Test Evaluation Summary for the Computer Database CRUD tests

1. **Test Cases Coverage**

The test cases defined in the Test Plan document (MA TC - QA ZADATAK - GECKO SOLUTIONS.xlsx) cover the most important CRUD actions that could be performed in the computer database application (https://computer-database.gatling.io/). The test coverage results are as follows:

> **Test Cases Performed = 24/25 = 96%**
>
> **Test Cases Successful = 14/24 = 58%**

The area of tests with the **highest failure rate** was:

- Functionality tests involving creation of a new Computer Entry

2. **Automation Tests Coverage**

Approximately, 15% of the test cases were executed using automation tools (Java + Selenium). The tests performed cover the most common use of the application options. All of the run scenarios were successful.

> **Automated Test Cases performed 4/4 = 100%**
>
> **Automated Test Cases Successful 4/4 = 100%**
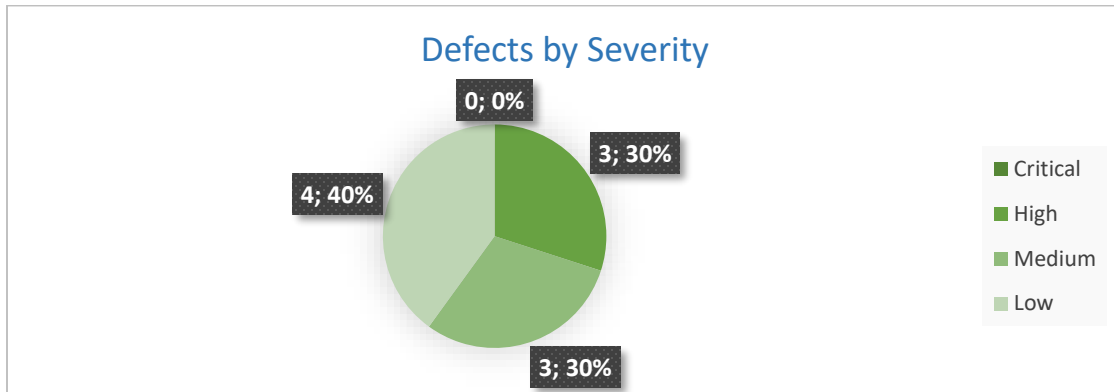
3. **Defect Analysis**

Out of 10 total defects encountered, 7 issues are linked to the Create option due to the missing input restrictions which allows the user to enter any set of characters.

When a blank computer name (created using only a space character) is added in the database it cannot be manipulated (selected or deleted). There are issues with UI as the delete option misses a confirmation window and it is not undoable.
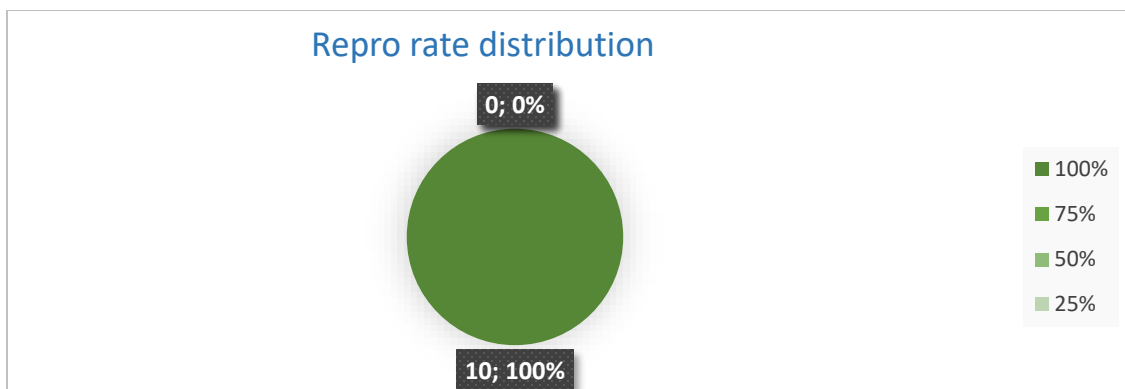
Defects by Severity:

There were no critical issues encountered during the performed tests. Total encountered issues by severity is as follows:

Critical – 0; High - 3; Medium - 3 and Low - 4;

All of the encountered issues had Repro rate of 100% (10/10)

Most of the issues are connected to the Create functionality testing. Total distribution of the Defects per affected Area is as follows:

Create – 7; Read – 1; Update – 0 and Delete – 2: