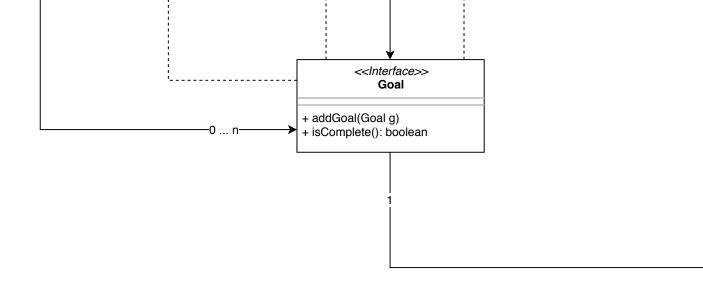
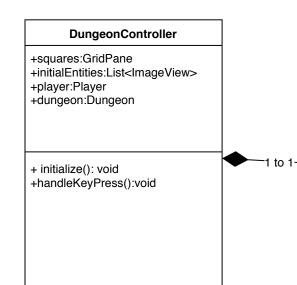


+ ComplexOrGoal()

+ isComplete(): boolean

+ addGoal(Goal g)





DungeonApplication



- + notifyGoalObservers(String type, boolean bool)
- + addGoalObserver(GoalObserver obs) + removeGoalObserver(GoalObserver obs)

## Dungeon

- width: int - height: int

- entities: List<Entity>

- player: Player

- goalObservers: List<GoalObserver>

- headGoal: Goal

+ Dungeon(int width, int height)

+ getWidth(): int

+ getHeight(): int

+ getPlayer(): Player

+ setPlayer(Player player)

+ addEntity(Entity entity)

+ notifyGoalObservers(String type, boolean bool)

+ addGoalObserver(GoalObserver obs)

+ setGoal(Goal headGoal)

+ getGoal(): Goal

+ destroy(int x, int y)

+ removeGoalObserver(GoalObserver obs)

## DungeonController

- squares: GridPane

- initialEntities: List<ImageView>

- player: Player

- dungeon: Dungeon

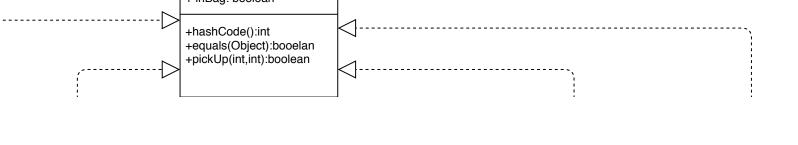
- g: Goal

+ DungeonController(Dungeon d, List<ImageView> initialEntites)

+ initialize(): void

+ handleKeyPress(KeyEvent even): void

pickUpable
inBag: boolean



+start(Stage):void
+main():void

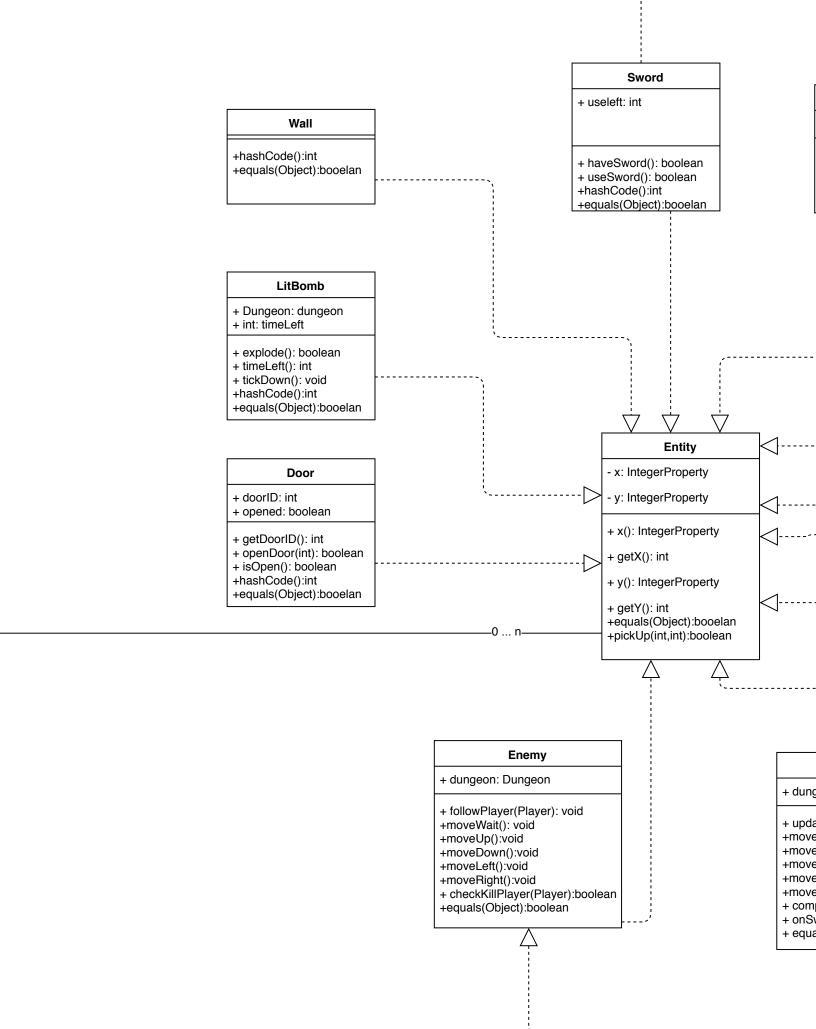
-load: Dugeon
+loadEntity(Dungeon,JSONobject):void
+onLoad(Entity player):void
+onLoad(Wall wall):void

