

BW4T

REFACTOR

BEFORE

Complexity

2,7 /function

19,2 /class

24,4 /file

Unit Tests Coverage

-

Files

56

13 directories

71 classes

506 functions

Issues

630

Lines of code

5.751

AFTER

Complexity

1,8 /function

10,4 /class

12,6 /file

Unit Tests Coverage

50,4%

Files

282

91 directories

341 classes

1.931 functions

Lines of code

18.586

CLIENT-SERVER ARCHITECTURE

REDUCE COMPLEXITY

REDUCE DEPENDENCIES

FIXING ISSUES

LOGGER

LAUNCHER

TESTING

MAP EDITOR

Environment Store - Untitled

File Tools

Right click on a cell to do modify its appearance. If you choose to modify this cell to a room, you can right click to change th...

CorridorA1	CorridorB1	CorridorC1	CorridorD1	CorridorE1
CorridorA2	RoomB2	RoomC2	RoomD2	RoomE2
ChargeZoneA3	CorridorB3	CorridorC3	CorridorD3	CorridorE3
CorridorA4	RoomB4	DropZone	RoomD4	CorridorE4
CorridorA5	CorridorB5	CorridorC5	CorridorD5	CorridorE5
CorridorA6	RoomB6	RoomC6	RoomD6	CorridorE6
CorridorA7	CorridorB7	StartZoneC7	CorridorD7	CorridorE7
CorridorA8	CorridorB8	RoomC8	RoomD8	CorridorE8

CUSTOM MAPS

RANDOMIZE ZONES AND BLOCKS

RANDOMIZE SEQUENCE

PREVIEW MAP

NEW ZONES

OLD MAP SUPPORT

HANDICAPS

Bot Editor

Bot name:

Bot 4

Agent:

Amount of this type:

1

GOAL options

Bot reference name:

robot

GOAL file name:

robot.goal

Use existing GOAL file

Specs

Handicaps:

☐ Gripper Disabled

☐ Color Blind Handicap

Other options:

☒ Custom Bot Size

☒ Custom Bot Speed

☒ Battery Capacity enabled

Number of Grippers

1 2 3 4 5

Bot Size

1 2 3 4 5

Bot speed

70 80 90 100 110 120 130 140

Battery Capacity

10 20 30 40 50 60 70 80 90 100

Battery uses: 0,0528 per tick

Save Reset Cancel

SCENARIO EDITOR

CONFIGURE THE SIMULATION

ADD & EDIT BOTS

EPARTNERS

Scenario Editor - Untitled

File

Configuration

Class:

Robot

Port:

2000

Server

Host:

localhost

Port:

2000

Launch GUI

☒ Yes

☐ No

Visualize Paths

☒ Yes

☐ No

Enable Obstacles

☒ Yes

☐ No

Map File

☒ Load Last Documented Scenario

Entities

Entity

Agent

Agent file

Number of bots

Bot 1

Agent

robot.goal

1

Bot 2

Agent

robot.goal

1

Bot 3

Agent

robot.goal

1

Bot 4

Agent

robot.goal

1

Total number of bots:

4

Entity

Health

Number of partners

Bot 1

Health

0

Bot 2

Health

0

Bot 3

Health

0

Bot 4

Health

0

Total number of partners:

0

SEARCH AND RESCUE

KATIA ASMOREDJO
JAN GIESENBERG
XANDER ZONNEVELD
VALENTINE MAIRET
JOOST ROTHWEILER
MARTIN ROGALLA
RUBEN STARMANS

JOOP AUÉ
NICK FEDDES
ARUN MALHOE
DANIEL SWAAB
SEU MAN TO
SHIRLEY DE WIT
CALVIN WONG LOI SING

WENDY BOLIER
SILLE KAMOEN
TOM PEETERS
TIM VAN ROSSUM
SANDER LIEBENS

