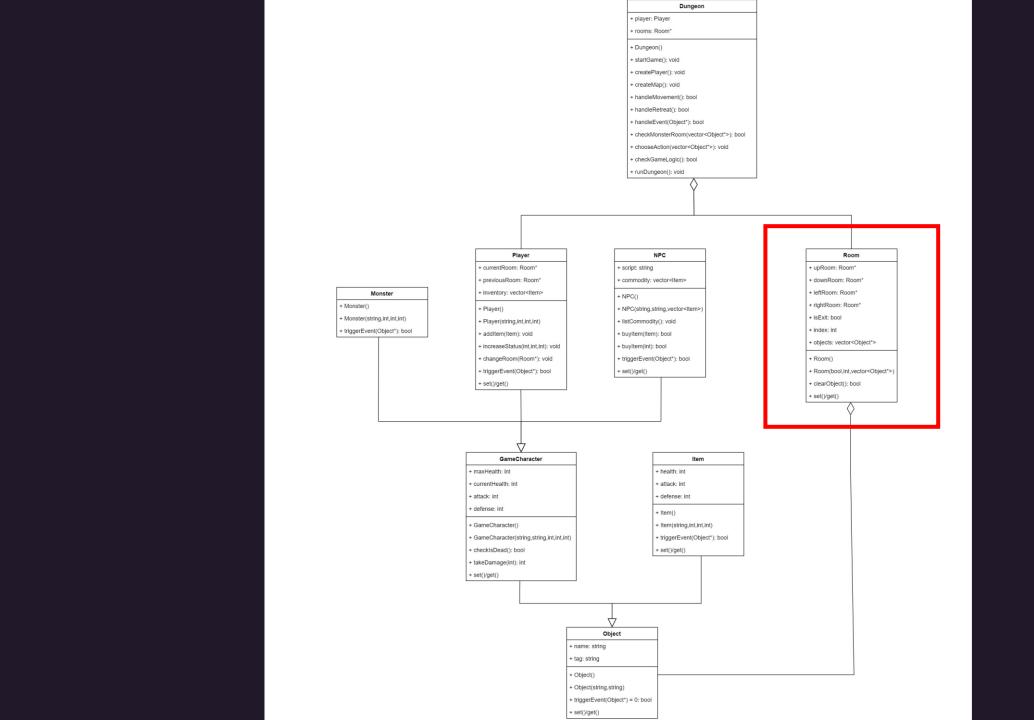
Mungeon



Room

+ upRoom: Room*

+ downRoom: Room*

+ leftRoom: Room*

+ rightRoom: Room*

+ isExit: bool

+ index: int

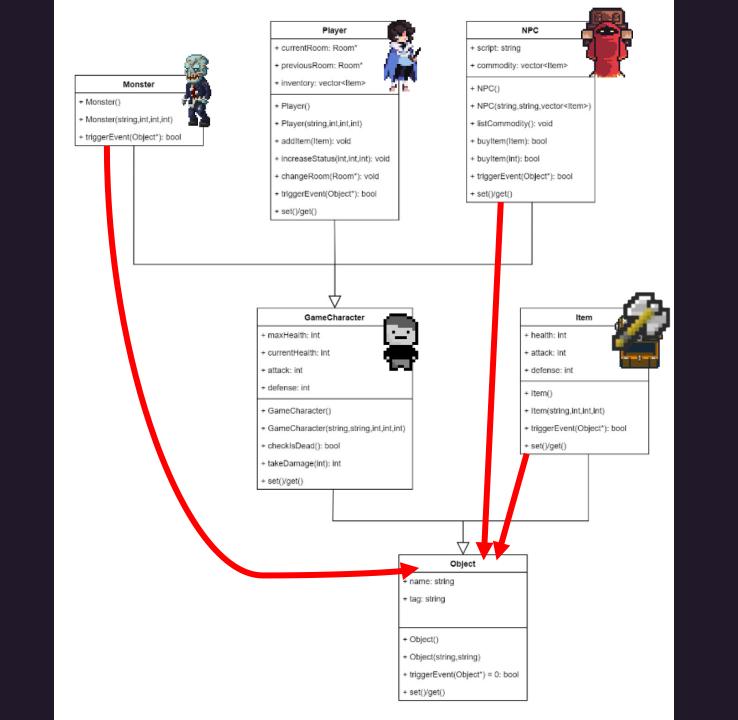
+ objects: vector<Object*>

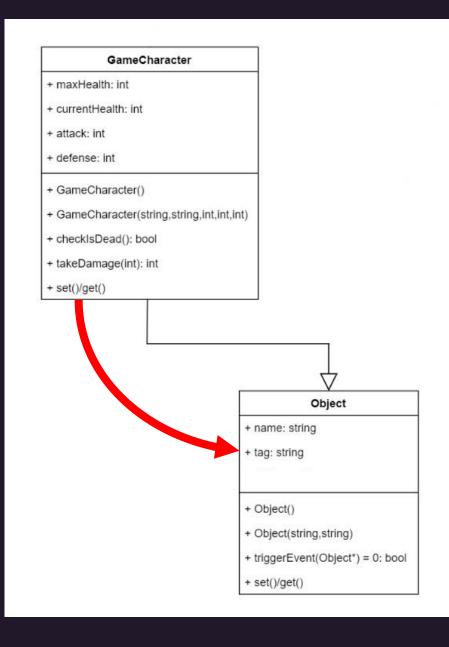
+ Room()

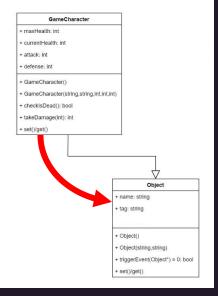
+ Room(bool,int,vector<Object*>)

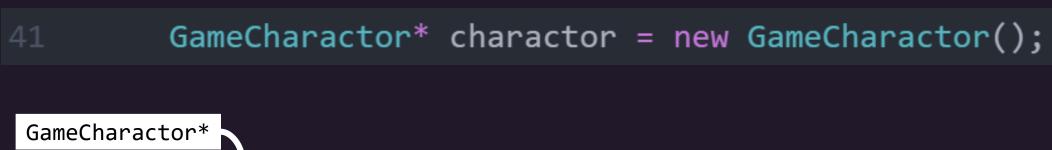
+ clearObject(): bool

+ set()/get()







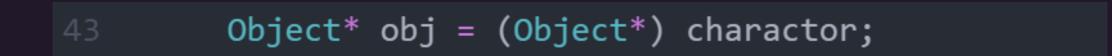


maxhealth

currenthealth

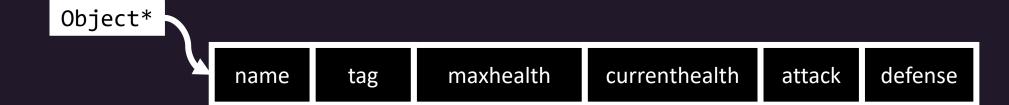
defense

attack



tag

name

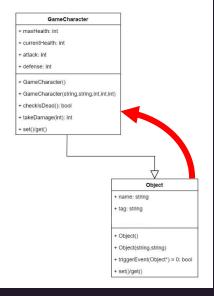


