

M7.B2: Assignment: Homework Assignment 4: Recursion

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Due Sunday by 11:59pm **Points** 100 **Submitting** a file upload

Homework Assignment 4

Complete Homework Assignment 4: Recursion as outlined in the instructions. Use the Live Session as an opportunity to ask questions about this assignment. You will develop your programming assignments using Eclipse IDE. Carefully follow all of the guidelines provided in the document below. Your source code file(s) will be named as instructed in assignment guidelines. Compress the file(s) into a single zip file, and name it `hw4_FirstInit_LastName.zip`.

[Homework Assignment 4](https://sit.instructure.com/courses/54926/files/8323701/download?download_frd=1)  (https://sit.instructure.com/courses/54926/files/8323701/download?download_frd=1)

The stub of the code is

[stub.zip](https://sit.instructure.com/courses/54926/files/8323729/download?download_frd=1)  (https://sit.instructure.com/courses/54926/files/8323729/download?download_frd=1)

Grading Rubric for Homework Assignment 4

| Criteria | Ratings | | | Pts |
|----------------------------|---|--|--|--------|
| UML diagram implementation | 10 pts Exemplary UML diagram is implemented correctly and precisely, such as no extra public methods. Private methods allowed | 0 pts Insufficient Code does not compile | 0 pts Moderate Incorrect or imprecise UML implementation | 10 pts |
| PairInt class | 10 to >8.0 pts Exemplary PairInt class is in a separate file and implemented correctly | 8 to >0.0 pts Moderate The class is implemented correctly but no error checks | 0 pts Insufficient Code does not compile | 10 pts |
| findMazePath() | 25 pts Exemplary Correct implementation of method | 0 pts Insufficient code does not compile | 0 pts Moderate No partial credit given for any method | 25 pts |
| findAllMazePaths() | 25 pts Exemplary Correct implementation of method | 0 pts Insufficient Code does not compile | 0 pts Moderate No partial credit given for any method | 25 pts |
| findMazePathMin() | 25 pts Exemplary Correct implementation of method | 0 pts Insufficient Code does not compile | 0 pts Moderate No partial credit given for any method | 25 pts |
| JavaDoc Comments | 5 pts Exemplary Includes clear comments No partial credit for comments | 0 pts Insufficient Code does not compile | 0 pts Moderate No partial credit | 5 pts |
| Total Points: 100 | | | | |