

**Programming Challenge 5**  
**(Full Score: 1 point)**

**(Due by 2/23/2011/Wednesday Midnight at Moodle)**

Your name:	Score:
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Using **Java API**/collections (Set, Queue, Stack, TreeSet...) to complete the Maze game of Chapter 4 of the textbook such that your solution will print out the successful path.

- There are some “bugs” in the original implementation. Implementing Comparable will get rid of them.
- Using Set/TreeSet and others are encouraged.
- Successful completion of this project will add full score of A#5 to your grade in addition to the following credit Challenging Project points:
  - Base point: **1 point**;
  - If you have used both Depth-First-Search and Breadth-First-Search and compared which one might be a better algorithm in this case (with several test cases): **2 points**.
  - If you figured out what might be the problem in the textbook’s implementation and you have improved in your project: **N points** (*negotiable*).

**Submission:**

Submit your projects (resource code only) in a **compressed file** to **Moodle** by **2/23/2011/Wednesday Midnight -Midnight!**