

SWEN90006: Assignment 1

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1 Task 1

1.1 Test template trees

Figure 1 - 4 shows the test template trees for the API addUser, loginUser, updateDetails, and retrieveDetails respectively.

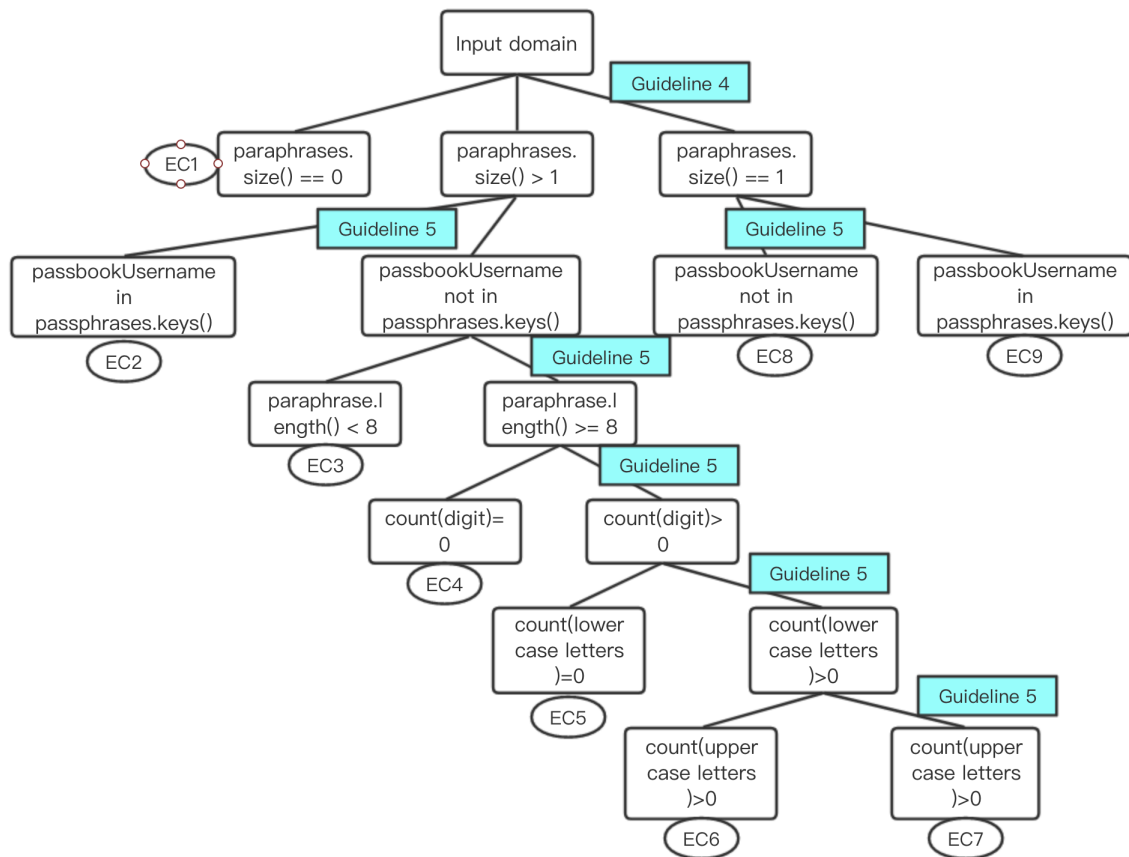
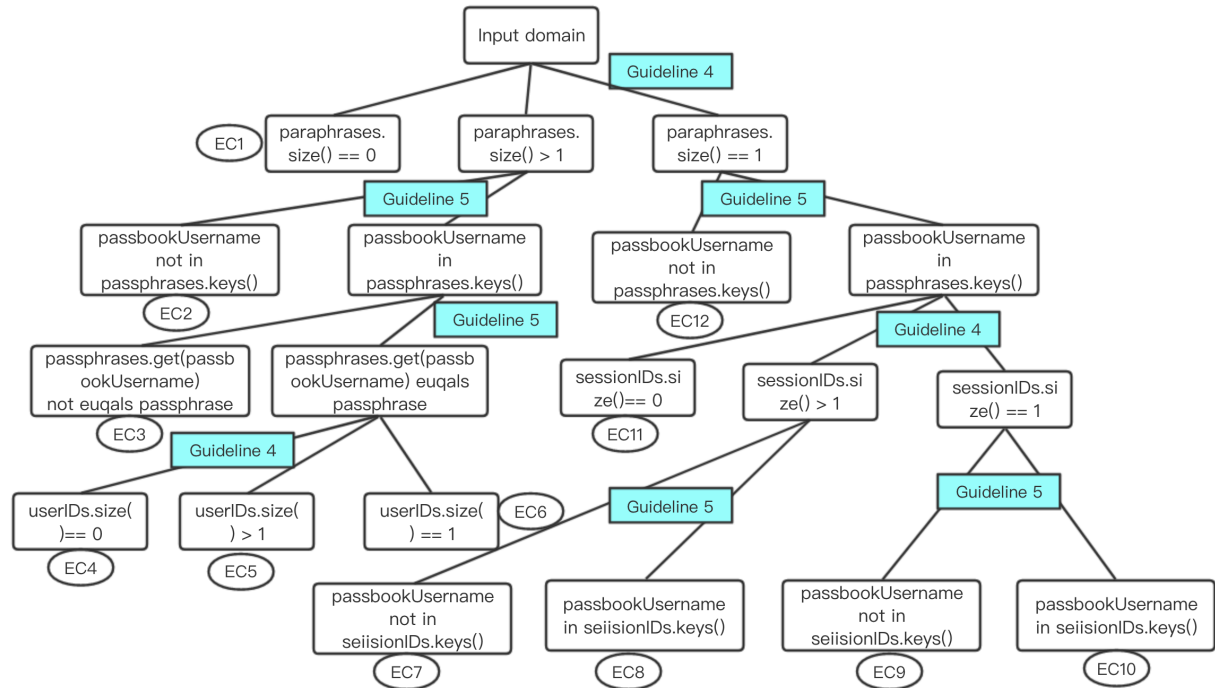
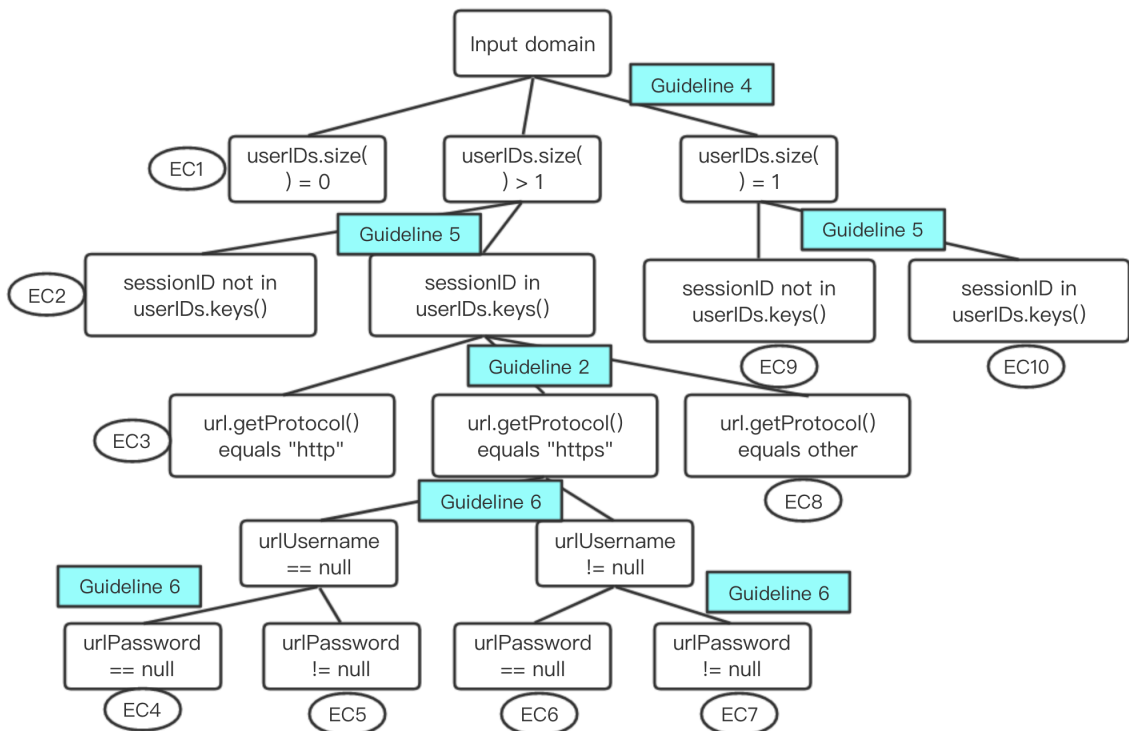


