][]

+canPass(entity, Location): boolean

+touch(entity, Location): void

{{ Abstract }}

Tile

-tileView: TileView

+isPassable(Entity): boolean

+touch(Entity): void

PassableTile

+isPassable(Entity): boolean

+touch(Entity): void

ImpassableTile

+isPassable(Entity): boolean

+touch(Entity): void

AirPassableTile

+isPassable(Entity): boolean

+touch(Entity): void

ItemMap

-items: Collection<Location, Item>

+add(item, location)

+touch(entity, location): void // adds item if it can and removes it from map

Goes off to Item

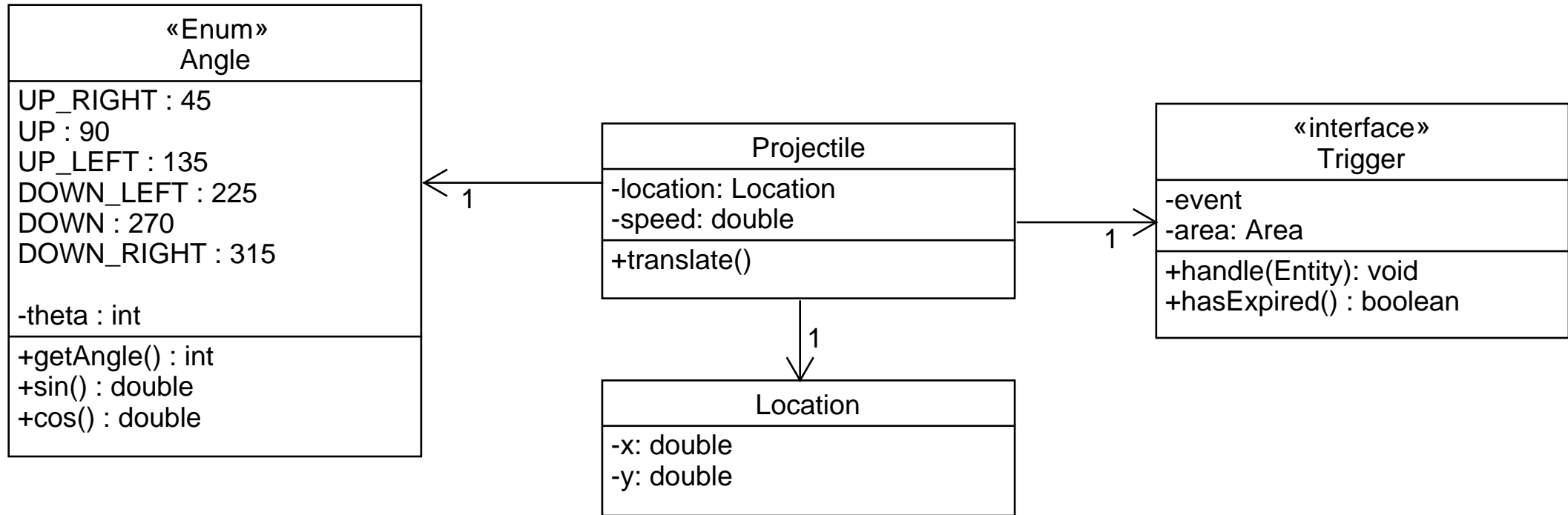
«interface»
StateMachine<GameState>

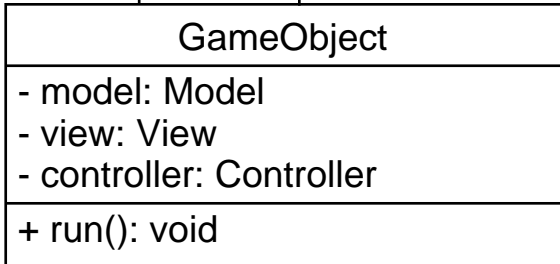
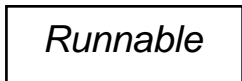
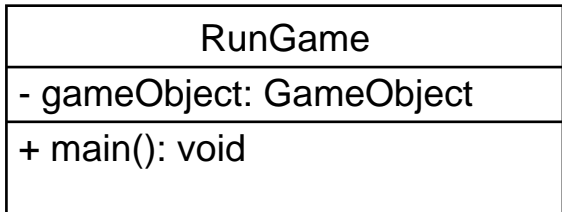


