# ECS414U/A Miniproject form

Queen Mary University of London

2021/22

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| Name | Ameera Shahid |
| Student ID | 200337982 |
| Submitted file name | InvestmentApp.zip |
| Level of this program (1, 2, 3, Extra) | 2 (with elements of 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). |
| I chose to do an investment trading app where the user can add any companies they would like to invest in, invest money and sell investments in each company, and see their total investments for each company. |

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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 |
| Portfolio.java | Class that calls on different methods and variables to give a total shares value for each company |
| Agent.java | Class that contains main calculation methods that can then be called on in other classes. |
| InvestmentTradingApp.java | Main class- contains the layout, buttons, text, input and outputs, e.t.c. It calls on other methods and classes to produce the final product. It contains the bulk of the program and is essential for the actual code to run. |
| Share.java | Implements user to add detail to the profile of the company by adding amount of funds for the company |
| Prompt.java | Uses gui to add a submit button so the input data is manipulated and stored |
| User.java | Creates a profile for the user(company) |
| WindowCloser.java | Closes the window |

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| Class diagram, in the format specified in the instructions. |
| User  Portfolio  Agent  InvestmentTradingApp  Share  WindowCloser  prompt |

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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. |
| They are able to see the list of companies they’ve invested into by clickingk the portfolio button, see how much they’ve invested into each company by clicking on the individual share button, add a new company to invest into by clicking on the add share button, invest into a share by clicking on the invest button and then typing out which company they want to invest in and how much, and then they are able to sell investments by clicking on the sell button and typing out which company they want to sell from and how much they want to sell. |

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| Other comments. |
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