Robot Class Example
Class Relationship Diagram

Robot

Attributes (Data)
- int currentAvenue
-int currentStreet
-int speed
-int direction
-Thing backpack

Behaviours (Methods)
+ Robot(City city, int avenue, int street, int direction, int numThings)
+ void move()
+ void turnLeft()
+ void pickThing()
+ void putThing()
…

City

Attributes (Data)
- Robot robots
-Wall walls
-Thing things

Behaviours (Methods)
+ City()
+ City(String descriptionFile)
+ void showThingCounts(boolean show)
…

*
City
Has a
Robot

City
Has a
BetterRobot

BetterRobot
Is a
Robot

*

BetterRobot

Attributes (Data)

Behaviours (Methods)
+ BetterRobot(City city, int avenue, int street, int direction, int numThings)
+ void turnRight()
…