Model

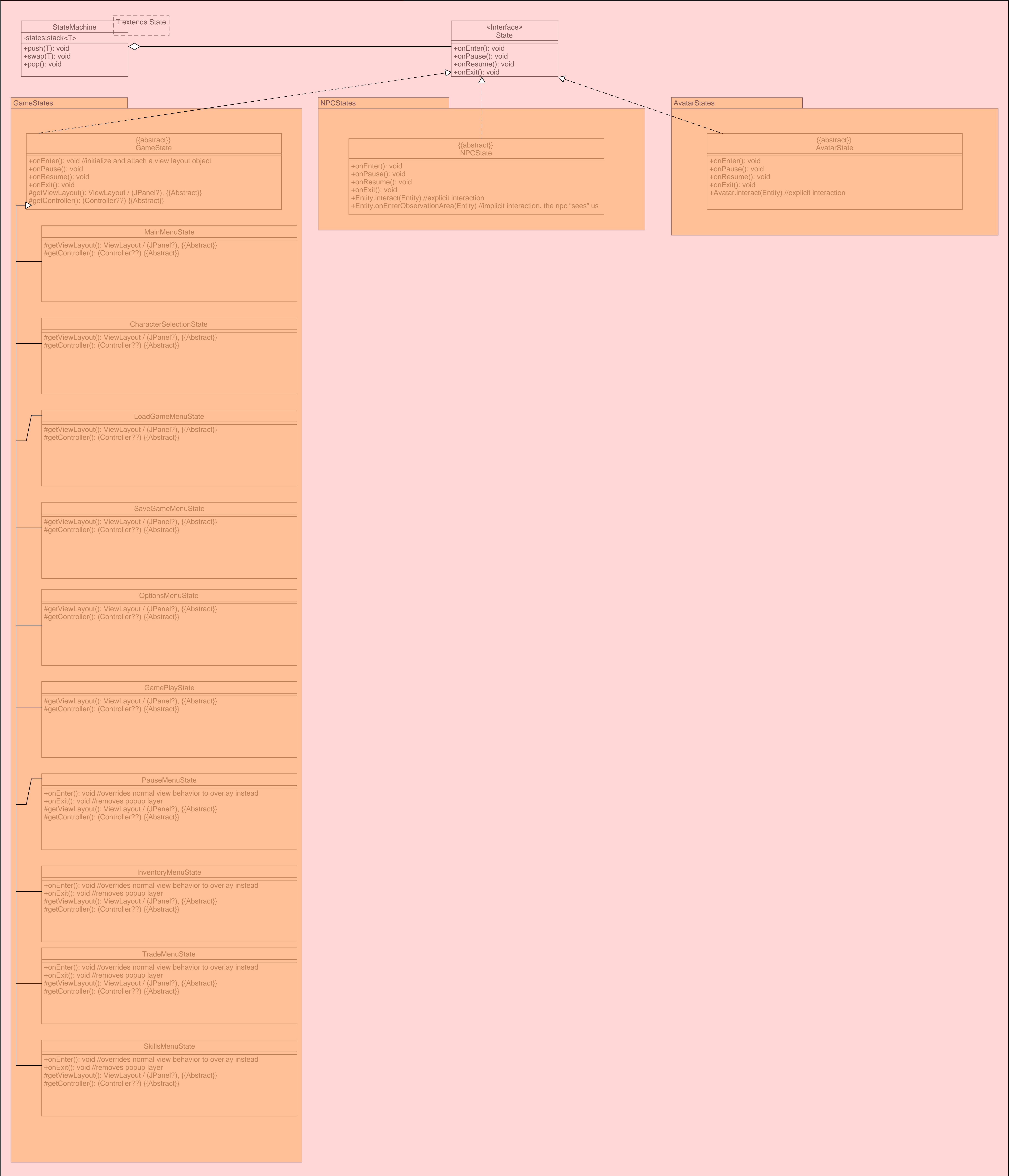
- keyPreferences: KeyPreferences
- eventManager: EventManager
- entityManager: EntityManager
- gameMap: GameMap
- itemMap: ItemMap
- projectileManager: ProjectileManager
- triggerManager: TriggerManager

