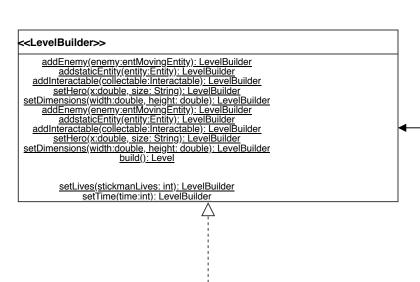


vc d	

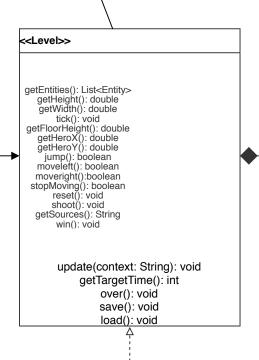


LevelBuilder

DEFALUT FLOOR HEIGHT = 300:double
DEFALUT LEVEL WIDTH = 1000:double
DEFALUT LEVEL HEIGHT = 500:double
movingEntities: List<MovingEntity>
interactables: List<Interactable>
file:String
heroX:double
heroSize:String
width:double
height:double
floorHeight:double
model:GameEngine

@override all methods in LevelBuilder

generateFromFlle(file String, model:GameEngine: Level



LevelManager

hero: Controllable
entities: List<Entity>
movingEntities: List<MovingEntity>
interactables: List<Interactable>
projecttiles: List<Projectile>
height: double
width: double
floorHeight: double
active: boolean
filename: String
model: GameEngine

isfinal: boolean TargetTime: int Im: LevelMemento

@override all methods in Level

LevelMemento

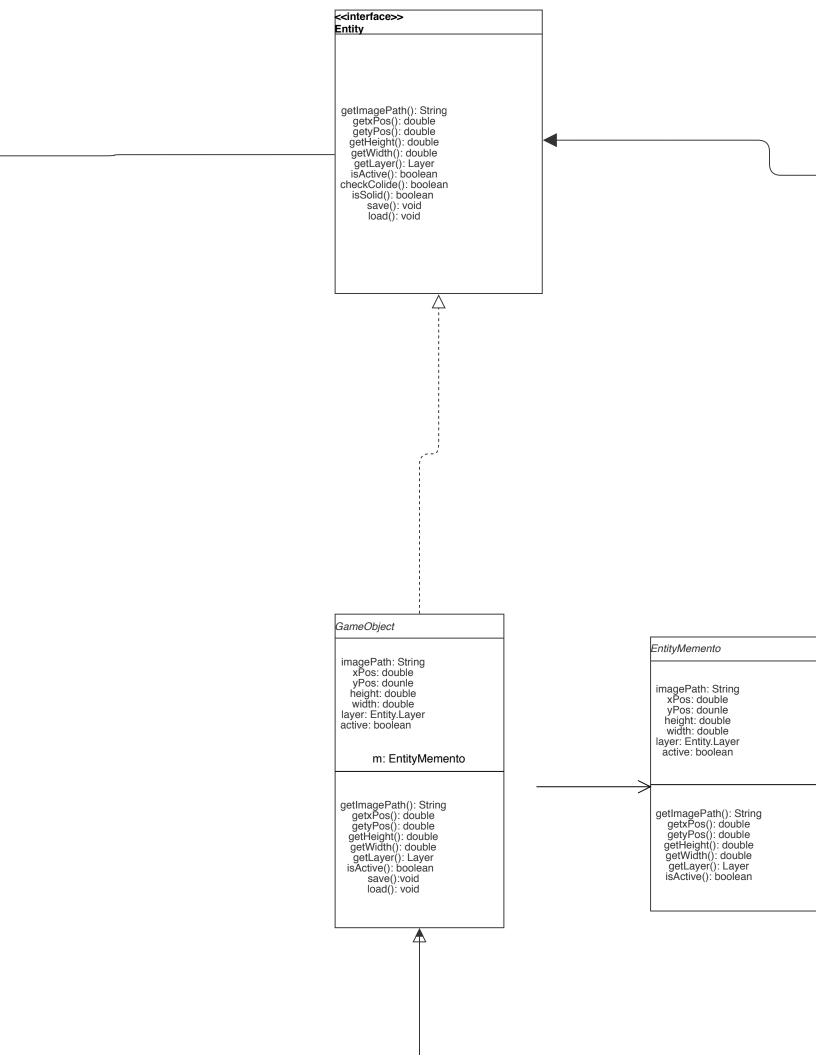
hero: Controllable entities: List<Entity>

