MERCURY TOURS DEMO

Program based experience learning program

SRI VENKATESWARA COLLEGE OF ENGINEERING

Project submitted by: -

TEAM LEADER: GUMMANA VARALAKSHMI

TEAM MEMBERS:

DANDU VARSHA REDDY
DHANDU ASHOK KUMAR
CHINTHAKUNTA NAGUR BASHA
GAJJALA SUBBAREDDY

Mercury Tours Demo Automation Testing Project

About Mercury Tours Demo:

• Mercury Tours is a fictional website often used as a sample application for testing and demonstration purposes in the field of software testing and test automation. It's not a real website for booking travel or tours but rather a practice platform.

• The Mercury Tours website typically features various functionalities and pages you might find on a real travel booking website, such as user registration, flight booking, hotel reservation, and more. It's commonly used by software testers and automation engineers to practice and demonstrate their skills in areas like automated testing, performance testing, and security testing.

Table of Contents:

Introduction:

Mercury Tours is a sample web application designed for testing and educational purposes. It's used to practice and demonstrate various aspects of software testing, including functional testing, automation testing, performance testing, and security testing. Here's an overview of Mercury Tours:

Project Overview:

1. *Purpose*: Mercury Tours serves as a simulated online travel booking platform. It mimics the functionality of a real travel website, allowing users to explore and book flights, hotels, car rentals, and more.

2. *Features*: The application includes several typical features you'd find on a travel booking website, such as user registration, flight search, flight booking, hotel search, hotel booking, car rental, and viewing travel itineraries.

3. *Sample Data*: Mercury Tours usually comes with sample data, including user accounts, flights, hotels, and booking information. This data is used for testing and demonstration purposes.

4. *Practice Environment*: Software testers and automation engineers often use Mercury Tours to practice their testing skills. It provides a safe and controlled environment for learning and honing testing techniques.

5. *Automation Testing*: Many testers use Mercury Tours for automated testing, creating test scripts to validate the functionality of the website automatically. Tools like Selenium WebDriver are commonly used for this purpose.

Overall, Mercury Tours serves as a valuable resource for individuals looking to gain practical experience in software testing and related fields. It allows testers to explore different testing scenarios in a controlled environment without affecting real-world applications or data.

Milestone 1:

Getting Started

Explain the prerequisites and setup required to run the project.

Activity 1: -

Prerequisites

Before getting started with the Mercury Tours Demo project, ensure you have the following prerequisites:List the software and tools that need to be installed before running the project, such as:

- Katalon Studio (Latest Version)
- Any other dependencies

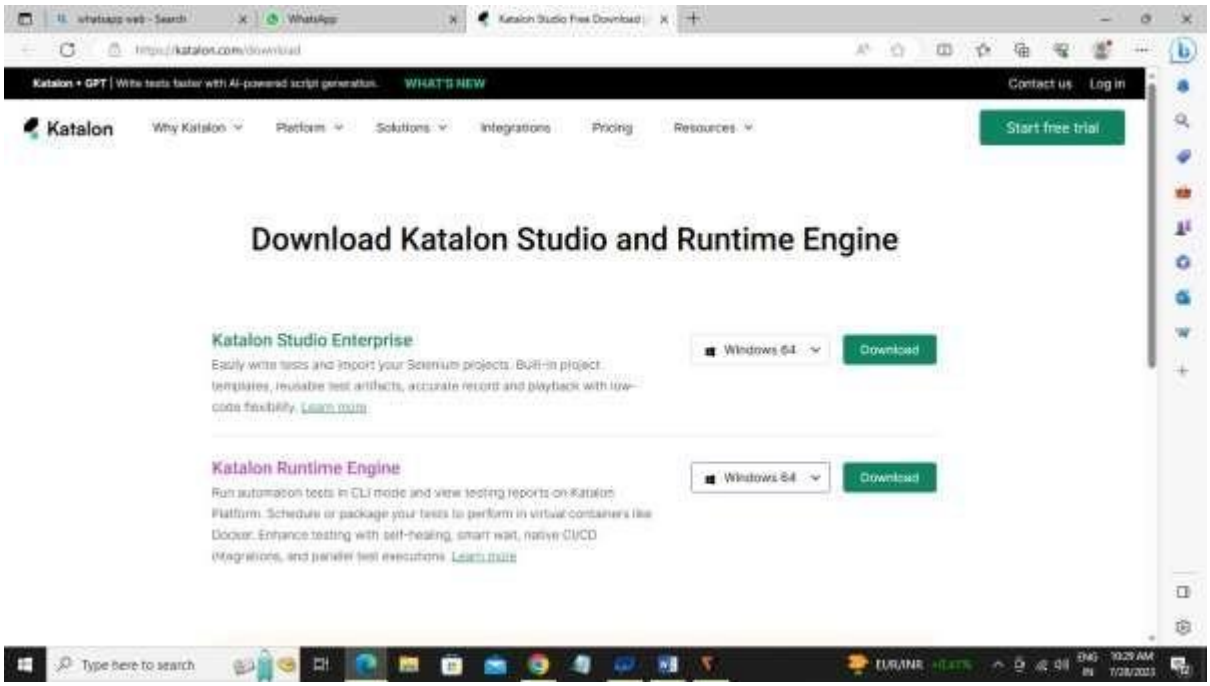
Activity 2: -

Installation

To install the necessary dependencies for the Mercury Tours Demo automation project, follow these steps:

Activity 2.1:- Install Katalon Studio: Visit the Katalon Studio website (https://katalon.com/download) and download the latest version of Katalon Studio.

Follow the installation instructions for your operating system.

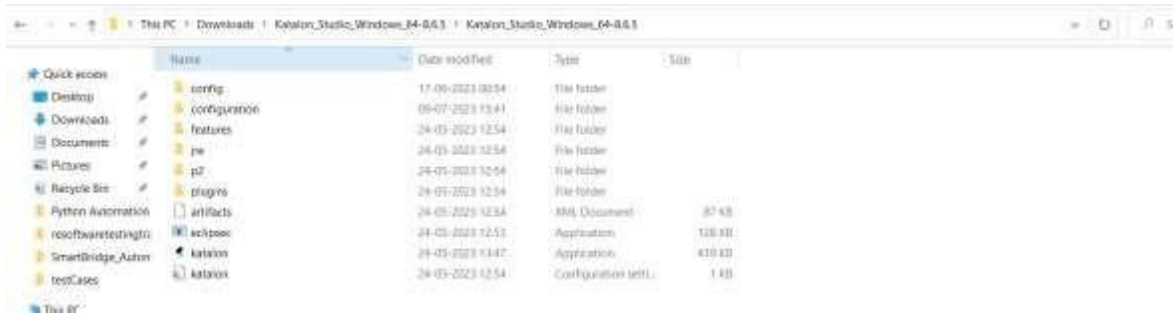


After downloading Katalon Studio and extracting the contents from the zip file, locate the folder where you extracted it.