-stends

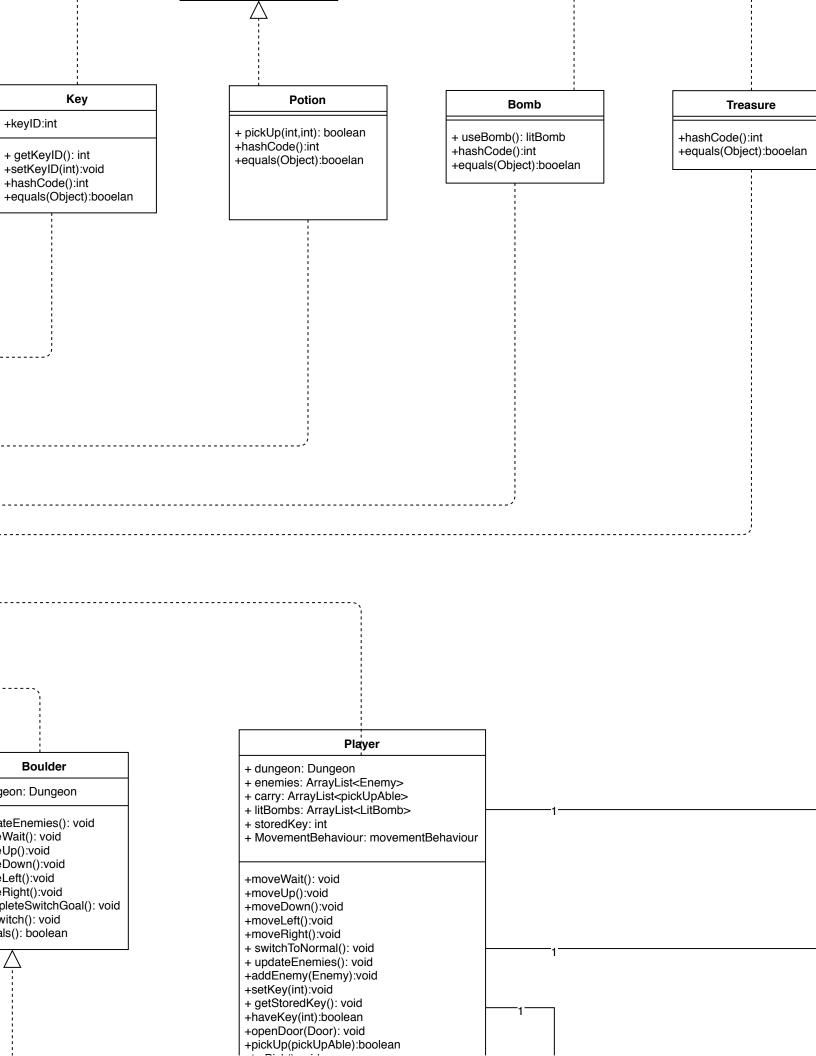
## DungeonControllerLoader

+ entities: List<ImageView> +playerImage: Image +wallImage: Image

+onLoad(Entity):void +onLoad(Wall):void +addEntity(Entity, ImageView):void +trackPosition(Entity, Node):void +loadController():DungeonController



i



+tryPick():void + useSword():boolean + useInvincibility(): void + useBomb(): void + litBomb(int, int):boolean + notifyBombs(): void + completeExitGoal(): void

Movement

+ inBag: boole

+hashCode():i +equals(Objec +pickUp(int,int

