

Fall 2022: Programming Fundamentals Project - Self Evaluation Sheet

Student Information

Name: Abdul Rafay

Roll#: 22i-8762

Evaluation Rules:

Assign yourself full marks if you claim a complete implementation of the given Question.

Assign yourself zero marks if you have missed the implementation of the given Question.

| Sr# | Evaluation Sheet |
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| 1 | Correct function writing and use of PF concepts (atleast 10 functions & no global variables and arrays) |
| 2 | Comment Each Function: Comment should include what problem they will solve |
| 3 | Menu displayed correctly with options(view leader board, view balance, options,start game, exit etc.) |
| 4 | Battleship Board (A 10x10 grid and battleships of various length) is displayed |
| 5 | Placement of battleships on the board using mouse. Correct placement of ships with a distance of at least one empty cell between each. |
| 6 | Input validation (if the placement of ship is not possible in the given cell due to already placed ship or space available is not sufficient to fit in the battleship) |
| 7 | Random/Automatic placement of battleships |
| 8 | Changing Orientation of battleships. |
| 9 | Score and at least one option (balance, timer and armory) is displayed. |
| 10 | At the start of game two grids (one empty and other with ships) are displayed side by side. |
| 11 | Turns are managed correctly. Automatic shift of turn if the timer expires. |
| 12 | Correct shooting on empty cell, battleship, mine etc. |
| 13 | Cells adjacent to battleship are exposed, if a it is completly destroyed. |
| 14 | Correct scoring(correct hit=60). If the distance between two successful shots is more than 2 turns, then there would be negative points of (-20) for each unsuccessful shot. |
| 15 | Balance and score management. (Deduction and addition from and to balance) |
| 16 | Use of mines and (bombers/submarine) (placement and use) |
| 17 | Use of Glut/Glew callback functions |
| 18 | Bonus for correct applicaiton of Translation/rotation of battleships |
| 19 | Bonus for using images for ships and mines |
| 20 | Bonus for pointers and DMA |
| 21 | Correct file handling |
| 22 | Correctly following the submission instructions |
| 23 | Plagiarism deduction (will most probably result in F Grade) |
| | Total (130) + Bonus(35) |

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To be filled by the evaluator

Evaluator's Name: Dr. Maryam

Evaluator's Comments:

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| 0 | 10 |
| 5 | 5 |
| 10 | 10 |
| 5 | 5 |
| 5 | 5+5 |
| 5 | 5 |
| 5 | 5 |
| 0 | 5 |
| 5 | 5 |
| 5 | 5 |
| 5 | 5 |
| 5 | 5 |
| 0 | 5 |
| 5 | 5 |
| 5 | 5+5 |
| 0 | 5+5 |
| 10 | 10 |
| 0 | 10 |
| 0 | 10 |
| 0 | 5 |
| 5 | 10 |
| 5 | 5 |
| 85 | -100% |
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