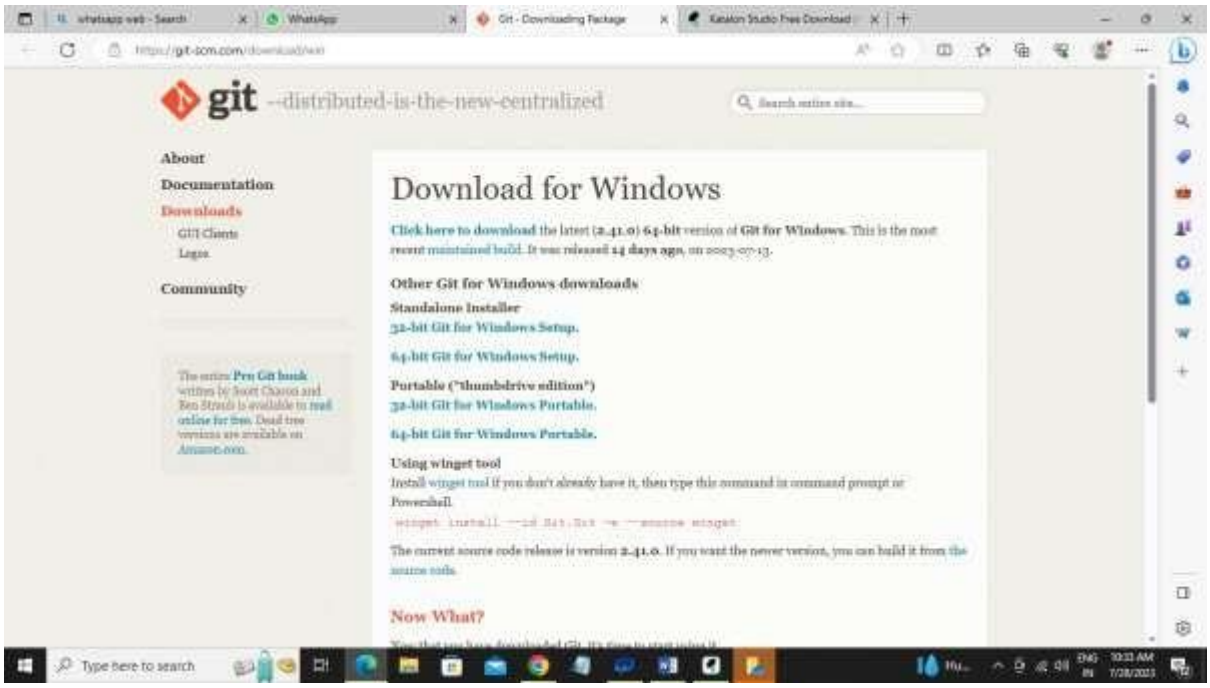
In that folder, look for the "**katalon.exe**" file. This file is the executable for Katalon Studio.

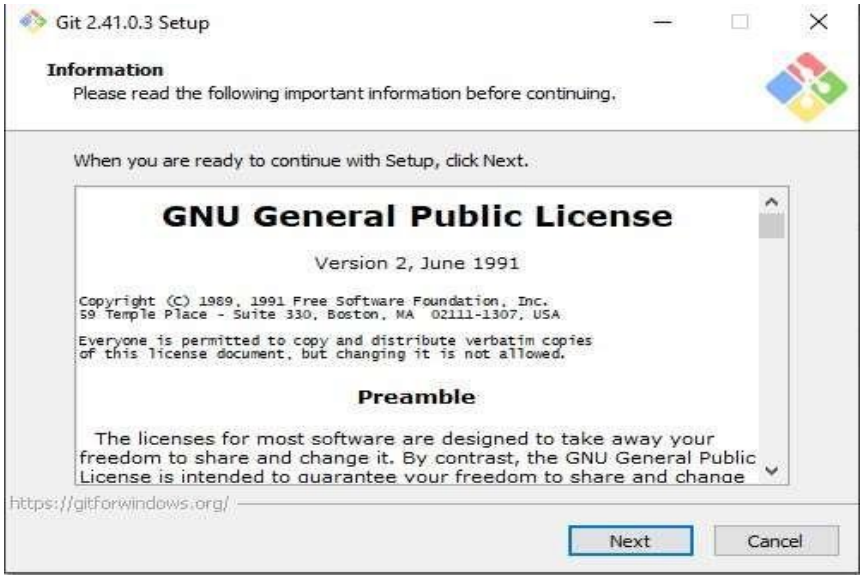
Double-click on the "**katalon.exe**" file to launch Katalon Studio. It may take a few moments to start up.

Once **Katalon Studio** is launched, you can start creating or opening your project by selecting "File" from the menu bar and choosing either "**New Project**" or "Open Project" based on your requirements.



