

Elevator Control System and Simulator

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Carleton University  
Department of Systems and Computer Engineering  
SYSC 3303A Real-Time Concurrent Systems Winter 2023  
Iteration 1 - Establish Connections between the three subsystems.  
@version 1.0, 02/04/23  
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Group 7 Members:

- * Ismail Zakaria
- * Liu Patrick
- * Nguyen Trong
- * Elmokdad Hussein
- * Ngo Huu Gia Bao

The distribution of work was coordinated using Atlassian Jira Software which can be viewed using this link: [ECSS](#) for quick reference - see APPENDIX A.

General task distributed were the following:

Main code base:

Trong: Elevator class, README, UML class & sequence, refactoring

Bobby: Scheduler class, README, UI logger







































































































Hussein: Floor class, FloorTest, ElevatorTest

Patrick: Parser class, ElevatorRequest class, ParserTest, Exception class

Zak: Integration of system and system testing, revisions

Everyone took part in major code reviews and approved pull requests.

APPENDIX A

| Type | Key ↑ | Summary | Assignee | Reporter | P | Status | Resolution | Created | Updated |
|---|---------|--|---|---|---|---------------|------------|--------------|--------------|
|  | ECSS-1 | Setup tasks |  Bobby Ngo |  Bobby Ngo | = | DONE ✓ | Done | Jan 15, 2023 | Feb 3, 2023 |
|  | ECSS-2 | Iteration 1 Implementation |  Unassigned |  Patrick Liu | = | TO DO ▾ | Unresolved | Jan 18, 2023 | Jan 25, 2023 |
|  | ECSS-4 | Submit Iteration 1 on BrightSpace |  Trong Nguyen |  SYS3303 Project... | = | TO DO ▾ | Unresolved | Jan 18, 2023 | Feb 4, 2023 |
|  | ECSS-5 | Elevator class |  Trong Nguyen |  SYS3303 Project... | = | DONE ✓ | Done | Jan 18, 2023 | Feb 2, 2023 |
|  | ECSS-6 | Scheduler Class |  Bobby Ngo |  SYS3303 Project... | = | DONE ✓ | Done | Jan 18, 2023 | Jan 29, 2023 |
|  | ECSS-7 | Floor class |  Hussein El Mokdad |  SYS3303 Project... | = | DONE ✓ | Done | Jan 18, 2023 | Jan 29, 2023 |
|  | ECSS-8 | Complete README.txt |  Bobby Ngo |  SYS3303 Project... | = | IN REVIEW ▾ | Unresolved | Jan 18, 2023 | Feb 3, 2023 |
|  | ECSS-9 | Iteration 1 - Breakdown of Responsibilities |  Trong Nguyen |  SYS3303 Project... | = | DONE ✓ | Done | Jan 18, 2023 | Feb 3, 2023 |
|  | ECSS-10 | Iteration 1 - UML Class Diagram & Sequence Diagrams |  Trong Nguyen |  SYS3303 Project... | = | DONE ✓ | Done | Jan 18, 2023 | Feb 4, 2023 |
|  | ECSS-11 | Verify JavaDoc & Meaningful Comments |  Trong Nguyen |  SYS3303 Project... | = | DONE ✓ | Done | Jan 18, 2023 | Feb 4, 2023 |
|  | ECSS-12 | Verify Unit Testing for all Classes |  Trong Nguyen |  SYS3303 Project... | = | IN PROGRESS ▾ | Unresolved | Jan 18, 2023 | Feb 4, 2023 |
|  | ECSS-13 | Initial Environment Setup |  Zakaria Ismail |  Zakaria Ismail | = | DONE ✓ | Done | Jan 20, 2023 | Jan 29, 2023 |
|  | ECSS-14 | Configure CI/CD Automated Testing |  Unassigned |  Zakaria Ismail | ≡ | TO DO ▾ | Unresolved | Jan 21, 2023 | Jan 24, 2023 |
