

### **Rat in a Maze Project (Rescue Remy)**

Your job is to implement classes that provide a solution to the Rat in the Maze problem. Your program will print a path found using the "depth-first search" approach and also a shortest path using the "breadth-first search" approach.

You will be using two C++ classes: Position and Maze.

You will be supplied the following files:

Position.h, Position.cpp, Maze.h, suppliedMazeFuncs.cpp, Maze.cpp, RescueRemy.cpp. mazeInput and correctOutput.

The file suppliedMazeFuncs.cpp will contain implementations for all but two of the methods from Maze.h. This file is included in the incomplete file Maze.cpp. Your task will be to fill in the missing code for the two functions in Maze.cpp.

You are not to modify any of the files except Maze.cpp, which is also the only file you will submit.

The file mazeInput is an input file corresponding the example maze from the lecture slides in the MazeProject folder; if you execute your program with input redirected to come from mazeInput and redirect output to mazeOutput, then the contents of mazeOutput should match the contents of correctOutput.