SOFTWARE TESTING REPORT
GiGe

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Test Case ID: GT-01	Test Case Name: User Validation- Login

Objectives/Description: The first objective is to validate a user on our login portal.
On any error appropriate steps must be taken to advise users on how to recover from them.
On success, the user must have access to the next phase of the site.

Sequence of Steps	Expected Result	Actual Result	Pass/Fail
1. Enter the input fields for Username and Password and click Login. The following subcases arise: a. Invalid format for Username or Password or Both	a. System must inform the user of the error and elucidate the correct format.	a. System informs the user of format error and correct format is displayed.	PASS
b. Correct Username, incorrect Password	b. System must inform the user of their incorrect password.	b. System displays incorrect password notification.	PASS
c. Incorrect Username	c. System must display invalid messages.	c. System asks user to register using the signup page.	PASS
d. Correct Username and Password.	d. System must validate and let the user access the site.	d. System verifies the user and proceeds to the GET page.	PASS

Test Case ID: GT-02	Test Case Name: User Registration - Sign Up

Objectives/Description: The objective is to create a new user from our signup portal.
On any error appropriate steps must be taken to advise users on how to recover from them.
On success, a new user must be created with the details provided by the user and the user must be redirected to the login page.

Sequence of Steps	Expected Result	Actual Result	Pass/Fail
1. Enter all the details required on the SignUp page and click the Submit button. The following subcases arise:			
a. Invalid format entered, checked during client side validation.	a. System must inform the user of the error and elucidate the correct format.	a. System informs the user of format error and correct format is displayed.	PASS
b. Invalid data entered, checked during server side validation.	b. System must inform the user of the error and elucidate the correct format.	b. System informs the user of format error and correct format is displayed.	PASS
c. Correct detail entered	c. System must create the new user and redirect the user to the login page.	c. System creates a new user and redirects the user to the login page.	PASS

Test Case ID: GT-03	Test Case Name: Product Search

Objectives/Description: On successful login the user accesses the GET page, where it can look at multiple products available on the site.

A search functionality is provided so as to make the users task of finding a preferred product easier.

Sequence of Steps	Expected Result	Actual Result	Pass/Fail
1. User selects the Search input field in the navigation bar. 2. The user enters a specific product's name or some keywords for the preferred product. 3. Click on search icon-button	All products related to the search query must be displayed.	In case any product(s) matching the search query tag are found in the database, they are displayed. Else, an appropriate message is displayed.	PASS

Test Case ID: GT-04	Test Case Name: Product Category Search

Objectives/Description: In case a user has not decided on a particular product but wants to look for products in a particular category.

Sequence of Steps	Expected Result	Actual Result	Pass/Fail
Method 1: 1. Click on the Category option in the navigation bar. 2. Select category from dropdown list. Method 2: 1. Scroll through the GET page.(all products are listed under category subheaders) 2. When desired category is visible click on see more to view all products under the category.	All products listed under the particular category must be displayed.	A page displaying all results pertaining to the particular category is loaded.	PASS

Test Case ID: GT-05	Test Case Name: Product Select		
Objectives/Description: When the user finds their desired product they must be able to view all its details so as to make their decision final.			
Sequence of Steps	**Expected Result**	**Actual Result**	**Pass/Fail**
1. Locate the desired product. 2. Click on GET button.	All details pertaining to the product must be made available.	A specific product page loads, displaying all available product details. A button to rent the product is available.	PASS

Test Case ID: GT-06	Test Case Name: Product Rent		
Objectives/Description: When a user has viewed all product details and decides to rent it.			
Sequence of Steps	**Expected Result**	**Actual Result**	**Pass/Fail**
1. Click on Rent Product Button	An order for the product must be placed and the purchaser and the customer must be able to see their respective orders.	The order database for both the purchaser and seller are updated, and can be viewed on their respective ORDERS page.	PASS

Test Case ID: GT-07		**Test Case Name: Profile View and Update**	
Objectives/Description: A registered user must be able to view and edit their details on the site.			
Sequence of Steps	**Expected Result**	**Actual Result**	**Pass/Fail**
1. Click on Profile option on the navigation bar.	First the profile page with correct details of the user must be visible.	The correct details of the user are fetched and displayed.	PASS
2. Make any changes if wanted by entering a new value in the input field.	Ability to edit the existing values.	Input fields with option to enter new values are available.	PASS
3. Save the changes made by clicking the Submit button.	Proper save of the updated values.	Submit button successfully saves all changes in the database.	PASS

Test Case ID: GT-08		Test Case Name: Product Upload		
Objectives/Description: Allows users to upload one of their products for rent on the site, with the ability to provide all details for the same.				
Sequence of Steps	**Expected Result**	**Actual Result**		**Pass/Fail**
1. Click on add item Button	1. System should redirect the user to a page where he can enter the details of the item	1. The user is redirected to a page where he can enter the details of the item.		PASS
2. Enter the details of the item and click Submit.				
a. The format of the details entered are wrong	a. System must inform the user of the error and elucidate the correct format.	a. System informs the user of format error and correct format is displayed.		PASS
b. The same product is already listed by the same user.	b. System must inform the user that he has already listed the same product before and should not list it again.	b. Systems informs the user that the user has already listed the same product and does not create a duplicate product.		PASS
c. The format of the details entered are correct	c. System must list the new product and redirect the user to the Give page.	c. System lists the new product and redirects the user to the Give page		PASS

