Explanation missing code in coverage report:

You see bars that are fully red and bars that have a percentage of green. This percentage means that there are unit tests missing for that part of the code and the methods. The outputs are not fully tested or are harder to test them fully. To improve the coverage report we need to write more unit tests for the classes and methods that are missing. We should also try to test as many scenarios. We should also use mocking frameworks to simulate external dependencies that way we can test the methods easier. Another thing we could do is to simplify some methods to make it easier to test them. In conclusion we still have some work to do to improve our project code.