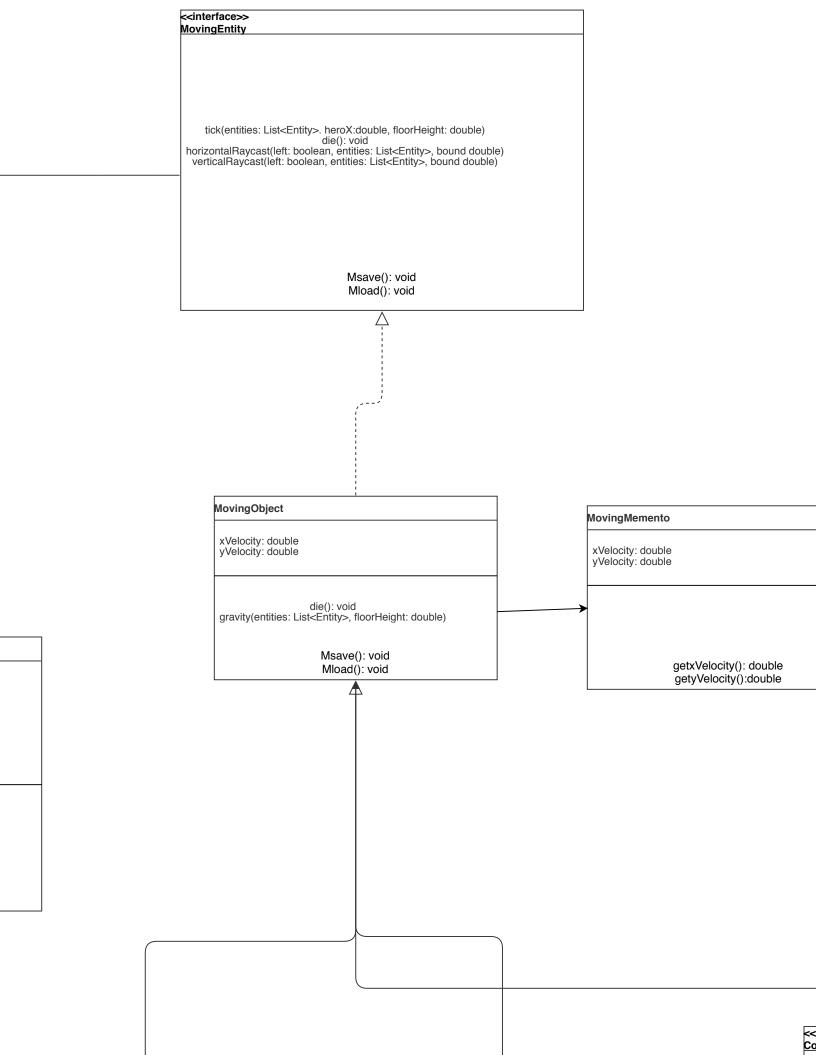
movingEntities: List<MovingEntity>interactables: List<Interactable>projectiles: List<Projectile>

