

# Individual Lab Exercise – Complete MyBoundedGrid

In this exercise, you are to work by yourself, individually, without assistance from your classmates. You are not allowed to collaborate. You are not allowed to share code, or discuss your code with anyone other than your teacher.

## 1. Download the Case Study code

Download the case study code from Athena2. You will download a jar file that you need to load as a library in your IDE or use as a library from the command line. You will also download a number of completed projects using both Bugs and Critters.

## 2. Run the case study

Run some of the example projects. Make sure that you can switch between BoundedGrid and UnBoundedGrid using the GridWorld user interface.

## 3. Finish coding MyBoundedGrid

Complete the methods:

```
public E remove(Location loc)
public E get(Location loc)
public ArrayList<Location> getOccupiedLocations()
```

Add the GridWorld library to your project and test your MyBoundedGrid by running the sample programs you used in part 2. You should see MyBoundedGrid as an option in the GridWorld user interface.

## 4. Turn in your work

Turn in your code, completed or not, by the end of the class period today! No late assignments will be accepted.