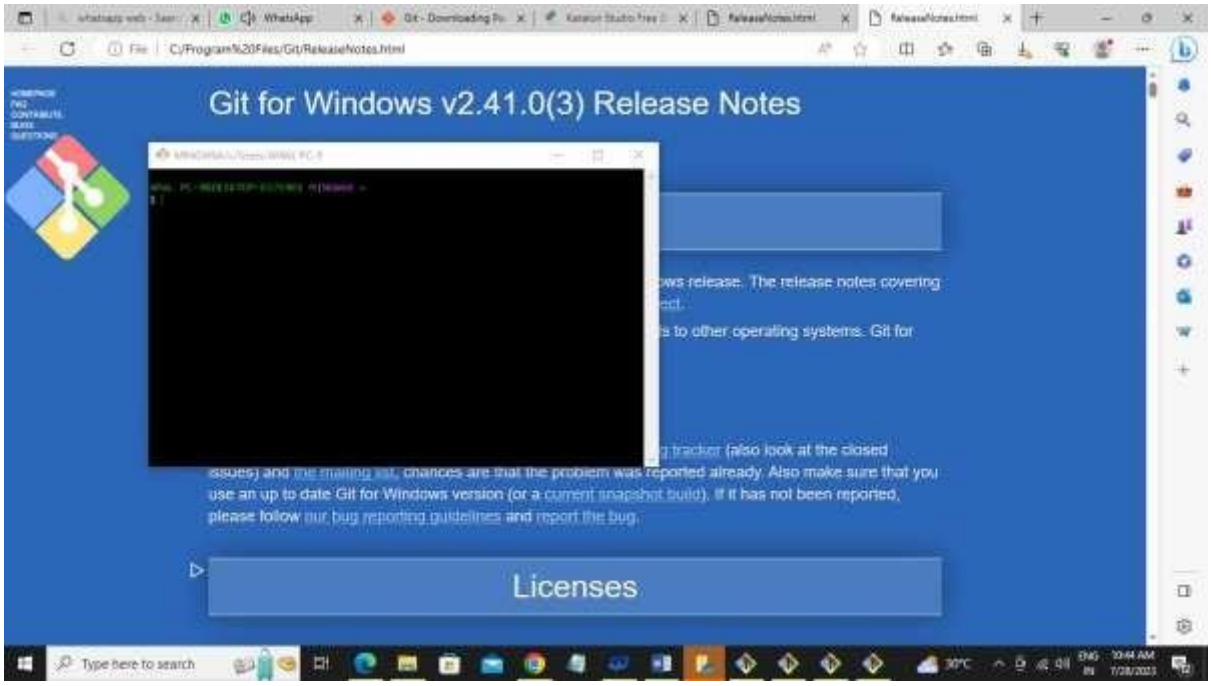
Activity 2.2:- Download and install **gitbash** from https://git-scm.com/download/win





Activity 2.3: - Go to the desired location where you want to create the folder, such as Desktop. Folder name like e. g. (Automation_Testing_Project)

