# ECS414U/A Miniproject form

Queen Mary University of London

2021/22

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| Name | Hannan Jawad |
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| Submitted file name | HannanMPOOP |
| Level of this program (1, 2, 3, Extra) | 3 |

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| Brief description of the program. Write the chosen theme and a high-level overview of the features (two or three sentences should suffice). |
| This is a stock trading app, where you can buy and sell shares and add stocks of your own choice. You can then view each stock and see how many shares you have in that particular stock and sell accordingly. |

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| List all your source code files, and briefly describe their roles. Add as many rows as necessary. Mark the main file used for compilation in bold. | |
| File name | Description |
| TradingApp.java | Main source of code, prints stock names and create buttons needed for the GUI. |
| Agent.java | Contains portfolio, and methods to buy/sell stocks, along with the removal of stocks. |
| Account.java | Contains the instance methods for the shares (buy/sell etc). |
| Stock.java | Inherits the properties of the class User, and uses superclass name. |
| Prompt.java | Basically creates the window that will be opened when the code is run, with imports to press buttons, along with the layout details. |
| User.java | Inherited by class Stock, methods to get and set name. |
| WindowCloser.java | Exits and closes the window that was opened. |

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| Class diagram, in the format specified in the instructions. |
| Diagram  Description automatically generated |

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| Usage instructions. Describe briefly what features are available to the user and how to use them. If File I/O is used, list and describe the files involved. |
| View the portfolio of the relevant stock. There is two example stocks that have been added already, but please do add your own stock, it will update its price on its own, and then with the new stocks added you can buy/sell your shares. |

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| Other comments. |
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