

SYSC 3303 Group Project

Iteration 1

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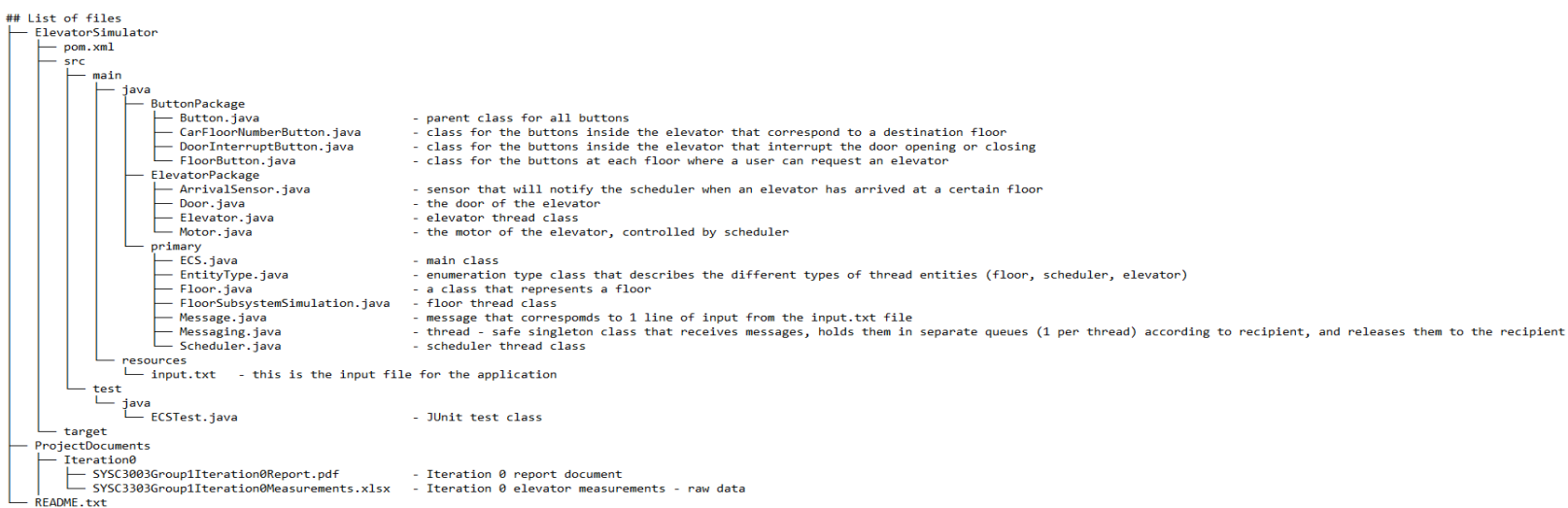
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Irina Ionescu

Group member name	Contribution
Tristan Demers	Contributed to code: implementation of passing the message between threads, unit test
Toman Aleksiev	Helped with initial class structure, ongoing idea contribution to code implementation, put together final Brightspace submission. Created java class to generate input text file for testing.
Kenji Isak Laguan	Designed and implemented initial class structure, project organization, ongoing idea contribution to code implementation, fixed file structure and packaging errors
Steven Johnson	Class diagram and sequence diagram, code review, contributed ideas to code structure
Irina Ionescu	Contributed to code: reading from file, implementation of passing the message between threads, unit test, readme and instructions

Note: Set up instructions and testing instructions are located in the “README.txt” file

1. Files included:



2. Setup instructions -

- Open project in IntelliJ and download any necessary libraries, sdk, etc. when prompted by the IDE
- In IntelliJ, open ElevatorSimulator as a project
- select on the ECS.java file
- Click the green arrow at the top right; this will build and run the project
- Output can be seen in the console

3. Testing instructions - find “README.txt”

Manual testing:

- run application as described in ## Build and run
- the floor subsystem class outputs the messages that were read from the input.txt file
- observe output of the floor subsystem, elevator and scheduler threads as they pass a message back and forth

Run unit test:

- go to /test/ECSTest.java and click on the green arrow at the top right
- test should pass if messages were sent floor -> scheduler, scheduler -> floor, elevator -> scheduler, scheduler -> elevator

4. UML diagram - find “iter1_classDiagram.png” in Diagrams folder

5. Sequence diagram - find “iter1_seqDiagram.png” in Diagrams folder