```
{GameObject
I+ name
l+ ~GameObject()
+ addComponent()
+ getComponent()
+ removeComponent()
+ renderSprite()
+ update()
+ getPosition()
+ setPosition()
+ getRotation()
+ setRotation()
+ setConsumed()
+ getComponents()
           #gameObject
     {Component
 ||+ Component()
 + ~Component()
 + getGameObject()
 + handleInput()
 + update()
 + renderSprite()
 + onCollisionStart()
 + onCollisionEnd()
     {Damagable
   ||+ Damagable()
   + takeDamage()
   + setMaxLife()
   + setLife()
   + addLife()
```