CSC 255	*Objects and Algorithms*	**Special Project 5**

Student Name _____ **Section** _____

Instructor _____ **Due Date** _____

Thoroughly read the objectives, instructions and requirements of this special project and then use suitable electronic technology tools to solve the given project(s).

If applicable, submit both your program source code, with your name, date and course information in the heading portion of your code, as well as the required output(s).

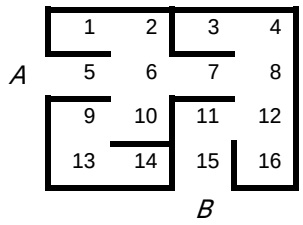
(A Maze Game)

(100 Points Maximum) ***your score*** _____

Objective To investigate a maze algorithm.

PROJECT DESCRIPTION

Consider the maze given below, which has an entry point label as *A* and an exit point labeled as *B*. The " rooms " or sections of the maze are numbered for your convenience. From the perspective of an algorithm, explain how you would create a computer software program that will solve the puzzle of the maze, that is the correct route to navigate from the entrance point to the exit point.



Information About This Project

A maze is a tour puzzle in the form of a complex branching passage through which the solver must find a route.

Steps To Complete This Project

STEP 1 **Open MS Word on Your Computer**

Launch Microsoft Word.

STEP 2 **Write Your Algorithm**

In a new Word document, explain in detail how you would navigate from the entrance point to the exit point if the maze. Write your explanation from the perspective of a computer program attempting to solve the maze puzzle.

STEP 3 **Create an Application**

For this special project, you are merely required to write a report that details how a simple maze can be solved by a computer program. However for extra credit, you may write a computer program that solves the maze.

STEP 4 **Submit Screen Snapshots**

Submit screen snapshots showing the operation of you program and / or submit your MS Word report.

Student Name _____ **Section** _____