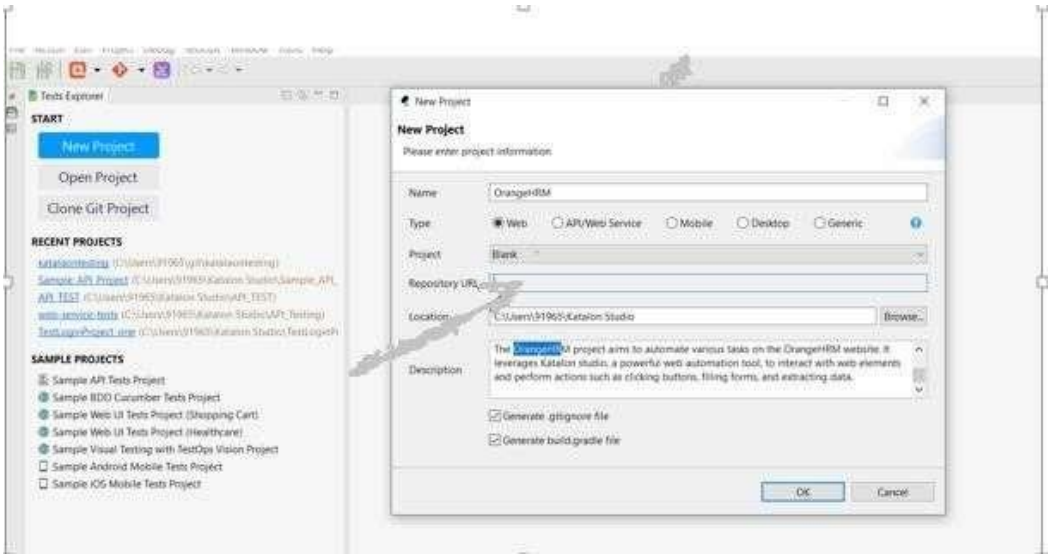
Open the folder-❼ Right click with in the folder and select open gitbash here, you will get pop up like below and clone the repository based on the next steps provided below.



Activity 3: - Project Setup

Explained how to set up the project locally, including steps like:

Before cloning the project create project like below in Katalon Studio.



Activity 3. 1: - Clone the repository from GitHub.

Activity 3. 2: - Enter the repository URL and click ok. Repo URL provided below.

Activity 3. 3: - Clone the Mercury Tours Demo project repository from [repository URL].
https://github.com/venkatsaitesting123/SmartBridge_Automation_Projects.git

Activity 3. 4: - Configuration settings (if any)

Milestone 2:

Project Structure

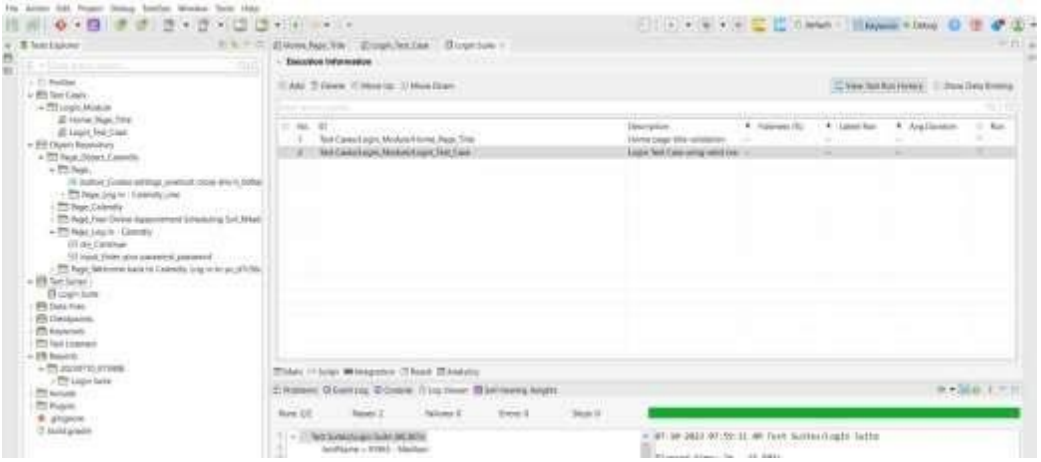
Activity 1: -Explained the structure of the project, including directories and files, and their purposes. For example:

- **tests cases/**: Directory containing test scripts
- **Object Repository/**: Directory containing page object models
- **test Suites/**: Directory containing run multiple test cases
- **reports/**: Directory containing test reports
- **datafiles/**: Directory containing test data (**ex: excel, csv, text, Json files**) related to project
- **Run: - Option to run all the testcases from the top quick access tool bar.**

Activity 2: -Writing Test Cases

Explained how to write test cases using Katalon Studio (it uses internally java, groovy script). Provide examples of different types of test cases, such as:

- Test case 1: Home Page functionality Screenshot of the code:



