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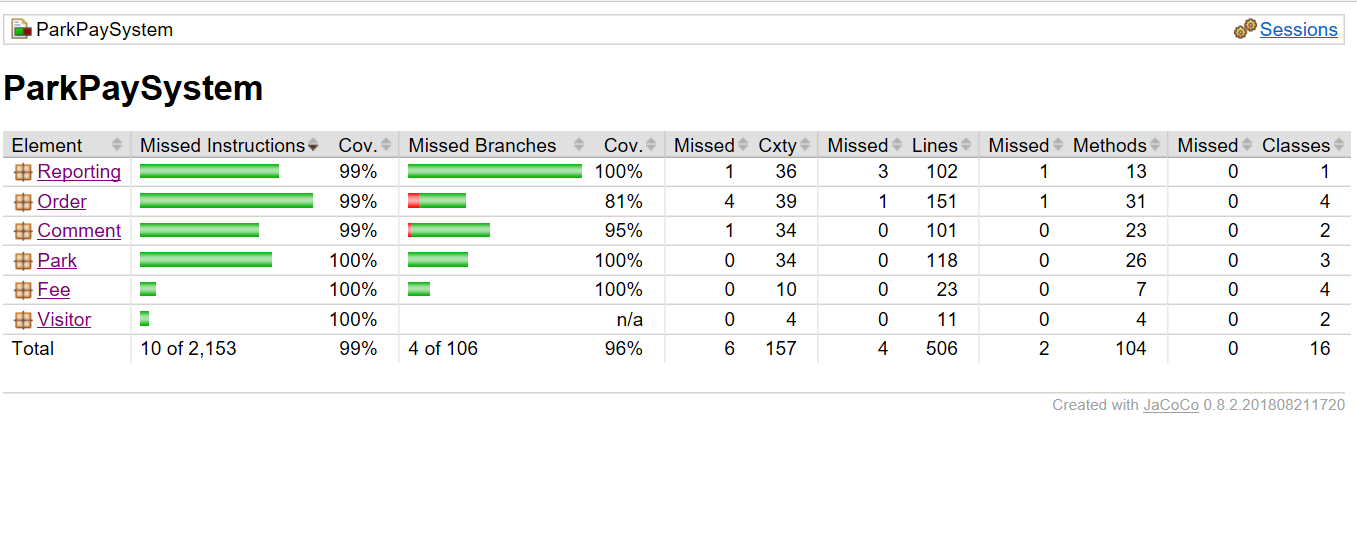
11/13/2018

Memo

The project status is almost done, I still have to optimize the code in the sense of cleaning it up more, extracting some classes, decoupling certain classes from others, and refactoring my test suite. Other then that the project meets all the requirements specified in the project description, API specification, and test script. One big component that is missing is making the application thread safe. This is important for this application because many people will be accessing at the same time this is something that I would implement in the future.

Statistics about the project

* https://github.com/Makk-Attack/CS445/tree/master/ParkPaySystem
* Lines of code: 916 source lines of code + 690 API lines of code
* Lines of code in unit tests: 976 lines of code
* Unit test coverage: 99% instructions, 96% branches.



* Cyclomatic complexity is 2.48
* I spent at least 78 hours working on the project
* I spent 3 hours preparing to present the project.

I faced many challenges through out this project. One of the biggest challenges was to get a high enough unit test coverage. I initially started off using TTD but as I continued in the project I had some struggle keeping my test coverage high. I had to go back and write the unit tests to increase coverage. Another challenge for me was configuring the API. This was my first time building an API and it took me a long time to get comfortable with the concept. Overall this project was very insightful and I learned a lot about programming through it.

The instructions to build and deploy the project are located in the readme attached in this repository/directory.