**CIS 282**

**Final Assignment**

**To turn in:**

* Attach a file maze\_lastname.rb as an attachment to the assignment in Canvas.
* Subject line: CIS 282, Name, Maze

**To do:**

Write a Ruby program which will solve a simple maze which will be provided. Inside your program, you will need to:

1. Read the maze into memory into some structure for processing – DOUBLE ARRAY
2. Print out the maze before it is solved
3. Solve the maze by printing a character "path" from the beginning to the end which is specified by S (start) and F (finish).
4. Print the final maze with the path shown
5. IF there is no solution, then print an appropriate message and re-display the menu

There are 10 mazes provided called "maze1.mz" through "maze10.mz" which you can use to test your solution.

**Your main program should show a menu to the user to allow them to select a particular maze to solve**.  
  
A short description of the algorithm as well as the mazes are provided in an attachment here.