**TEST RESULTS**

**AND EVALUATION**

**REPORT**

*Todo App*

**Revision Sheet**

| **Release No.** | **Date** | **Revision Description** |
| --- | --- | --- |
| 1 | 31/10/2021 | Initial release |
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**TEST RESULTS AND EVALUATION REPORT**

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**1.0 GENERAL INFORMATION**

1. **GENERAL INFORMATION**

* 1. **1.1 Purpose**

This Test Results and Evaluation Report aims to achieve and maintain minimum required standards for testing a user-friendly Todo App.

* 1. **1.2 Scope**

The Todo App aims to store a record of Todos and present it to the user. The user should also be able to edit/delete/complete the todos. The Test Result and Evaluations Reports should ensure these functionalities are fulfilled.

* 1. **1.3 System Overview**

The project is a Spring Boot Application. The source code for the project is hosted on GitHub and it has a Continuous Integration Testing setup. Any code that is updated in the repository is required to pass all tests and a Test Results and Evaluation Report is to be submitted at each release.

* 1. **1.4 Project References**
* <https://spring.io/>
* <https://testng.org/doc/index.html>
* <https://www.selenium.dev/>
* <https://github.com/>
  1. **1.5 Acronyms and Abbreviations**

None.

* 1. **1.6 Points of Contact**

* + 1. **1.6.1 Information**

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* + 1. **1.6.2 Coordination**

There are three teams that work in coordination for this project. The development team handles the source code and modifies it according to the specifications. The testing team then verifies that all the requirements are met. The devops team will then deploy the application under a production URL.

**2.0 TEST ANALYSIS**

1. **TEST ANALYSIS**

* 1. **2.1 Security Considerations**

Provide a detailed description of the security requirements that have been built into the system and verified during system acceptance testing. Identify and describe security issues or weaknesses that were discovered as a result of testing.

* 1. **2.2 hasTitle**
     1. **2.2.1 Expected Outcome**

The title of the application is equal to “Todo App”.

* + 1. **2.2.2 Functional Capability**

This test is primarily used to confirm the application starts up properly and displays a webpage on the given port.

* + 1. **2.2.3 Deviations from Test Plan**

There were no deviations from the test plan.

* 1. **2.3 addTodo**
     1. **2.3.1 Expected Outcome**

The application adds a Todo when the user submits it through the ‘addTodo’ form.

* + 1. **2.3.2 Functional Capability**

This test checks whether the application can receive user input and add Todos when the user submits a addTodo form.

* + 1. **2.3.3 Deviations from Test Plan**

There were no deviations from the test plan.

* 1. **2.4 toggleTodo**
     1. **2.4.1 Expected Outcome**

The application toggles a Todo’s completed state when the user clicks on the todo title.

* + 1. **2.4.2 Functional Capability**

This test checks whether the application can toggle a Todo’s completed state when the user clicks on the todo title.

* + 1. **2.4.3 Deviations from Test Plan**

There were no deviations from the test plan.

* 1. **2.5 editTodo**
     1. **2.5.1 Expected Outcome**

The application can change a Todo’s title when the user navigates to the edit todo page and submits the editTodo form.

* + 1. **2.5.2 Functional Capability**

This test checks whether the application can update a Todo’s title when the user tries to update it.

* + 1. **2.5.3 Deviations from Test Plan**

There were no deviations from the test plan.

* 1. **2.6 deleteTodo**
     1. **2.6.1 Expected Outcome**

The application can delete a Todo when the user clicks on the deleteTodo button.

* + 1. **2.6.2 Functional Capability**

This test checks whether the application can delete a Todo when the user tries to delete it.

* + 1. **2.6.3 Deviations from Test Plan**

There were no deviations from the test plan.

**3.0 SUMMARY AND CONCLUSIONS**

1. **SUMMARY AND CONCLUSIONS**

* 1. **3.1 Demonstrated Capability**

The system has achieved the desired functionality as demonstrated by the tests and conforms to all required security standards.

**3.2 System Deficiencies**

None.

* 1. **3.3 Recommended Improvements**

A user authentication system can be added for personalizing the todos for the logged in user.

* 1. **3.4 System Acceptance**

The system has been tested thoroughly and is completely ready to be released.