

4Beats Limited.

SQA Intern Assignment (October 2022)

Submitted By

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Submission Date: 22 October 2022

Alhamdulillah, I have solved the assignment by using Selenium with Java.

To solve this assignment, the steps I have followed are given below.

1. Project Setup: At First, I have created a project named "en" by using the Build Management tool maven. Then I have added Apache POI, POI ooxml dependencies in the poi.xml file.
2. Test Data : Excel.xlsx given by the organization.
3. Framework: Datadriven Framework using excel.
4. Solving Technique: First, I have created a class named dataDriven in "en/src/main/java" folder. Then, created a function which returns the Longest or Shortest Option. This function was designed in a way so that it can read the "Excel.xlsx" file. To, find the exact day, I have used for loop over the number of sheets that the file has. To, provide a specific day we, need to provide the day e.g if it is 'Sunday' then put it on the line no 46 of the dataDriven class. When it returns the Day, then I have scanned all the rows and cells of the specific sheets to provide the Longest or Shortest Option on the line no 55 of the dataDriven class. When it finds the location then I just traverse one row down to get the data. Then it is stored in a String array list. After getting the data, I have opened the browser setup to navigate to the ("<https://google.com>") url by using selenium WebDriver command. Then, I have inspected the search box element by 'driver.findElement(By.name("q")).sendKeys(valueString)' and put the values into it and use '(sendKeys.(Keys.ENTER))' to get the search result.

Regards,

Md. Hasnat Hasib