|  | ECSS-15 | Iteration 0 Results Processing |  Trong Nguyen |  Zakaria Ismail | = | DONE ✓ | Done | Jan 21, 2023 | Feb 3, 2023 |
|  | ECSS-16 | Configure Logging |  Unassigned |  Zakaria Ismail | ≡ | TO DO ▾ | Unresolved | Jan 21, 2023 | Jan 26, 2023 |
|  | ECSS-17 | Input File Parser and Tests |  Patrick Liu |  Patrick Liu | ^ | DONE ✓ | Done | Jan 23, 2023 | Feb 2, 2023 |
|  | ECSS-18 | Fix/Setup Relative Filepath for input.txt file |  Unassigned |  Zakaria Ismail | ≡ | DONE ✓ | Done | Jan 24, 2023 | Jan 29, 2023 |
|  | ECSS-19 | Setup config.properties file to select input file |  Unassigned |  Zakaria Ismail | ≡ | TO DO ▾ | Unresolved | Jan 24, 2023 | Jan 26, 2023 |
|  | ECSS-20 | Unit test main.parser.Parser class |  Patrick Liu |  Zakaria Ismail | = | DONE ✓ | Done | Jan 24, 2023 | Feb 3, 2023 |
|  | ECSS-21 | Unit test main.java.dto.ElevatorRequest class |  Patrick Liu |  Zakaria Ismail | = | DONE ✓ | Done | Jan 24, 2023 | Feb 3, 2023 |
|  | ECSS-22 | README file |  Trong Nguyen |  Bobby Ngo | = | IN PROGRESS ▾ | Unresolved | Jan 25, 2023 | Feb 3, 2023 |
|  | ECSS-23 | Create DOCs folder and include UML files |  Hussein El Mokdad |  Hussein El Mokdad | = | DONE ✓ | Done | Jan 25, 2023 | Feb 4, 2023 |
|  | ECSS-24 | .gitignore for IntelliJ |  Zakaria Ismail |  Zakaria Ismail | = | DONE ✓ | Done | Jan 25, 2023 | Jan 25, 2023 |
|  | ECSS-25 | Setup custom exception class with centralized error messages and refactor exception throws |  Unassigned |  Zakaria Ismail | ∨ | TO DO ▾ | Unresolved | Jan 26, 2023 | Jan 26, 2023 |
|  | ECSS-26 | Unit test main.java.floor.Floor class |  Unassigned |  Zakaria Ismail | = | DONE ✓ | Done | Jan 29, 2023 | Feb 3, 2023 |
|  | ECSS-27 | Integrate Iteration 1 Components |  Unassigned |  Zakaria Ismail | ^ | TO DO ▾ | Unresolved | Jan 29, 2023 | Feb 3, 2023 |
|  | ECSS-28 | Phase 1 Component Integration - Parser, Floor, Elevator, Scheduler |  Zakaria Ismail |  Zakaria Ismail | ^ | DONE ✓ | Done | Jan 29, 2023 | Feb 2, 2023 |
|  | ECSS-30 | Bi-directional Communication Implementation |  Zakaria Ismail |  Zakaria Ismail | ^ | DONE ✓ | Done | Feb 2, 2023 | Feb 4, 2023 |
|  | ECSS-31 | Iteration 2 setup |  Unassigned |  Trong Nguyen | = | TO DO ▾ | Unresolved | Feb 3, 2023 | Feb 3, 2023 |
|  | ECSS-32 | Verify that program can read the input file and pass the data back and forth |  Zakaria Ismail |  Zakaria Ismail | ^ | IN PROGRESS ▾ | Unresolved | Feb 3, 2023 | Feb 4, 2023 |
|  | ECSS-33 | Standardize string output to use String.format for variables instead of + concat |  Zakaria Ismail |  Zakaria Ismail | ≡ | TO DO ▾ | Unresolved | Feb 3, 2023 | Feb 4, 2023 |
|  | ECSS-34 | Added some more content to the readme |  Unassigned |  Trong Nguyen | = | DONE ✓ | Done | Feb 4, 2023 | Feb 4, 2023 |
|  | ECSS-35 | Implement remaining test cases (scheduler, floor, and elevator) |  Hussein El Mokdad |  Hussein El Mokdad | = | IN PROGRESS ▾ | Unresolved | Feb 4, 2023 | Feb 4, 2023 |
|  | ECSS-36 | Documentation breakdown of the responsibilities of each team member for iteration 1 |  Trong Nguyen |  Trong Nguyen | = | IN PROGRESS ▾ | Unresolved | Feb 4, 2023 | Feb 4, 2023 |