

# Course Project – Programming Fundamentals [Fall 2022]

## Project Self Evaluation Sheet

| Name   | Sultan Umar Cheema |          |  |
|--|--------------------|----------|--|
| Registration#  | 22i-1559           |          |  |
| Class Section  | CY-B               |          |  |
| Task Implementation  | Marks              | Obtained |  |
| Load stock market data   | 10                 | 10       |  |
| Show Stock Market Screen   | 10                 | 10       |  |
| In market screen: calculation of <b>random increase/decrease, high/low, total shares traded, top advancers/decliners</b> . [4 x 5 marks] | 20                 | 10       |  |
| Load and Store portfolio data in portfolio.txt file (5 + 5 marks)  | 10                 |          |  |
| Show portfolio screen (almost same as Stock Market Screen Live)  | 10                 | 20       |  |
| In the Portfolio screen: <b>calculation of gain/loss, keeping a record of high/low, total gain/loss, current/previous balance</b>        | 20                 | 20       |  |
| Add stock to the portfolio (use colors for bonus marks)  | 10                 | 10       |  |
| Remove stock from the portfolio  | 10                 | 10       |  |
| Add/Remove money from the account  | 10                 | 10       |  |
| <b>TOTAL MARKS</b>   | <b>110</b>         |          |  |
| <b>Bonus marks</b>   |                    |          |  |
| Use text and background colors similar to the output in the figure. The gain will be green and the loss will be indicated by red.        | 10                 | 10       |  |
| Save updated market data on closing the application (closing session)  | 10                 |          |  |
| Use a dynamic array to keep a list of user stock   | 10                 |          |  |

|   |           |  |
|---|-----------|--|
| portfolio.txt is properly formatted using iomaip  | 10        |  |
| <b>Deduction scenarios</b>  |           |  |
| Not properly indented/commented code.   | -10 marks |  |
| Your project cpp file should have your Name, Roll number, Class section in comments at the top. | -10 marks |  |
| Illogical variable names, wrong type of variables used  | -10       |  |
| Global variable used  | -100%     |  |
| Using constructs like GOTO, OOP, etc not taught in the course                                   | -100%     |  |
| Plagiarism  | -100%     |  |
| Cannot redo task given in demo (could write similar code but is incorrect)                      | -50%      |  |
| Cannot redo task given in demo (totally blank, clueless)  | -100%     |  |