MessageCallBack (Interface)

InputHelper

regexUserInput: stringregexMenu: string

- regexiveria. string

send(m: string): void

+ playerGameInput(): InputProvider

+ menuInput(): char
- inputCatch(regex: string): char

- validateWithRegex(s: string, regex: string): boolean

Movement

+ gameBoard: Board + messageCallBack: MessageCallBack

maya Playor/input Provider: Input Provider, playor: Playor): T

movePlayer(inputProvider: InputProvider, player: Player): Tile

- moveEnemy(inputProvider: InputProvider, enemy: Enemy): Tile
- getNewPosition(inputProvider: InputProvider, position: Position): Position

validMove(position: Position): boolean

UnitsInRange

+ gameBoard: Board

enemiesInRange(player: Player, range: int): List<Enemy>

Board

+ height: int

+ width: int - player: Player

- enemies: List<Enemy>

- board: string[][]

+ walls: HashMap<Position, Wall>

+ getTile(position: Position): Tile

+ buildBoard(file: File): void

+ buildArray(): void

+ remove(e: Enemy): void

+ arrayToString(): string
+ toString(): string

- board: Board

- countTicks: int

- messageCallBack: MessageCallBack

LevelManager

- filesOfLevels: List<File>

- unitList: List<Unit>

+ start(adress: string): void

+ loadLevel(file: File): void

+ gameTick(): void

+ createListOfLevel(adress: string): void + instruction(): void

- startLevel(): void

- getPlayerMenu(): void + printLevel(): void

+ printMenu(): void + printChosenPlayer(): void

UnitDB

+ playerPool: Map<string, Unit>

+ enemyPool: Map<string, Unit>