43 Object* obj = (Object*) charactor;



45 GameCharactor* role = (GameCharactor*) obj;





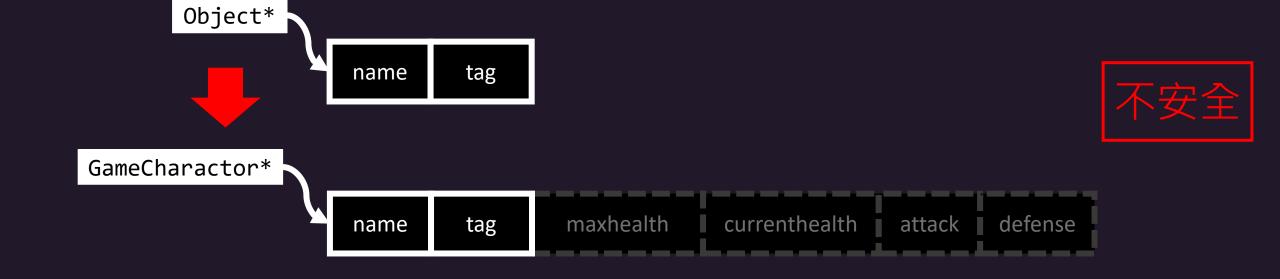
45 Object* obj = new Object(); [※] 假設Object不是abstract clas 否則會compile error





不安全的轉換





```
無型別檢查,直接進行型別轉換

GameCharactor* charactor = new GameCharactor();

Object* obj = (Object*) charactor;
```

```
有型別檢查,若有問題則回傳空指標

GameCharactor* charactor = new GameCharactor();

Object* obj = dynamic_cast<Object*>(charactor);
```

```
obj's addr: 0xed1be8
no Type Check: 0xed1be8
Type Check: 0
```

1. 子類轉父類(ex GameCharactor -> Object)

不會有問題,可以直接轉

2. 父類轉子類(ex Object -> GameCharactor)

須注意不要存取不存在的屬性

3. 若不確定,可使用dynamic_cast