

Software Testing Assignment #1


Mini-project

Total grades: 15


Delivery date: 10 June, 2023 

Team/Individual: Maximum 3 students

Pre-requisite

1. Before running your test cases, make sure they run in the testing environment. Choosing the environment shall be done at runtime. 

Development tasks

1. Run the testing based on reading the data from in-memory database. 
2. Run the testing based on reading the data from an external API. Use the following API to get the data
<https://www.exchangerate-api.com/docs/pair-conversion-requests>
 - 2.1 read the documentation before you proceed
 - 2.2 write down all necessary information that can help you in writing your code and test cases
3. Build a small GUI for the project

Use the following GUI

 Currency Converter

Amount

From

▼

To

▼

Convert


Result

Rate used




Testing Tasks


Task#1

1. Use Junit framework to write your test cases
2. Use `maven-surefire-report-plugin` to generate JUnit HTML Report 

Task#2:

1. Use Junit and Mockito frameworks to write your testing 
2. Test the API using postman
3. Use postman to generate your report

Task#3

1. Use Selenium WebDriver and selenium IDE
2. Use <https://www.extentreports.com/community/> to generate your report 

Submission

1. Submit your code and testing report on Ritaj

2. Each team member will be asked to show/modify the code submitted