```
{GameObject
|+ name
|+ ~GameObject()
+ addComponent()
+ getComponent()
+ removeComponent()
+ renderSprite()
+ update()
+ getPosition()
+ setPosition()
+ getRotation()
+ setRotation()
+ setConsumed()
+ getComponents()
          }
```

#gameObject

```
{Component
||+ Component()
+ ~Component()
+ getGameObject()
+ handleInput()
+ update()
+ renderSprite()
+ onCollisionStart()
+ onCollisionEnd()
          }
```

```
{Damageable
||+ Damageable()
+ overrideDeathAction()
+ overrideDamageSound()
+ takeDamage()
+ setMaxLife()
+ setLife()
+ addLife()
+ resetLife()
+ getCurLife()
+ getMaxLife()
          }
```