Figure 1: Test template tree for `addUser()`

Figure 2: Test template tree for `loginUser()`Figure 3: Test template tree for `updateDetails()`

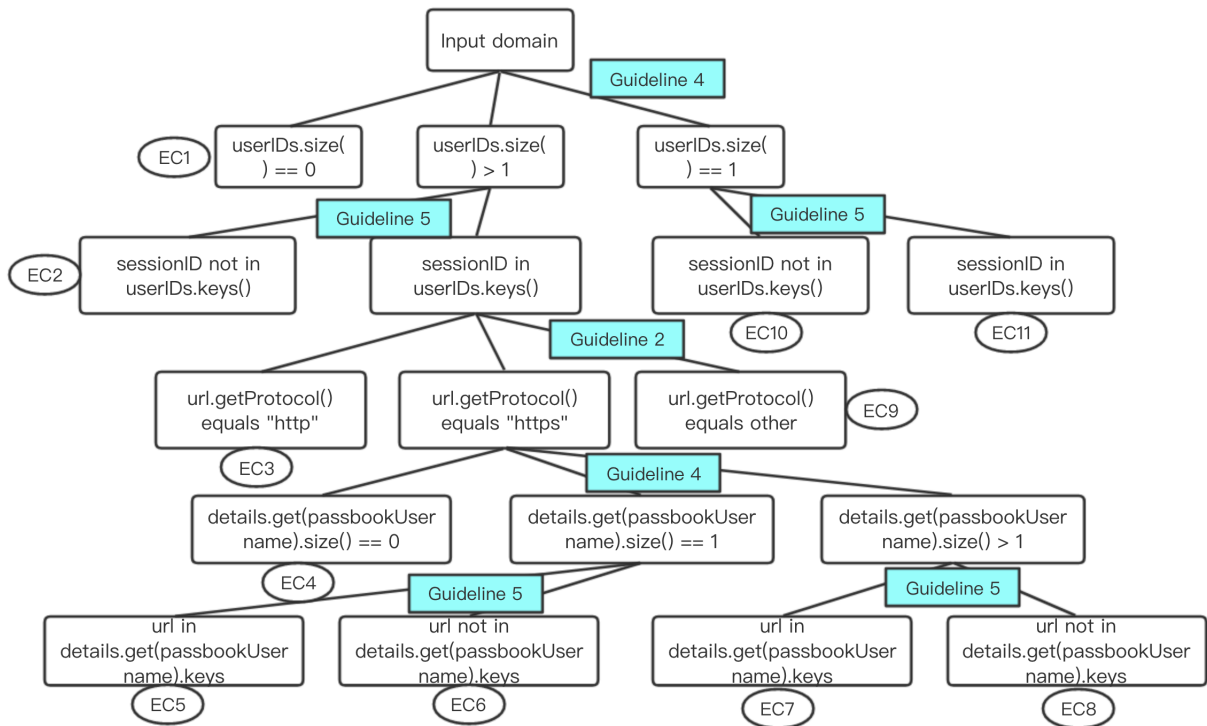


Figure 4: Test template tree for retrieveDetails()

1.2 Do your set of equivalence classes cover the input space?

My set of equivalence classes cover the input space. The reasons are as follows:

- 1) All leaf nodes are divided strictly and carefully, so that they do not overlap with other leaf.
- 2) The collection of the set of each leaf node covers all the cases after the division of the parent node.
- 3) If two variables are independent of each other, then the subtree of one variable can be added to a leaf node of the other variable. In this case, all the nodes add up to cover all situations.