Automation Testing BLUESTONE

Project based experience learning program

BLUESTONE   Automation Testing Project

About Bluestone:-

Established in 2011, BlueStone is India's leading destination for high quality fine jewellery with strikingly exquisite designs. We aim at revolutionizing the fine jewellery and lifestyle segment in India with a firm focus on craftsmanship, quality and customer experience. In a short span of time, BlueStone has built a large family of loyal consumers in India and abroad.

We house more than 8000 unique designs for you to choose from. All these designs are crafted to perfection with utmost care giving you the flexibility to customize the product's gold purity and colour or diamond clarity to suit your needs.
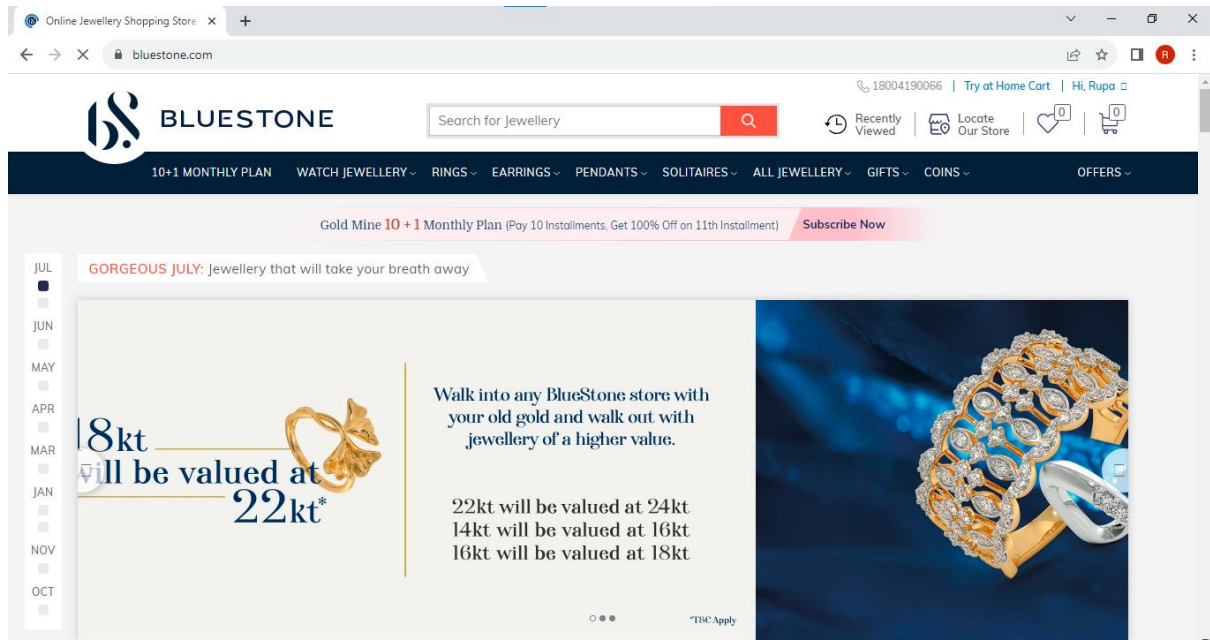
Our stores have been instrumental in spreading the shine of BlueStone and bringing us closer to you. With world class experience, friendly staff and the dazzling beauty of exquisite jewellery, every store is a sparkling gem.

With an award-winning design team that pays great attention to detail, each of our products are a symbol of perfection. With cutting edge innovation and latest technology, we make sure the brilliance is well reflected in all our jewellery.

We also offer a 30 Day Money Back guarantee, Certified Jewellery and Lifetime Exchange. You can also experience luxury shopping from the comfort of your home with our complimentary Try At Home service.

BlueStone is a web-based e commerce application and it deals with all type of jewellery items and it has both mobile app support for customers to track orders and easy access.

BLUESTONE HOME PAGE

LINK: https://www.bluestone.com/

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Introduction

The BLUESTONE project is aKatalonautomation project that utilizes the Selenium framework for automating web interactions. This documentation provides an overview of the project, instructions for installation and configuration, details about the project structure, and examples of test cases.

Project Overview

The BLUESTONE project aims to automate various tasks on the Bluestone website. It leverages Selenium, a powerful web automation tool, to interact with web elements and perform actions such as clicking buttons, filling forms, and extracting data.