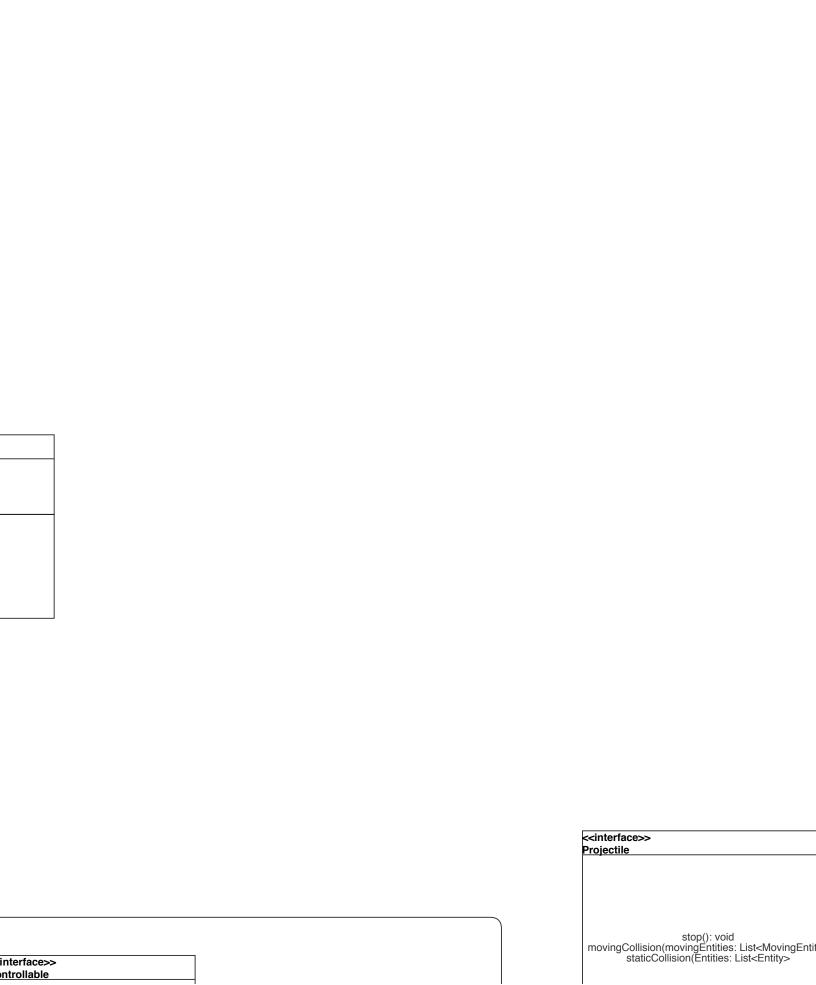
height: double width: double floorHeight: double active: boolean filename: String model: GameEngine isfinal: boolean TargetTime: int Im: LevelMemento

