**War of Robotcraft**

**Design Document**

Team: A3

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Document History Log:

# Introduction

# Architecture

# Detailed Design

## 3.1 Packages and Classes

### 3.1.1 Model

### 3DCoordinate

The 3d coordinate class contains three integer values x, y, and z.

### Game

The game class makes the whole game run functionally.

* + setPlayerPosition() : void
    - Summary:
    - Precondition:
    - Postcondition:
  + nextPlayer() : void
    - Summary:
    - Precondition:
    - Postcondition:
  + runPlay() : void
    - Summary:
    - Precondition:
    - Postcondition:
* Map

The map class

* + setMapSize(int mapSize) : void
    - Summary:
    - Precondition:
    - Postcondition:
  + updateMist() : void
    - Summary:
    - Precondition:
    - Postcondition:
* Player

The player class

* + isDead() : bool
  + getCurrentRobot() : Robot
  + nextRobot() : void
* HumanPlayer extends Player
  + move() : void
  + turn() : void
  + shoot() : 3DCoordinate
* AIPlayer extends Player
* Robot
  + turn(int direction) : void
  + move() : void
  + shoot(int distance) : 3DCoordinate
  + damaged(int attackPoint) : void
  + isDestroyed() : bool

### 3.1.2 View

* GameStartView
* SetGameModeView
* GameBoardView
* PlayerStatusView
* GarageView

### 3.1.3 Controller

* WarOfRobotcraft

### 3.1.4 WarOfRobotcraft

* Entry

## 3.2 UML

# Different