Milestone 1: Getting Started

Explain the prerequisites and setup required to run the project.

Activity 1:-Prerequisites

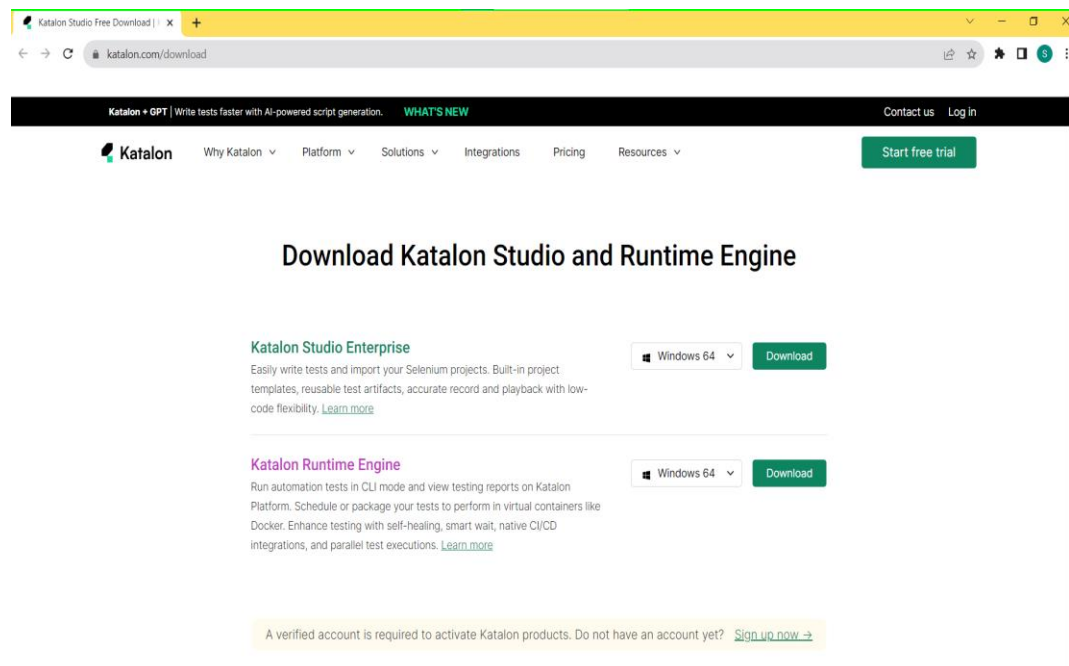Before getting started with the BLUESTONE project, ensure you have the following prerequisites:

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 BLUESTONE 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.
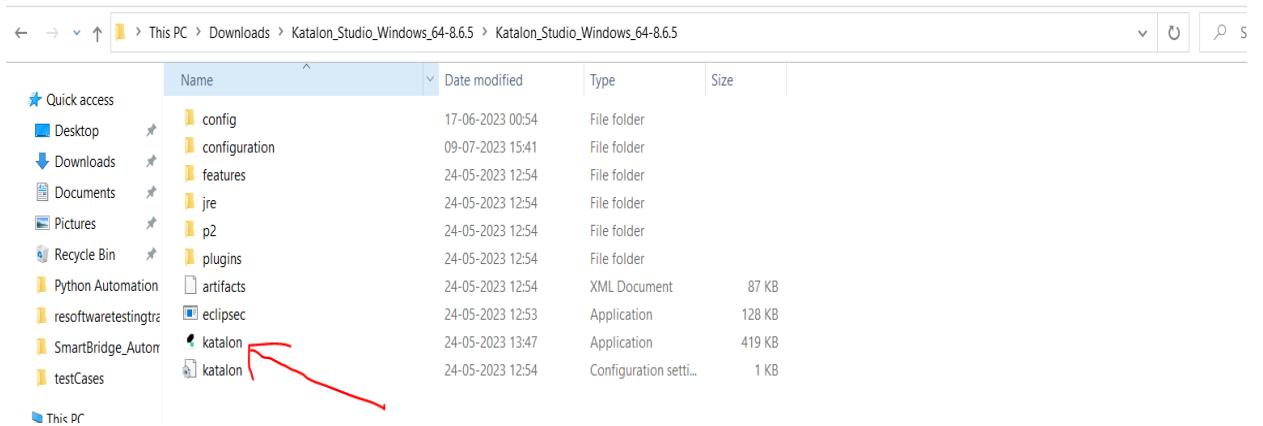

