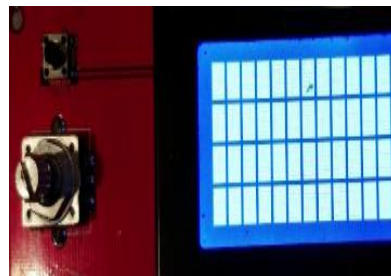


Comp551 Artificial Intelligence Project General Instructions

Due 24/12/2019 11:59pm

- 1- Please look up your project and your group from the moodle. Your group number will correspond to your project number
- 2- For the input of your project assume that you can get a flexible input. Mean do not hard code your program. Each time you can get a different board with different black boxes in some problems or different missing spaces sometimes.
- 3- If needed you can create your input values in the input.txt file as given in the example. (if in your problem you have an example input squares)
- 4- Do not expect any command line argument(s).
- 5- 3. There can be any number of white spaces between fields in the input file.
- 6- You can use your choice programming language
- 7- Each problem has their nature so read the questions carefully but depend on the nature of each project I want you to customize the additional output to the board as follows

OUTPUT ON THE BOARD: You are requested to have a board or board like grid consisting of the dimensions of your board. So that you can either turn on-off the lights (turn the colors etc.) depend on the extracted path in your algorithm. Be creative and design some hardware to Show me the output on some hardware design. Some examples are below.



Documentation. For each project I need you to have the following information documented

- 1- Problem definition
- 2- Team members and a table showing your work division among the team members with a signature column. At the end you need to sign that column before your submission.
- 3- Your choice of software and why.
- 4- Description of your logic
- 5- Your code, commented for each function or function point
- 6- The problems you faced in the project and how you solved it.
- 7- Logic of output on the board and how it will function. Including actual photos of your system

Submission

The submission should include the above mentioned explanation .doc document together with your zipped code files. For hardware you are supposed to present your work in presentation

Each group will present their work to class in a given time and place and the selected best project will get +20 in grading. If you get 100 you will get +5 in your overall grading.

The project will be submitted by the project manager through a course website as a one file from moodle system

Good Luck,

Vesile