- Test case 2: Register new user functionality
- **Add new testcases as per Manual testcases prepared.**

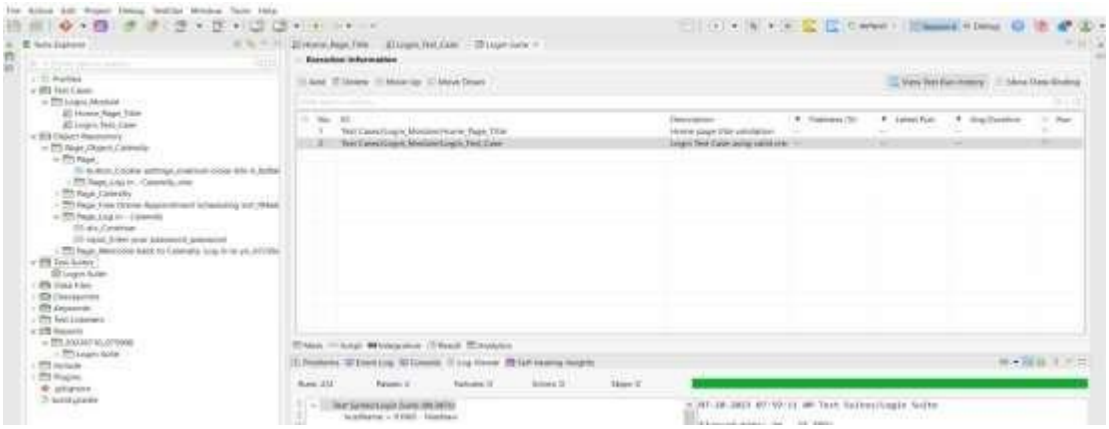
  Include best practices for writing maintainable and readable test cases.

Milestone 3:

Running Tests

Explained how to run the test cases using Katalon studio. Include information about command-line options and flags that can be used to customize test execution.

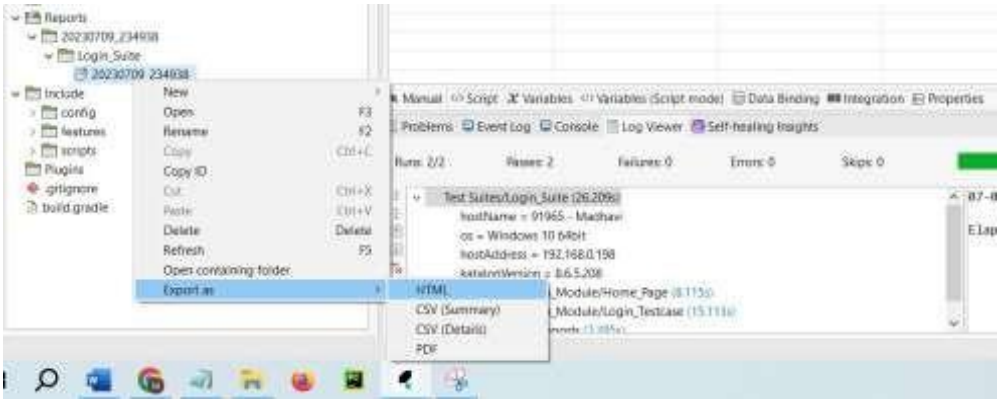
Activity 1: - Option to run all the testcases from the top quick access tool bar.



Milestone 4: Test Reporting

Explained how test reports are generated and where they are stored. Include information about any tools or libraries used for reporting, such as katalon reporting.

Activity 1: - reports/: Directory containing test reports



Troubleshooting

List common issues that may occur during project setup or test execution and provide possible solutions.

Conclusion

In summary, the Mercury Tours project plays a crucial role in the software testing community by offering a practical and versatile platform for testing, learning, and skill development. Whether you're a software tester looking to improve your testing capabilities or an educator seeking a reliable tool for teaching testing concepts, Mercury Tours provides a valuable resource for advancing your knowledge and expertise in the field of software testing.