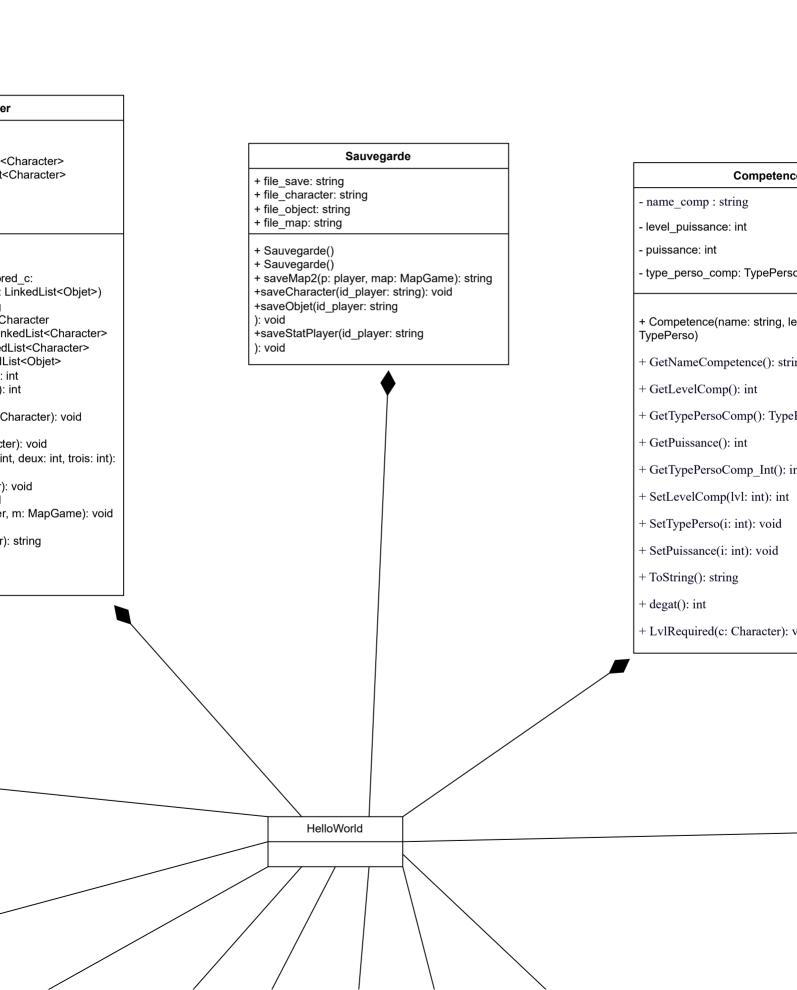
## Carte

- + ligne: int + colonne: int
- + mapAscii: string[]
- + field: string
- + MapGame()
- + MapGame(s: string, ligne: int, colonne: int)
- + size(): int
- + getNbLigne(): int
- + getNbColonne(): int
- + getField(): string
- + getElementMap(index: int): string
- + getMap(): string[]
- + toString(): string
- + displayMap(): void
- + displayMapWithColor(): void
- + displayDescription(descr: string): void
- + indicationManip(): void
- + addElement(s: string, x: int, y: int): void
- + changeCase(s: string, index: int): void
- + changeField(i: int, j: int, k: int, l: int): void
- + getCase(x: int, y: int): string
- + getCase(index: int): string
- + resizeLigne(I: int): void
- + resizeColonne(c: int): void

Play

- id name: string
- current: Character
- active\_perso: LinkedList
- stored\_perso: LinkedLis
- obj: LinkedList<Objet>
- + Player()
- + Player(id\_name)
- + Player(name: string, sto LinkedList<Character>, o
- + getPlayerName(): string
- + getCurrentCharacter():
- + getActiveCharacter(): Li
- + getStoredPerso(): Linke
- + getCharaObjet(): Linked
- + getNbActiveCharacter()
- + getNbStoredCharacter(
- + getNbObjet(): int
- + setCurrentCharacter(c:
- + toString(): string
- + addCharacter(c: Charac
- + setActiveCharacter(un: void
- + displayInfo(c: Character
- + displayInventaire(): void + selectPerso(c: Characte
- + changeEquipe(): void
- + fight(ennemy: Characte
- + save(): void
- + load(): void



