**Team Division of Labor Report**

Group Assignment #:

Team members (list the team members and indicate the team leader):

1. Colin Tran

2. Destiny Thomson-Shen - Leader

3. Mariyah Salat

4. Havish Kota

5.

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| --- | --- | --- | --- |
| # | Tasks and responsibilities | Member lead | Collaborator(s) |
| 1. | Add escape option for each line when creating a new appliance | Destiny | Colin |
| 2. | Added print information of new appliance after it is created | Destiny | Colin |
| 3. | Added a method that deletes the newly created appliance if it was created incorrectly | Destiny | Colin |
| 4. | Added overloaded methods that print information to a csv file | Destiny | Colin |
| 5. | Implemented print to csv code that prints the user inputs, the program outputs, and other information to a csv file using overloaded methods. | Destiny | Colin |
| 6. | Created program outline that details all inputs, outputs, and required methods and classes. | Destiny |  |
| 7. | Created initial design slideshow and finished program outline and testing slides. | Destiny |  |
| 8. | Implemented input handlers and corresponding error handlers | Colin |  |
| 9. | Implemented Appliance class constructor which increments a count to create unique IDs for every new appliance | Colin |  |
| 10. | Created Appliance class fields, accessors, mutators, and other methods | Colin |  |
| 11. | Implemented method to add appliance to existing list | Colin |  |
| 12. | Implemented method to delete appliance or clear all appliances from existing list | Colin |  |
| 13. | Implemented method to list appliances | Colin |  |
| 14. | Implemented algorithm to turn smart appliances to low and start browning out locations | Colin |  |
| 15. | Implemented switch case menu and error handling for each case | Colin |  |
| 16. | Implemented loop that increments for number of steps given by user | Colin |  |
| 17. | Implemented loop to iterate through all appliances and turn them on based on appliance ProbOn and random float probability | Colin |  |
| 18. | Implemented error handling for file writer | Colin |  |
| 19. | Implemented arrays to keep track of affected appliances and locations each step | Colin |  |
| 20. | Implemented arrays to keep track of current state of all appliances at end of each step | Colin |  |
| 21. | Implemented summary report to terminal screen for simulation | Colin |  |
| 22. | Implemented the simulation | Colin |  |
| 23. | Created README.txt for using program | Colin |  |
| 24. | Created UML class diagrams for presentation | Colin |  |
| 25. | Created description of our algorithm to change the status from “on” to “low” for smart appliances and strategy to “brown out” locations for presentation | Colin |  |
| 26. | Implemented method to find max affected location(s) | Colin |  |
| 27. |  |  |  |

(Add as many rows to the table as you need)

**Use the following guidance when completing this report**

**Tasks and responsibilities:** Provide a brief description of the task or responsibility. Be as specific as possible. E.g. “Implemented the algorithm for figuring out the neighborhood of an individual”

**Member lead:** List the person responsible for completing the task or responsibility.

**Collaborator(s):** List all the team members who worked with the lead to complete the task or responsibility.