Test Case ID: GT-09		Test Case Name: Product Edit		
Objectives/Description: Allow a user to edit the details of a product they have uploaded on the site and save these changes.				
Sequence of Steps	**Expected Result**	**Actual Result**		**Pass/Fail**
1. Click on a product on the YOUR GIVES page.	First the product edit page with correct details of the product must be visible.	The correct details of the product are fetched and displayed.		PASS
2. Make any changes if wanted by entering a new value in the input field.	Ability to edit the existing values.	Input fields with option to enter new values are available working.		PASS
3. Save the changes made by clicking the Submit button.	Proper save of the updated values.	Submit button successfully saves all changes in the database.		PASS

SOFTWARE TESTING TOOLS

Selenium

Selenium is a free (open-source) automated testing framework used to validate web applications across different browsers and platforms. You can use multiple programming languages like Java, C#, Python etc to create Selenium Test Scripts. Testing done using the Selenium testing tool is usually referred to as Selenium Testing.
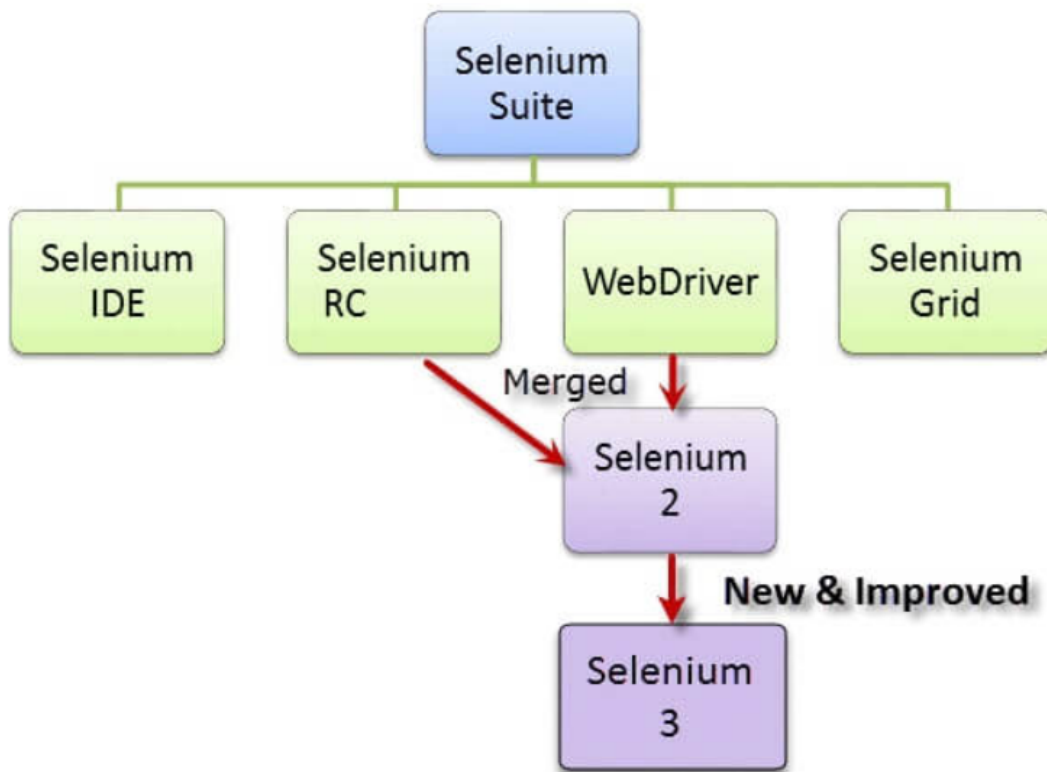

Introduction to Selenium

Citrus

Citrus is a testing tool which enables the test team to define whole use case tests to be executed fully automated. Incoming and outgoing messages are predefined in the test case. The tester defines a message flow as it is designed for a use case. All surrounding interface partners are simulated regardless of their transport protocols (Http, JMS, TCP/IP, SOAP, and many more). The tests can be integrated into a continuous integration environment so Citrus gives credit to the software quality at all times.

Enterprise Application Integration (EAI) software generally takes part in various transactions with different interface partners. The correct communication between the interface partners is necessary for the success of the business use case.