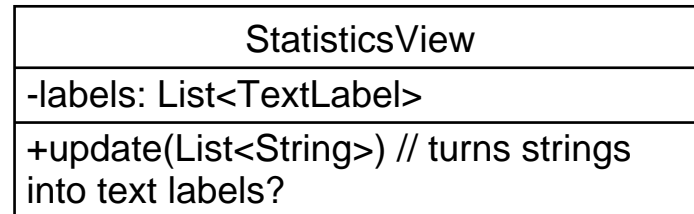
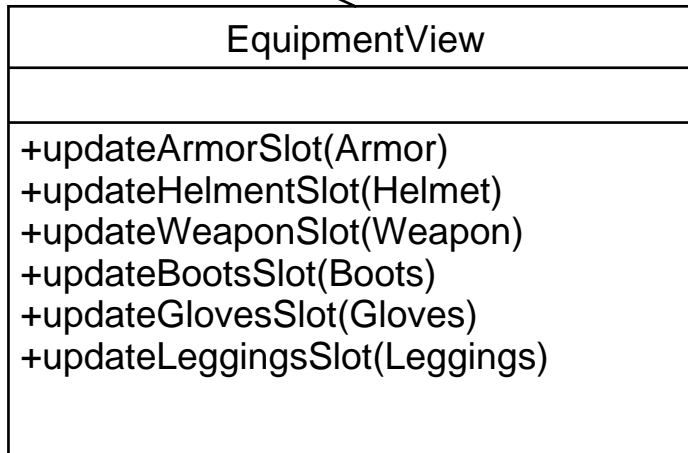
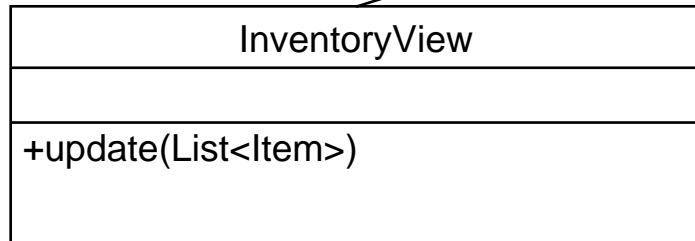
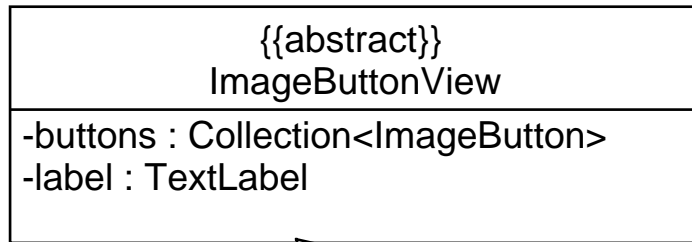
- + moveUp(): void
- + moveUpLeft(): void
- + moveDownLeft(): void
- + moveDown(): void
- + moveDownRight(): void
- + moveUpRight(): void
- + save(): StructuredMap
- + load(StructuredMap): StructuredMap
- + push(GameState): void
- + pop(): void
- + swap(GameState): void
- + update(): void