After downloading Katalon Studio and extracting the contents from the zip file, locate the folder where you extracted it.
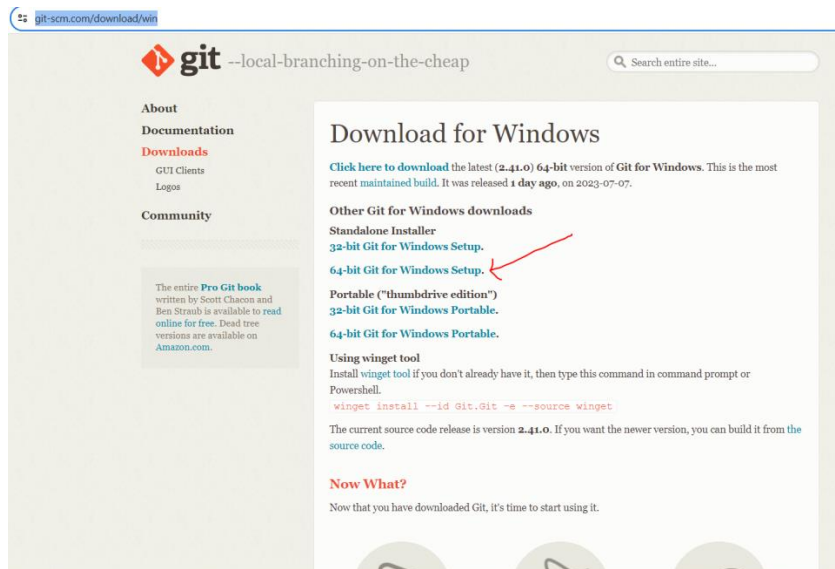
In that folder, look for the "**katalon.exe**" file. This file is the executable for Katalon Studio.
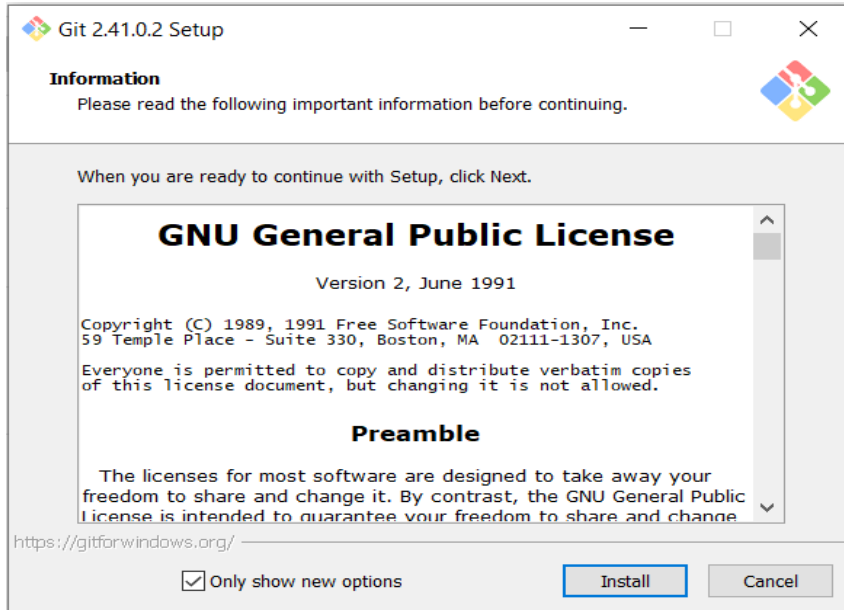
Double-click on the "**katalon.exe**" file to launch Katalon Studio. It may take a few moments to start up.

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.

