

TEST CASES ASSIGNMENT #1

Exercise 1 (White-box techniques)

1. Rewrite Peter Sestoft' code example 2.1 so it can be tested automatically with xUnit framework. You can find the example in his article on Systematic software testing:
<https://www.itu.dk/~sestoft/papers/softwaretesting.pdf>
2. Write automated unit tests
3. Generate a code coverage report (e.g. using JaCoCo)

Exercise 2 (Black-box techniques)

1. Derive test cases for the train scenario described below based on equivalence partitioning and boundary value analysis. Remember both valid and invalid test cases.
2. Does test case design help identify any weaknesses in the scenario description? Comment on that.

Train Scenario

Pricing must be identified based on this scenario:

If you take your train before 9.30 am or in the afternoon after 4.00 pm until 7.30 pm ('the rush hour') you must pay full fare. A saver ticket is available for trains between 9.30 am and 4.00 pm, and after 7.30 pm.