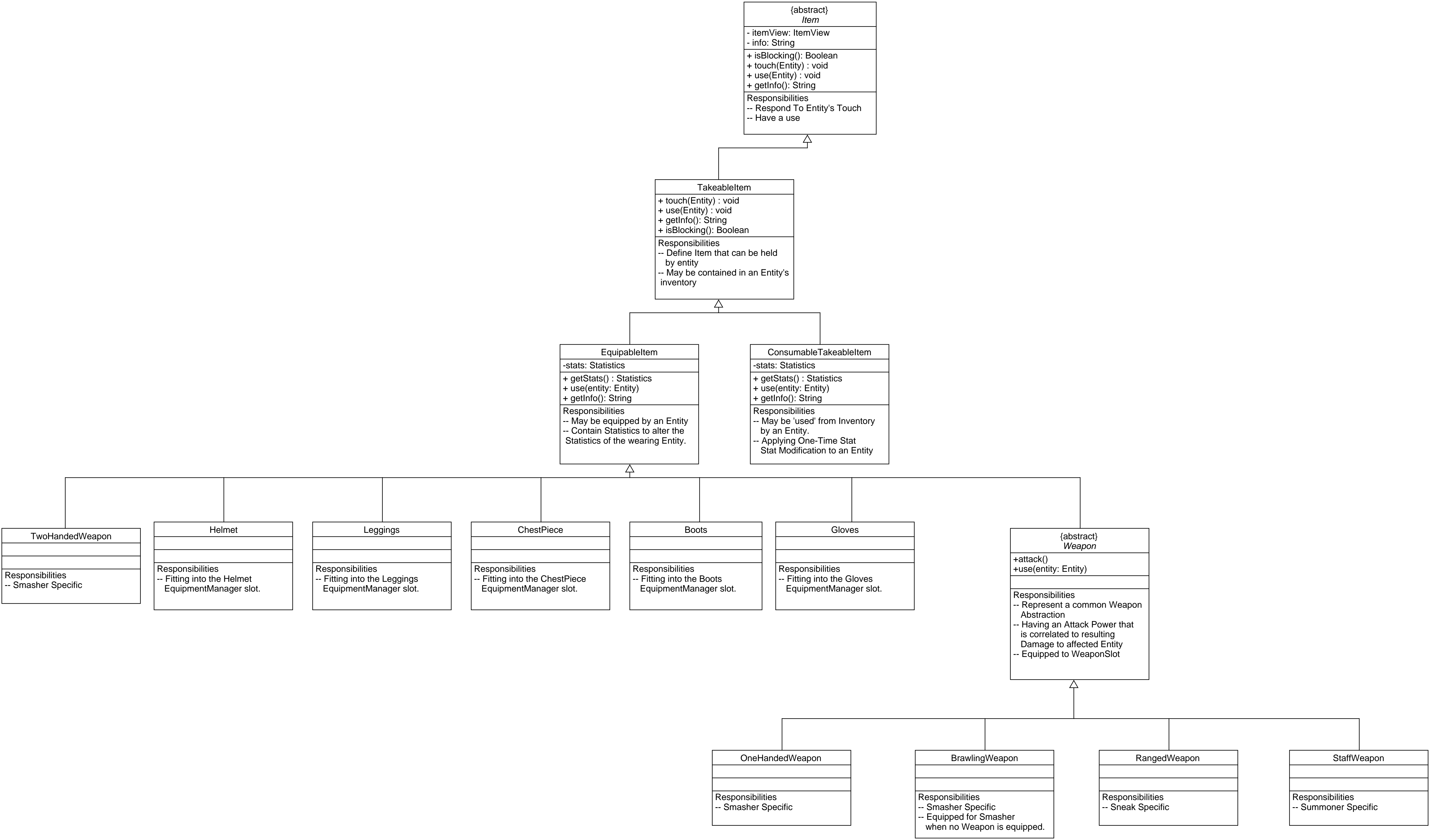


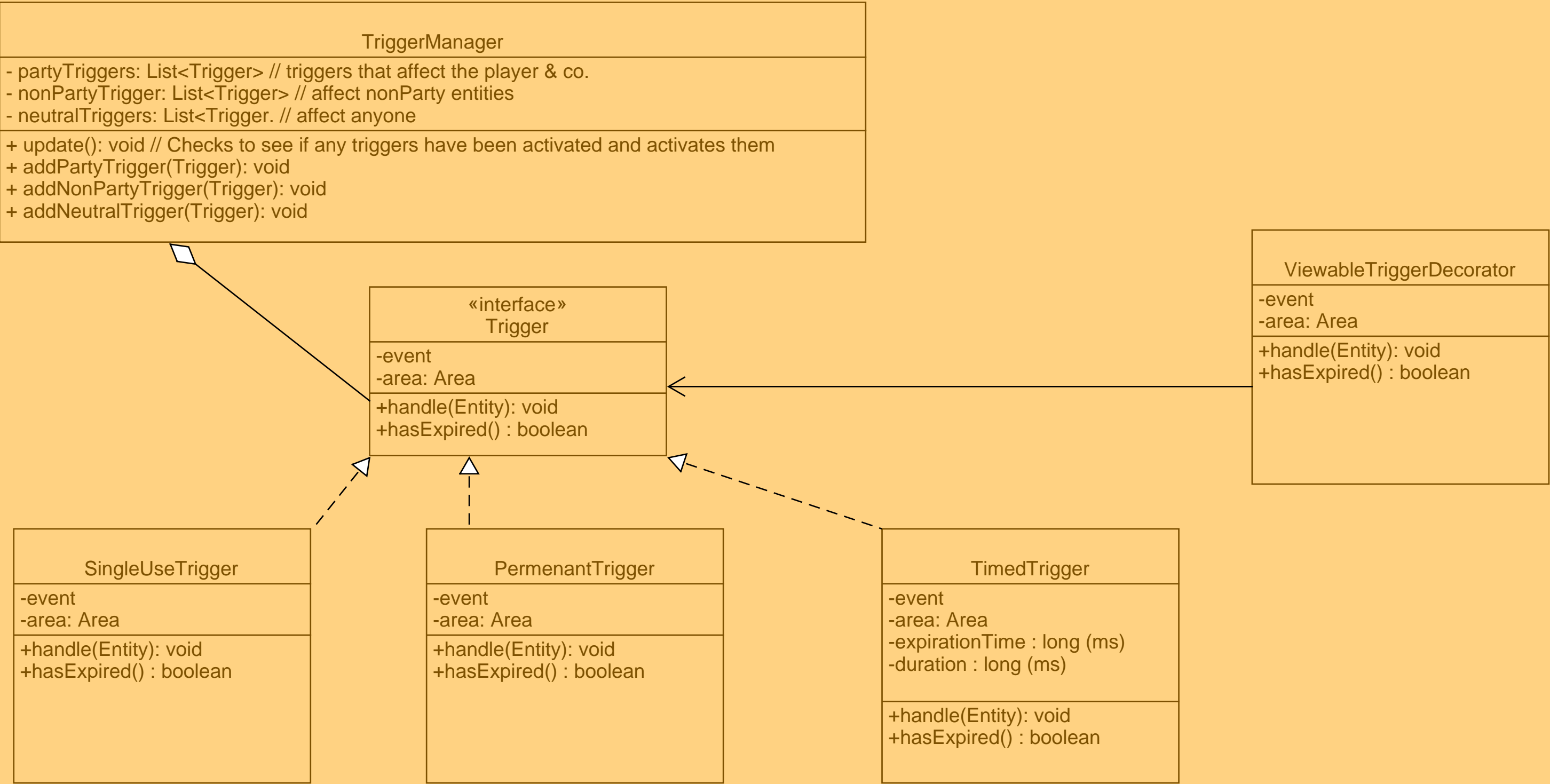


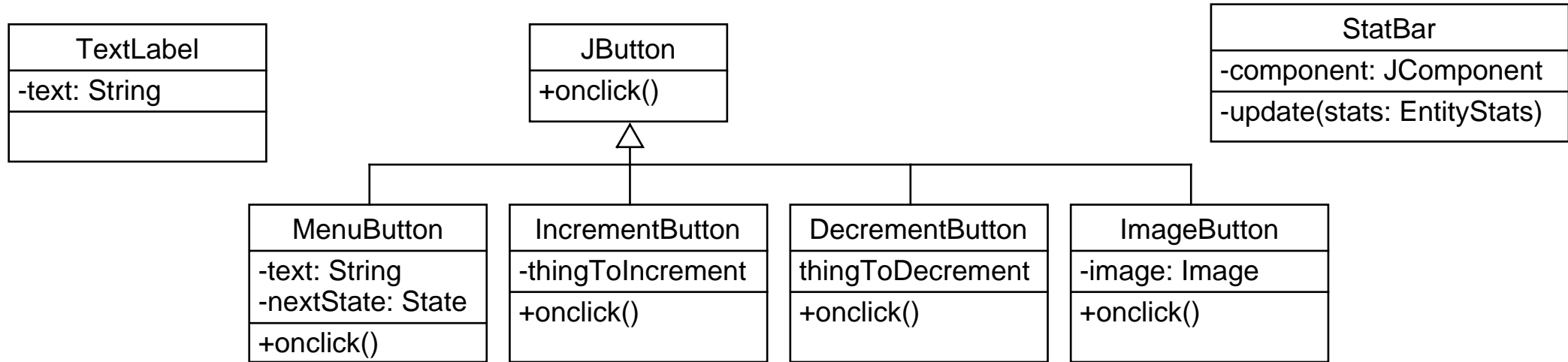
State Machinery











View Layouts

MainMenuLayout
-TextLabel -MenuButton
render()

CharacterSelectionLayout
-TextLabel -MenuButton -CharacterButton
render()

LoadMenuLayout
-TextLabel -MenuButton -SaveSlotButton
render()

InventoryMenuLayout
-MenuButton -StatsView -InventoryView -EquipmentView
render()

SkillsMenuLayout
-MenuButton -SkillBarView -PlusButton -TextLabel
render()

SaveMenuLayout
-TextLabel -MenuButton -SaveSlotButton
render()

GameplayLayout
-GameMapView -LightMapView -EntityView -HUDView -DialogueView
render()

OptionsAndControlsLayout
render() setStrings(String[])

PauseMenuLayout
-TextLabel -MenuButton
render()

