

CRC Cards (Group 1190)

Player (Entity)

Responsibilities:

- Generate a Player
- Store Player position, points, sprite
- makeMove (Sets new position of player using Board's makeMove)
- getPos
- SetPoints
- getPoints
- toString

Collaborators:

Board

Tile (Entity)

Responsibilities:

- Creates tile
- Store Tile transversability, sprite
- isTraversable (isTransversable getter)
- toString

Collaborators:

Board (Entity)

Responsibilities:

- Store board, board size
- generateBoard (add Tiles)
- makeMove (Return updated position after checking relevant Tile)
- getSize
- toString

Collaborators:

Game
Tile
Player

Renderer (Use Case)

Responsibilities:

- renderGame (String representation of game)

Collaborators:

Game

SystemInOut (Use Case)

Responsibilities:

- parse (Interprets user input)

Collaborators:

Game (Use Case)

Responsibilities:

- Store board, player, isRunning
- makeMove (move Player - using Player's move and Board's makeMove)
- getRunning
- setRunning
- getPlayerPosition
- getPlayerString
- getBoardString

Collaborators:

Board
Player

GameRunner (Controller)

Responsibilities:

- runGame

Collaborators:

Game
Renderer
SystemInOut