**Task 1 Broken web application button**

1. We need to perfom the same action with API to check the back-end. If “button click functionality” does not work it is a front-end issue and it needs to be fixed.

2. If Functionality does not work even with API this means it is an issue with web-services.

3. When you click on button you can see transaction reflection in DB, but at the same time text is not generated in related table.

**Task 2 Ways to assess test coverage**

1. *Prepare a good test plan and set a goal*

In order to improve our test coverage we should have a good test plan. We should define various aspects (devices, operating systems and OS versions on which we want to run our tests) of our testing strategy.

1. *Enhance test automation*

We should try to automate a good portion of our tests. So, we can use time gained to increase our code coverage.

1. *Enhance code coverage*

Code coverage is determined by how many lines of code get executed in test cases. But we should not rely on code coverage alone to ensure the release of high-quality apps.

**Task 3 Word Processor Table Control Testing**

1. Insert a column
   1. Column has been inserted
   2. When inserting one column two or more are inserted
2. Insert a row
   1. A column has been inserted
   2. Inserted rows have different size
3. Resize table
   1. Resize does work when you drag it from corner
   2. When dragged from corner sizes of the colums and the rows do not change in a correct order

**Task 12 Coding**

**public** **static** Integer countNonUnique(List<Integer> numbers) {

**int** count = 0;

Set<Integer> set = **new** HashSet<Integer>(numbers);

**for** (Integer num : set) {

**if** (Collections.*frequency*(numbers, num) > 1)

count++;

}

**return** count;

}