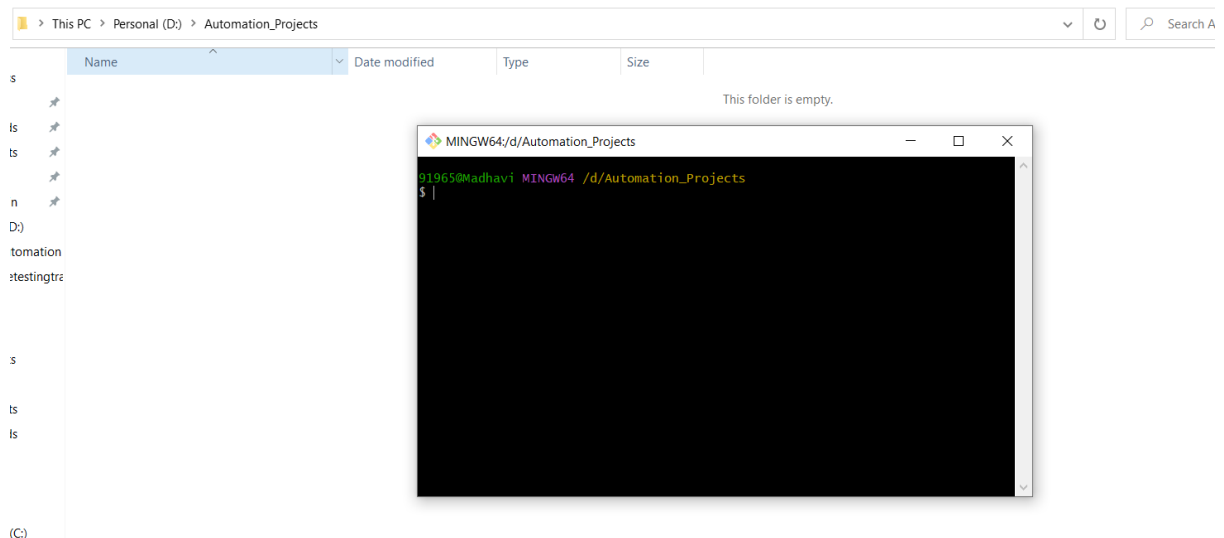**2.2:-**Download and install **gitbash** from https://git-scm.com/download/win

Activity 2.3 :-

Go to the desired location where you want to create the folder, such as Desktop.

Folder name like eg...(Automation_Testing_Project)

Open the folder-→ 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.
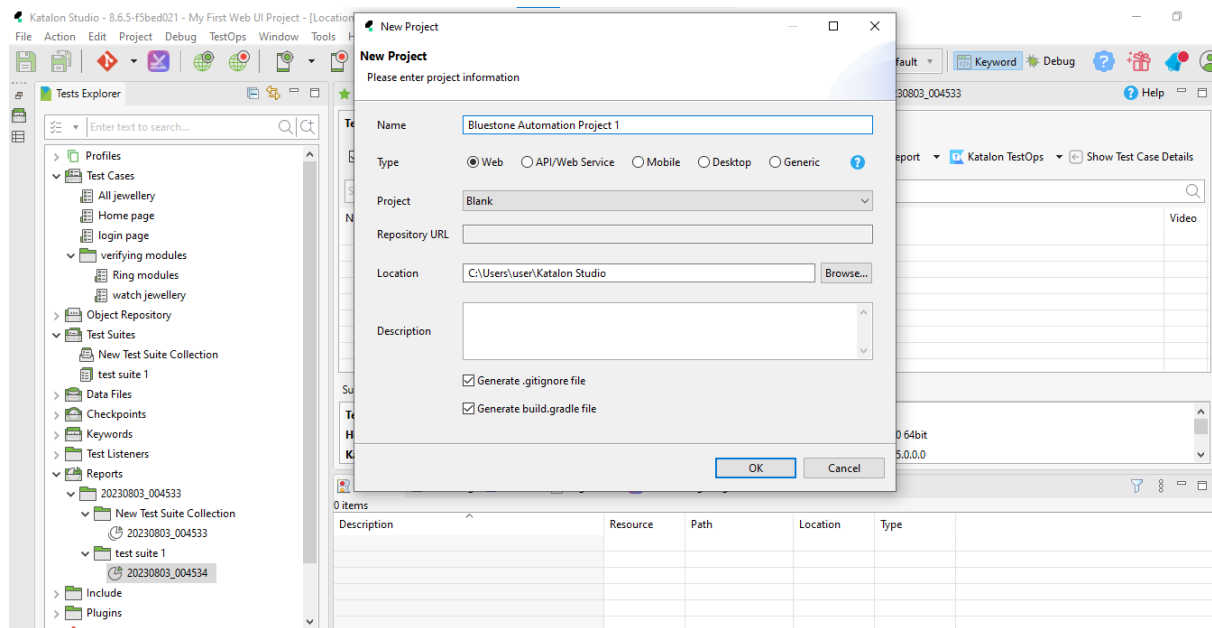

