**Software Tester Track: Final Project**

* 1. **Objective**

**Automated Testing Framework for a Web Application**

* Objective: Establish an automated end-to-end testing framework for a web application.
* Description:
* Develop a comprehensive automated testing suite utilizing Selenium WebDriver (or an alternative framework) written in Java. This suite should cover user interface (UI), functional, and performance testing aspects.
* Implement test cases for various functionalities, UI elements, and performance metrics.
* Generate detailed test reports and conduct thorough analysis of test results to identify and address any defects.
* Technologies:
* **Testing Methodology:** ISTQB® Certified Tester Foundation Level (CTFL) 4.0 principles will guide the overall testing approach.
* **Test Management:** Jira will be utilized for issue tracking and managing test case execution.
* **API Testing:** Postman will facilitate API interaction and testing.
* **Automated Web UI Testing:** Selenium WebDriver, driven by Java code, will automate interaction with the web application's UI.
* **Test Case Design:** Rigorous test case development processes will be employed.
* **Performance Testing:** Strategies for evaluating the web application's performance under load will be implemented.
  1. **Team Members:**
* Omar Sayed Mohamed
* Ahmed Mohamed Ibrahim
* Mario Samy Sabry
  1. **Project Links:**

1. **Code:https://drive.google.com/drive/u/1/folders/1n\_WMXNk075143O1c7ZV8w25ieaXIbOzL**
2. **Jira:**[**https://omarmirosayed1727781549418.atlassian.net/jira/software/projects/CRM/boards/1**](https://omarmirosayed1727781549418.atlassian.net/jira/software/projects/CRM/boards/1)
3. **Trello:** [**https://trello.com/b/YtO1CYh0/final-project**](https://trello.com/b/YtO1CYh0/final-project)
4. **The code also will be included as ZIP file with the same name as this word file**