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, SchedulerTest, FloorTest, ElevatorTest

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

Zak: Integration of system and system testing

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	BN Bobby Ngo	BN 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	TN Trong Nguyen	SYSC3303 Project...	=	TO DO ⌄	Unresolved	Jan 18, 2023	Feb 4, 2023
▣	ECSS-5	Elevator class	TN Trong Nguyen	SYSC3303 Project...	=	DONE ⌄	Done	Jan 18, 2023	Feb 2, 2023
▣	ECSS-6	Scheduler Class	BN Bobby Ngo	SYSC3303 Project...	=	DONE ⌄	Done	Jan 18, 2023	Jan 29, 2023
▣	ECSS-7	Floor class	HM Hussein El Mokdad	SYSC3303 Project...	=	DONE ⌄	Done	Jan 18, 2023	Jan 29, 2023
▣	ECSS-8	Complete README.txt	BN Bobby Ngo	SYSC3303 Project...	=	IN REVIEW ⌄	Unresolved	Jan 18, 2023	Feb 3, 2023
▣	ECSS-9	Iteration 1 - Breakdown of Responsibilities	TN Trong Nguyen	SYSC3303 Project...	=	DONE ⌄	Done	Jan 18, 2023	Feb 3, 2023
▣	ECSS-10	Iteration 1 - UML Class Diagram & Sequence Diagrams	TN Trong Nguyen	SYSC3303 Project...	=	DONE ⌄	Done	Jan 18, 2023	Feb 4, 2023
▣	ECSS-11	Verify JavaDoc & Meaningful Comments	TN Trong Nguyen	SYSC3303 Project...	=	DONE ⌄	Done	Jan 18, 2023	Feb 4, 2023
▣	ECSS-12	Verify Unit Testing for all Classes	TN Trong Nguyen	SYSC3303 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	TN 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	TN Trong Nguyen	BN Bobby Ngo	=	IN PROGRESS ⌄	Unresolved	Jan 25, 2023	Feb 3, 2023
☑	ECSS-23	Create DOCs folder and include UML files	HM Hussein El Mokdad	HM 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	TN 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	TN Trong Nguyen	=	DONE ⌄	Done	Feb 4, 2023	Feb 4, 2023
☑	ECSS-35	Implement remaining test cases (scheduler, floor, and elevator)	HM Hussein El Mokdad	HM 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	TN Trong Nguyen	TN Trong Nguyen	=	IN PROGRESS ⌄	Unresolved	Feb 4, 2023	Feb 4, 2023