

## Automated Test Cases

All these test cases have been written based on Acceptance Criteria of User's stories.

### **Technologies:**

I used Java programming language with Eclipse IDE. Moreover, to start off I created a Maven project in which is used to build projects, so through pom.xml file I got all jar files regarding Cucumber framework and Junit to work on my project.

### **Project Structure (JAVA):**

- Packages → Page Objects / Runner (Run Cucumber by Junit) / Steps Definition
- Folders → feature files / Reports / Drivers (used to launch browsers)
- Properties file to set up the browser's name
- POM.xml → Define all dependencies and build the project

### **Testing Process:**

- Read carefully the User's stories and Acceptance Criteria to understand the scope of the system.
- Explore the system as an average User to get familiarized with it – It is an essential phase to ask questions to clarify all doubts about business rules mainly.
- Write all test cases covering all functionalities.
- Perform manual tests as a QA.
- Report all found bugs to developers.
- Generate bug status report.
- Write scripts regarding automation.
- Generate automation report.

## **US#1 - Create Task**

**Test Case 01** - Validation of user message

**Expected Result:** Should show the message "Hey NAME, this is your todo list for today:"

**Result:** Failed

**Test Case 02** - Validate Task Name with less than 3 characters using mouse-click

**Expected Result:** Should not allow to enter less than 3 characters

**Result:** Failed

**Test Case 03** - Validate Task Name with less 3 characters using ENTER key

**Expected Result:** Should not allow to enter less than 3 characters

**Result:** Failed

**Test Case 04** - Validate Task Name with 3 characters using mouse-click

**Result:** Passed

**Test Case 05** - Validate Task Name with 3 characters using ENTER key

**Result:** Passed

**Test Case 06** - Validate Task Name with 250 characters using mouse-click

**Result: Passed**

**Test Case 07** - Validate Task Name with more than 250 characters using ENTER key

**Expected Result: Should not allow to enter more than 250 characters**

**Result: Failed**

**Test Case 08** - Validate Task Name containing between 3 and 250 characters using ENTER key

**Result: Passed**

**Test Case 09** - Validate Task Name containing between 3 and 250 characters using mouse-click

**Result: Passed**

## **US#2 - Create SubTask**

**Test Case 01** - Validate the button labeled as (Manage Subtasks)

**Result: Passed**

**Test Case 02** - Enter a new subtask with less than 250 characters

**Result: Passed**

**Test Case 03** - Enter a new subtask with an empty SubTask description

**Expected Result: Should not allow to enter an empty value in SubTask Description field**

**Result: Failed**

**Test Case 04** - Enter a new subtask with 250 characters

**Result: Passed**

**Test Case 05** - Enter a new subtask with more than 250 characters

**Expected Result: Should not allow to enter more than 250 characters**

**Result: Failed**

**Test Case 06** - Enter a new subtask with an invalid Due Date format

**Expected Result: Should not allow to enter an invalid date in MM/DD/YYYY format. Due date is not being validated**

**Result: Failed**

**Test Case 07** - Enter a new subtask with an invalid month

**Expected Result: Should not allow to enter an invalid date with an invalid month. Due date is not being validated**

**Result: Failed**

**Test Case 08** - Enter a new subtask with an invalid day

**Expected Result: Should not allow to enter an invalid date with an invalid day. Due date is not being validated**

**Result: Failed**

**Test Case 09** - Enter a new subtask with an invalid value in Due Date

**Expected Result:** Should not allow to enter an invalid date

**Result:** Failed

**Test Case 10** - Validate the number of subtasks created in the button **[(n) Manage Subtasks]**

**Result:** Passed

**Test Case 11** - Check whether Task ID is displayed

**Result:** Passed

**Test Case 12** - Check whether all subtasks were appended on the bottom

**Result:** Passed

## **Additional**

For this project was only tested and automated the tasks regarding the given stories. However, the system has more functionalities which can be automatized such as:

- **Register Page** – Automate all functionalities.
- **Task Page** has more functionalities such as: Checkboxes **Done** and **Public**, Remove button.
- **SubTask Page** has addition functionalities such as: Remove button and checkboxes **Done**.

All these above functions have NOT been described in the Acceptance Criteria therefore they have not been automatized, so it is out of the scope.