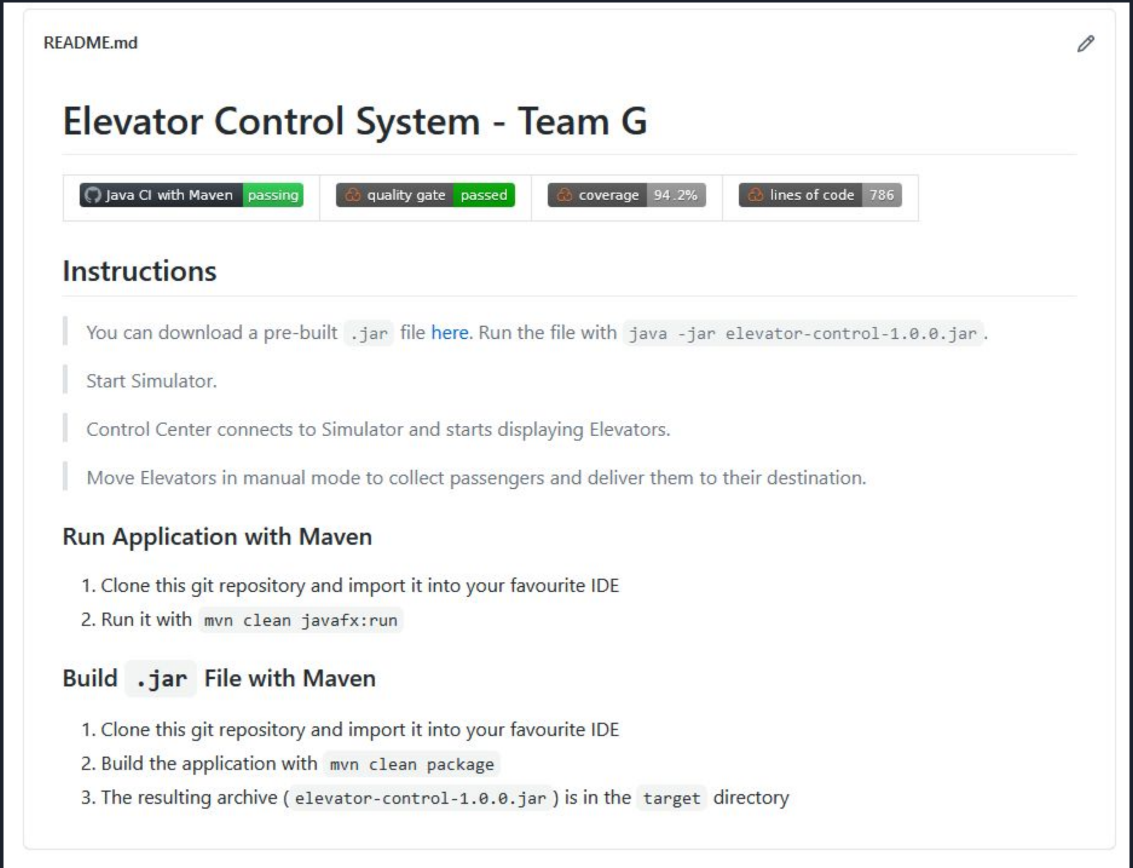
Elevator Control System - Team G

Readme



README.md

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Instructions

> You can download a pre-built `.jar` file here. Run the file with `java -jar elevator-control-1.0.0.jar`.

> Start Simulator.

> Control Center connects to Simulator and starts displaying Elevators.

> Move Elevators in manual mode to collect passengers and deliver them to their destination.

Run Application with Maven

1. Clone this git repository and import it into your favourite IDE
2. Run it with `mvn clean javafx:run`

Build `.jar` File with Maven

1. Clone this git repository and import it into your favourite IDE
2. Build the application with `mvn clean package`
3. The resulting archive (`elevator-control-1.0.0.jar`) is in the `target` directory

Demonstration with Simulator

Ensuring Project and Product Quality

- Github
- Sonarcloud + Quality gate
  - 94% Code Coverage
- 28 Unit Tests with Maven
  - automatically executed on Pull Request or Commit to Master
- IElevator Mock manually written

Ensuring Project and Product Quality

- Pair Programming
  - No Explicit Code Reviews -> everyone watching anyway
- Issue Management:
  - Fix it right away
  - or write it down and fix it during next Session

Tricky Problem we did not manage to solve

- Test for reconnect to Mock causes other tests to fail
  - Caused by JUnit not completely shutting the App down in between tests

Other Remarks

- Sonarcloud Quality Gate
  - “your commit added 3 lines at 0% new code coverage” FAIL
  - No way to say “code coverage gate only on commits > 10 lines”

Thank you for your attention