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)

vel: int, p: int, t:

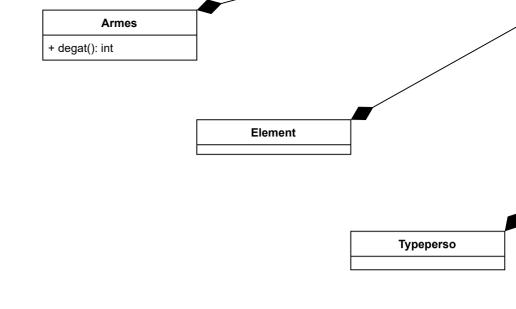
Perso

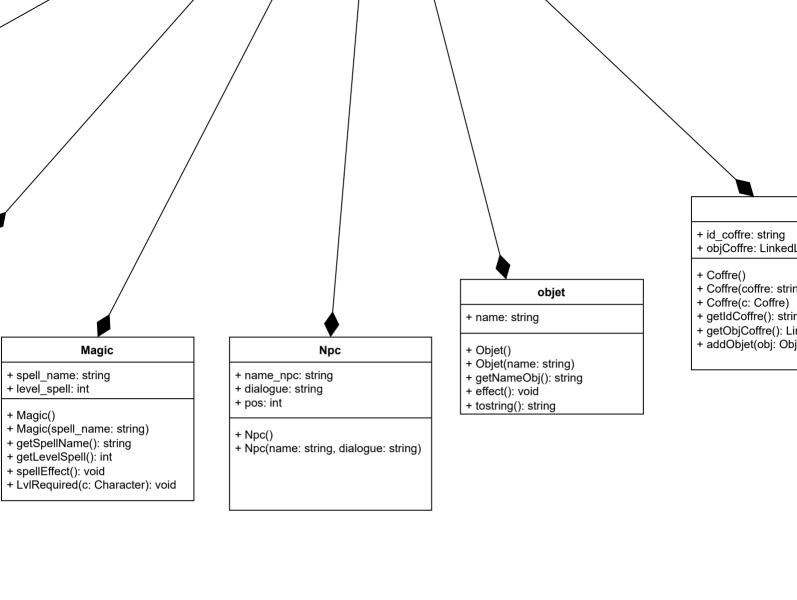
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## Character

- name: string
- lifePoint: int
- lifePointMax: int
- magicPoint: int
- magicPointMax: int
- atk stat: int
- def\_stat: int
- level: int
- posX, posY, pos: int
- representation: string
- atk: LinkedList<Competence>
- + Character()
- + Character(name: string, p: tring)
- + Character(name: string, lifePoint: int, lp: int, magicPoint: int, mpMax: int, def\_stat: int, level: int, posX: int, posY: int, r: string, atk: LinkedList<Competence>)
- + Character(name: string, lifePoint: int, lp: int, magicPoint: int, mpMax: int, def\_stat: int, level: int, pos: int, r: string, atk: LinkedList<Competence>)
- + Character(c: Character)
- + gatName(): string
- + getRepresentation(): string
- + getLife(): int





Coffre

List<Objet>

lig, obj: LinkedList<Objet>)

lig

hkedList<Objet>
et): void

```
+ getLifeMax(): int
+ getAtkList(): LinkedList<Competence>
+ getMagicPoint(): int
+ getMagicPointMax(): int
+ getAtkStat(): int
+ getDefStat(): int
+ getLevel(): int
+ getPositionx(): int
+ getPositiony(): int
+ setPositionX(x: int, m: MapGame): void
+ setPositionY(y: int, m: MapGame): void
+ setRandomPosition(m: MapGame)
+ setRandomPositionX(m: MapGame)
+ setRandomPositionY(m: MapGame)
+ toString(): string
+ statAtk(): int
+ moveX(): void
+ move(newpos: int, m: MapGame): void
+ move(x: int, y: int, m: MapGame): void
+ moveY(y: int, m: MapGame): void
+ getAtk(): LinkedList<Competence>
+ addAtk(): void
+ isAlive(): bool
+ fightscreen(ennemy: Character): void
+ fight(ennemy: Character): void
```