



«enumeration»

Move

NOOP

**DOWN** 

LEFT

RIGHT

UP

ATTACK

## **EntityHelper** +stormWidthForRound(currentRound: uint): int +stormDamageForRound(currentRound: uint): int +damageForWeapon(weapon: Weapon): int +damageReductionForArmor(armor: Armor): int **GameParser** +parseFileWithName(filename: const string&): boardSize players **BoardPrinter** +printBoard(board: const Board&, shouldPrintColors: bool): void

Coordinate

+opGreater(rhs: const Coordinate&): bool

+opNotEqual(rhs: const Coordinate&): bool

+opEqual(rhs: const Coordinate&): bool

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Constants

STORM WIDTH COEFF

STORM DMG PER LVL

## **Ambusher** +Ambusher(id: uint, x: int, y: int) +const override getWeapon(): SEMIAUTO +const override getArmor(): NOARMOR +const override getPriorityList(): {ATK} Pacifist +Pacifist(id: uint, x: int, y: int) +const override getWeapon(): NOWEAPON +const override getArmor(): METAL +const override getPriorityList(): {UP\*LEFT\*DOWN\*RIGHT}

Tracer

+const override getPrioritvList(): {UP\*LEFT\*DOWN\*RIGHT\*ATK}

+Tracer(id: uint, x: int, y: int)

+const override getWeapon(): SHOVEL

+const override getArmor(): BRICK

Dummy
+Dummy(id: uint, x: int, y: int) +const override getWeapon(): NOWEAPON +const override getArmor(): NOARMOR +const override getPriorityList(): {NOOP}

GameEngine -currentRound: uint -board: Board +GameEngine(boardSize: uint, vector\_Player \*\_ \*players) +const getBoard(): const Board& +operator[](id: uint): Player\* +const isFinished(): bool +takeTurn(): void +takeTurnForPlayer(playerID: uint): Move +const decideWinnerPlayer(): Player\* Board

+const calculateCoordWithMove(move: Move, rhs: const Coordinate&): Coordinate +const visibleCoordsFromCoord(rhs: const Coordinate&): vector\_Coordinate\_

-boardSize: const uint -players: vector<Player \*> \*

+const getSize(): uint

+const isCoordHill(rhs: const Coordinate&): bool +const operator[](rhs: const Coordinate&): Player\*

+updateStorm(uint currentRound): void

+opPlus(move: Move): Coordinate +opMinus(rhs: const Coordinate&): int +Board(uint boardSize, vector Player\* \*players) +const isCoordInBoard(rhs: const Coordinate&): bool +const isStormInCoord(rhs: const Coordinate&): bool

+x: int

+y: int

+Coordinate(int x, int y)

**Entity** 

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Armor

**NOARMOR** 

WOODEN

BRICK

METAL

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Weapon

**NOWEAPON** 

SHOVEL

**SEMIAUTO** 

PISTOL