Activity 3:-Project Setup

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

www.smartinternz.com

Before cloning the project create project like below in katalon studio
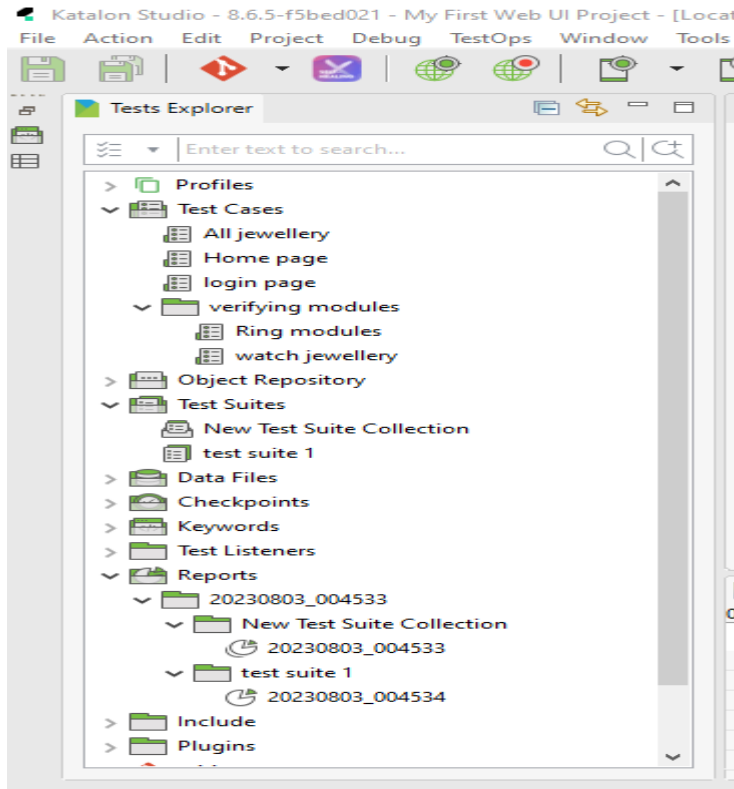

Activity 3.1:-   Clone the repository from github.

Activity 3.2:-   Clone the BLUESTONE project repository from [repository URL].
https://github.com/viswatesting123/SmartBridge_Automation_Projects.git

Activity 3.3:-Configuration settings (if any)

Milestone 2: Project Structure

Activity 1:-Explainedthe structure of the project, including directories and files, and their purposes. For example:
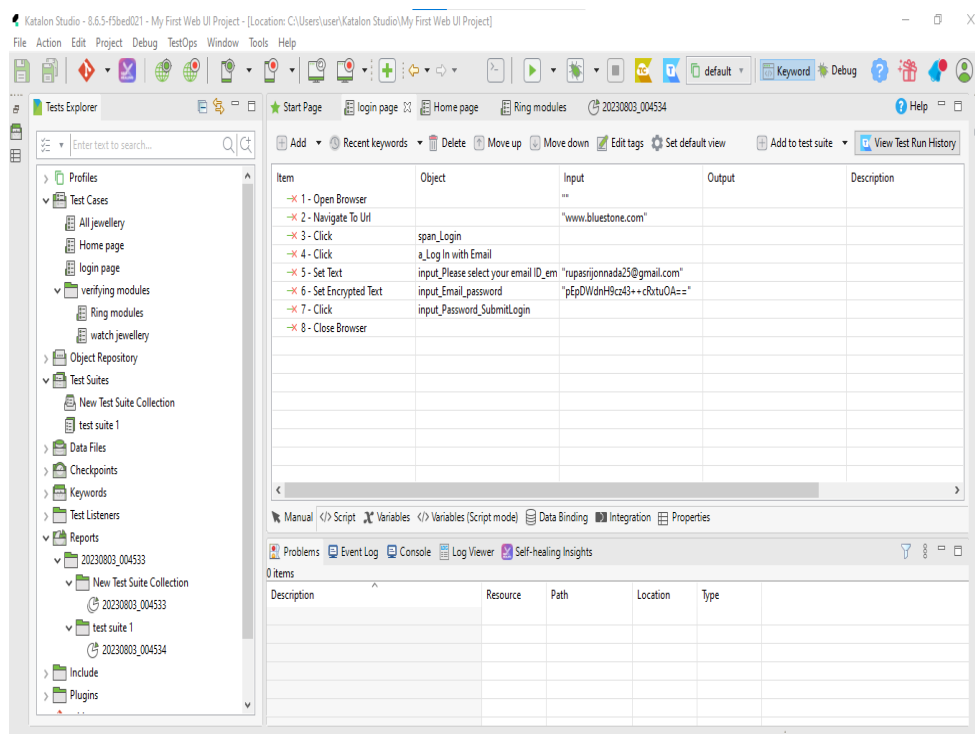
- **testscases/:** Directory containing test scripts

