Ship Environment #type: int -weather: int #x: int -treasure: bool #y: int -port: bool #maxLife: int -ship: bool #curLife: int +Environment(): void #treasure: int +setWeatherCond(x: int): void #speed: int +setTreasurePos(x: bool): void #totalNum: int Every Ship(Pirate, Merchand, Repair, Explorer) +setPortPos(x: bool): void #shipNum: int inherits the base class Ship. +setShipPos(x: bool): void +Ship(): void Every ship has also a dependency of the class +getWeatherCond(): int Environment for their functions(Function, Move) +Function(): void +getTreasurePos(): bool that use vectors of Environment instances. +setMaxLife(): void +getPortPos(): bool +setCurLife(): void This diagram was created using UML. +getShipPos(): bool +setSpeed(): void +setTreasure(): void +setX(): void +setY(): void +Move(): void +getMaxLife(): int +getCurLife(): int +getSpeed(): int +getTreasure(): int +getType(): int +getX(): int +getY(): int +getSnum(): int +getNum(): int PirateShip RepairShip ExplorerShip MerchandShip -repNum: int -pirNum: int -exNum: int -merNum: int -damage: int +RepairShip(): void +ExplorerShip(): void +MerchandShip(): void +PirateShip(): void +Function(v: vector, map: vector, i: int): void +Function(v: vector, map: vector, i: int): void +Function(v: vector, map: vector, i: int): void +Function(v: vector, map: vector, i: int); void +setMaxLife(x: int): void +setMaxLife(x: int): void +setMaxLife(x: int): void +setMaxLife(x: int): void +setCurLife(x: int): void +setCurLife(x: int): void +setCurLife(x: int): void +setCurLife(x: int): void +setSpeed(x: int): void +setSpeed(x: int): void +setSpeed(x: int): void +setSpeed(x: int): void +setTreasure(x: int): void +setTreasure(x: int): void +setTreasure(x: int): void +setX(a: int): void +setTreasure(x: int): void +setX(a: int): void +setX(a: int): void +setX(a: int): void +setY(a: int): void +setY(a: int): void +setY(a: int): void +setY(a: int): void +Move(v: vector, map: vector, i: int): void +getSnum(): int +getSnum(): int +getSnum(): int +getMaxLife(): int +getSnum(): int +getMaxLife(): int +getMaxLife(): int +getCurLife(): int +getMaxLife(): int +getCurLife(): int +getCurLife(): int +getCurLife(): int +getSpeed(): int +getSpeed(): int +getSpeed(): int +getSpeed(): int +getTreasure(): int +getTreasure(): int +getTreasure(): int +getTreasure(): int +getType(): int +getType(): int +getType(): int +getType(): int +getX(): int +getX(): int +getX(): int +getX(): int +getY(): int +getY(): int +getY(): int +getY(): int