

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 2.0, 02/22/23

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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.

The general task distributed were the following:

Main code base:

Trong: SchedulerState class, FloorState class, SchedulerStateTest, FloorStateTest class, and javadocs

Bao: FloorState class, README, refactoring, documentation

Hussein: UI improvements, refactoring





































































































Patrick: Update Elevator Location feature, UML and State diagrams

Zak: Proposing ideas, revisions

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

Iteration 1 ends at ECSS-36

APPENDIX A

Type	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created ⁺	Updated
	ECSS-57	Proposal to refactor Elevator state machine implementation	 Unassigned	 Zakaria Ismail		 TO DO	Unresolved	Feb 21, 2023	Feb 21, 2023
	ECSS-56	Move Parser package into Floor package	 Unassigned	 Zakaria Ismail		 TO DO	Unresolved	Feb 20, 2023	Feb 20, 2023
	ECSS-55	Sending Elevator Location back to the Scheduler After Reaching Stop State	 Patrick Liu	 Patrick Liu		 DONE	Done	Feb 20, 2023	Feb 22, 2023
	ECSS-54	Improve Elevator State machine logic	 Bobby Ngo	 Bobby Ngo		 DONE	Done	Feb 20, 2023	Feb 22, 2023
	ECSS-52	Implement SchedulerState enum based on StateMachine diagram	 Trong Nguyen	 Trong Nguyen		 DONE	Done	Feb 18, 2023	Feb 20, 2023
	ECSS-51	Implement ElevatorState enum based on StateMachine diagram	 Trong Nguyen	 Trong Nguyen		 DONE	Done	Feb 18, 2023	Feb 20, 2023
	ECSS-50	SchedulerState - Unit testing state machine implementation	 Trong Nguyen	 Trong Nguyen		 DONE	Done	Feb 8, 2023	Feb 20, 2023
	ECSS-49	ElevatorState - Unit Testing state machine implementation	 Trong Nguyen	 Trong Nguyen		 DONE	Done	Feb 8, 2023	Feb 20, 2023
	ECSS-48	Unit testing - Iteration 2	 Unassigned	 Trong Nguyen		 DONE	Done	Feb 8, 2023	Feb 20, 2023
	ECSS-47	ELEVATOR - State machine diagram	 Trong Nguyen	 Trong Nguyen		 DONE	Done	Feb 8, 2023	Feb 20, 2023
	ECSS-46	SCHEDULER - State machine diagram	 Trong Nguyen	 Trong Nguyen		 DONE	Done	Feb 8, 2023	Feb 20, 2023
	ECSS-45	README - update	 Bobby Ngo	 Trong Nguyen		 IN PROGRESS	Unresolved	Feb 8, 2023	Feb 22, 2023
	ECSS-44	Distribution of Responsibilities	 Bobby Ngo	 Trong Nguyen		 IN PROGRESS	Unresolved	Feb 8, 2023	Feb 22, 2023
	ECSS-43	UML Sequence Diagram - update	 Patrick Liu	 Trong Nguyen		 IN PROGRESS	Unresolved	Feb 8, 2023	Feb 22, 2023
	ECSS-42	UML Class Diagram - update	 Patrick Liu	 Trong Nguyen		 IN PROGRESS	Unresolved	Feb 8, 2023	Feb 22, 2023
	ECSS-41	Documentation - Iteration 2	 Unassigned	 Trong Nguyen		 TO DO	Unresolved	Feb 8, 2023	Feb 8, 2023
	ECSS-40	Update UML Class diagram	 Bobby Ngo	 Bobby Ngo		 DONE	Done	Feb 4, 2023	Feb 4, 2023
	ECSS-39	Improve console logging UI	 Hussein El Mokdad	 Bobby Ngo		 IN REVIEW	Unresolved	Feb 4, 2023	Feb 21, 2023
	ECSS-38	Review the output logging and add improvements to the presentation if possible	 Bobby Ngo	 Zakaria Ismail		 TO DO	Unresolved	Feb 4, 2023	Feb 4, 2023
	ECSS-37	Add sleep timer to allow the user to see the system interactions	 Bobby Ngo	 Zakaria Ismail		 TO DO	Unresolved	Feb 4, 2023	Feb 4, 2023