- **ObjectRepository/:** Directory containing page object models

- **testSuites/:** 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 KatalonStudio(it uses internally java,groovy script). Provide examples of different types of test cases, such as:

- Test case 1: Login 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.
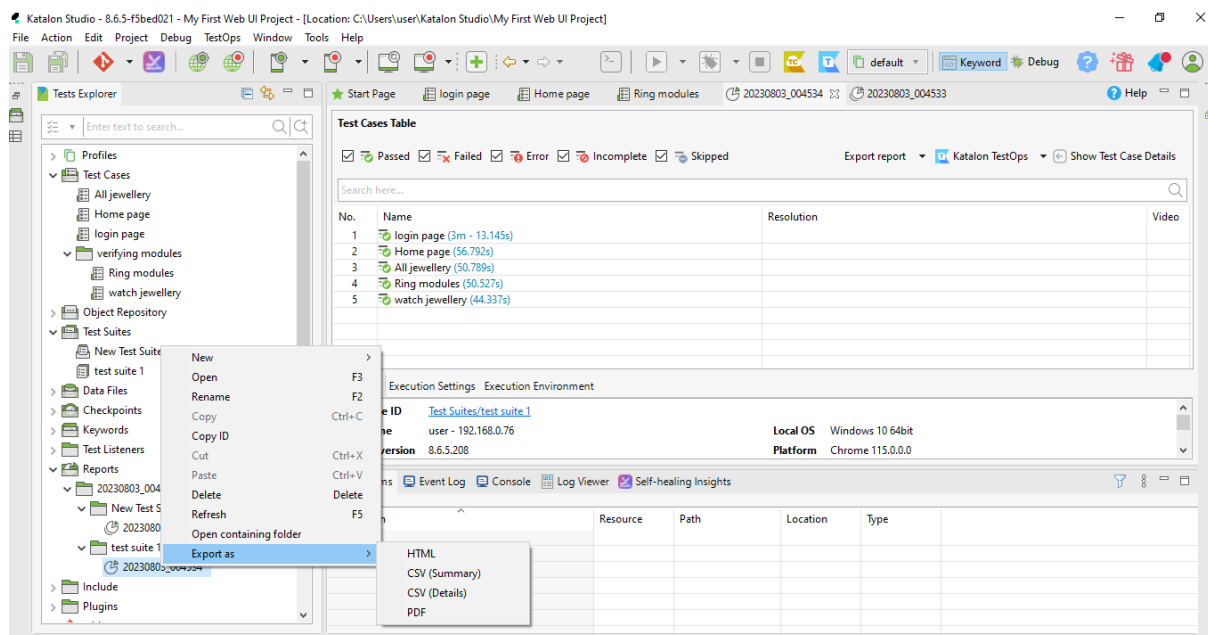
Milestone 3: Running Tests

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:-Run :- 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.

Activity1:-reports/:Directory containing test reports

Troubleshooting

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

Conclusion

The **BLUESTONE** automation project provides a framework for automating various tasks within the **BLUESTONE** web application using katalon studio. With this documentation, you should be able to set up the project, execute tests, and extend/customize it according to your needs.