save(): void

@all get method for the variable

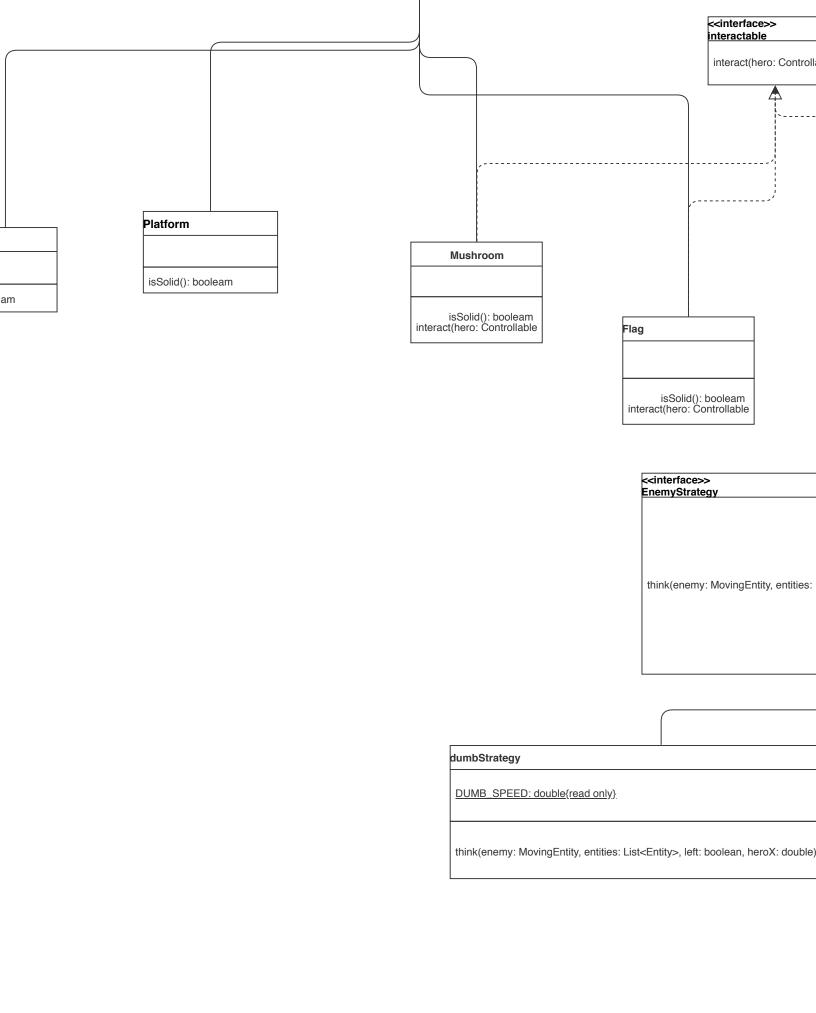


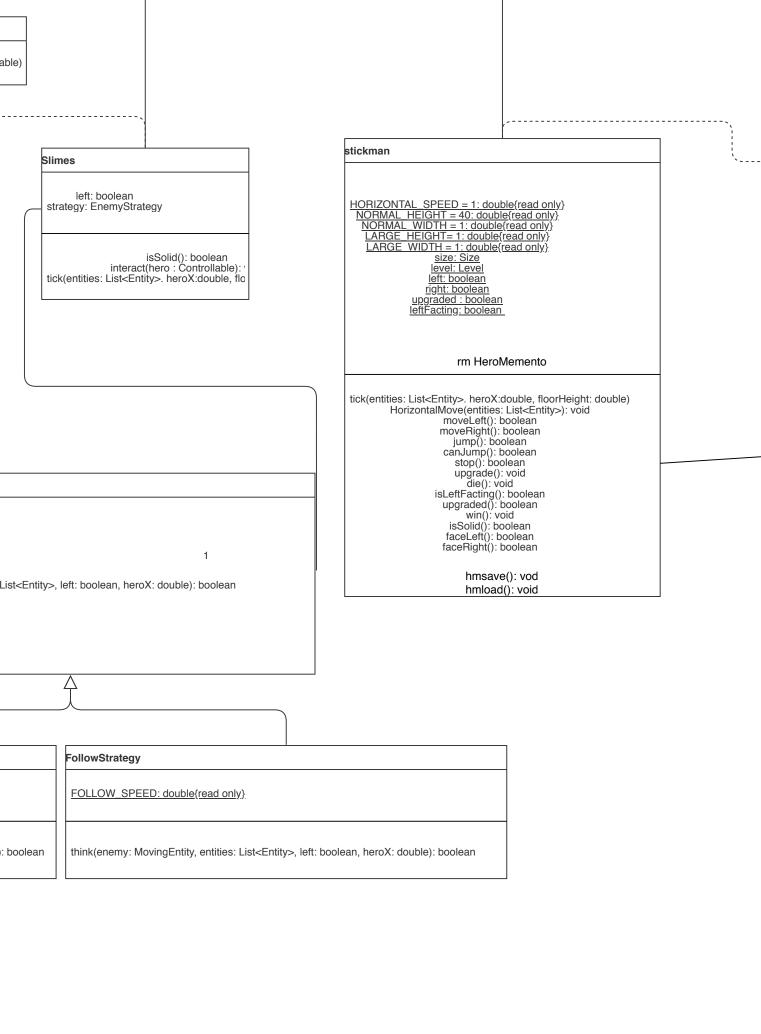




Win	

isSolid(): boole





moveLeft(): boolean moveRight(): boolean jump(): boolean stop(): boolean upgrade(): void :LeftFacting(): boolean upgraded(): boolean win(): void

> hmsave(): void hmload(): void

HeroMemento

level: Level left: boolean right: boolean upgraded : boolean leftFacting: boolean

getLevel(): Level getLeft():boolean getRight(): boolean isUpgraded(); boolean isLeftFacing(): boolean

Bullet

BULLET SPEED = 2: double{read only}
BULLET HEIGHT = 10: double{read only}
BULLET WIDTH = 10: double{read only}

 $\begin{array}{c} \text{tick(entities: List<Entity>. heroX:double, floorHeight: double)} \\ \text{stop(): void} \end{array}$