Integration challenge
How Citrus works with automated tests
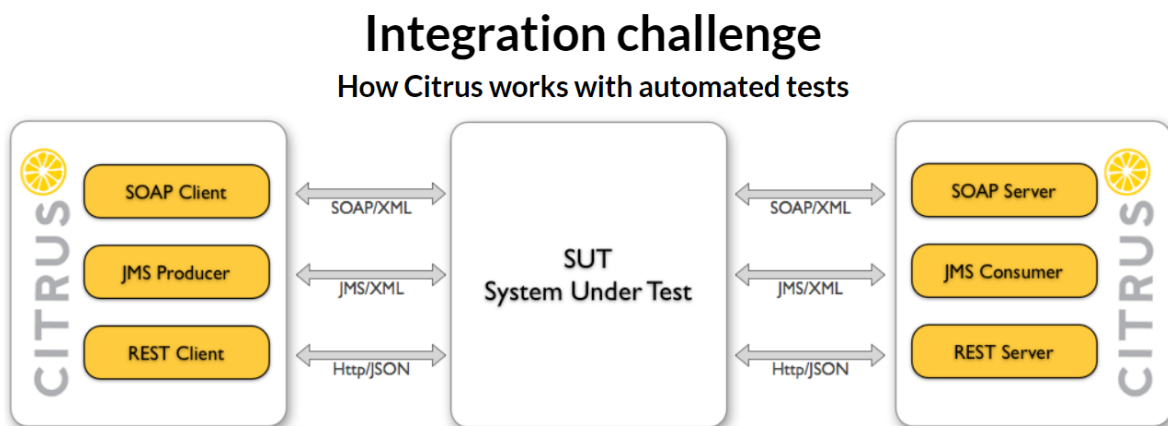
JIRA

It is a software testing tool developed by the Australian Company Atlassian. JIRA is a bug-tracking tool mainly used to track, organize, and prioritize the bugs, newly added features, and improvements for certain software releases. It enables software developers to track issues and improvements. It manages the projects as well as maintains the technical documentation.

JIRA tool is used because of the following reasons:

- Plan, Track and Work Faster
- The main source of information
- Organize the documentation tasks
- Track the progress of our documentation
- Helps to meet the deadlines of a documentation release.
- Measures the time spent on documentation
- Provides feedback faster
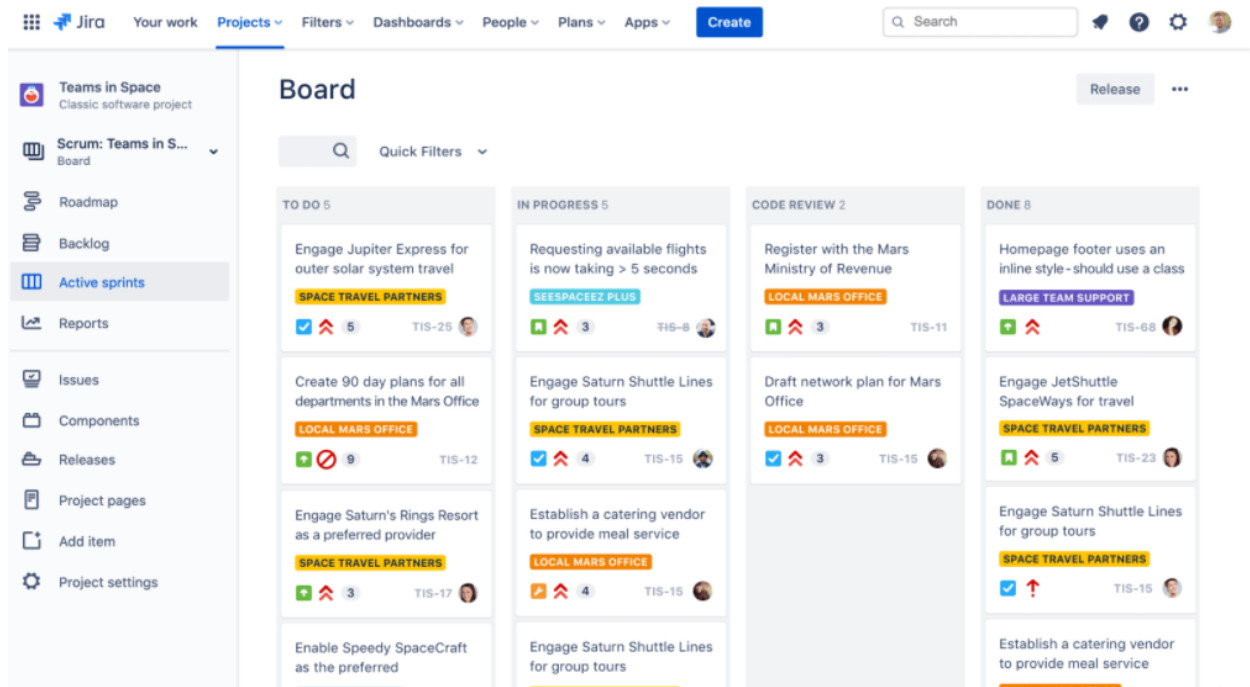
Ranorex Studio

Ranorex Studio has a full set of tools for easy no-code automation plus a full IDE and open API. Ranorex Studio's broad technology support makes it possible to automate tests for the most challenging legacy applications as well as the latest web and mobile technologies. Use Ranorex Studio to create coded API tests, combine them with your UI test runs, and take advantage of execution capabilities and detailed reporting.

Ranorex offers the following features:

- GUI recognition
- Reusable test codes
- Bug detection
- Integration with various tools
- Record and playback

Ranorex Studio: Functional UI Test Automation

Everyone from novice to expert can build sophisticated tests for desktop, web, and mobile apps.
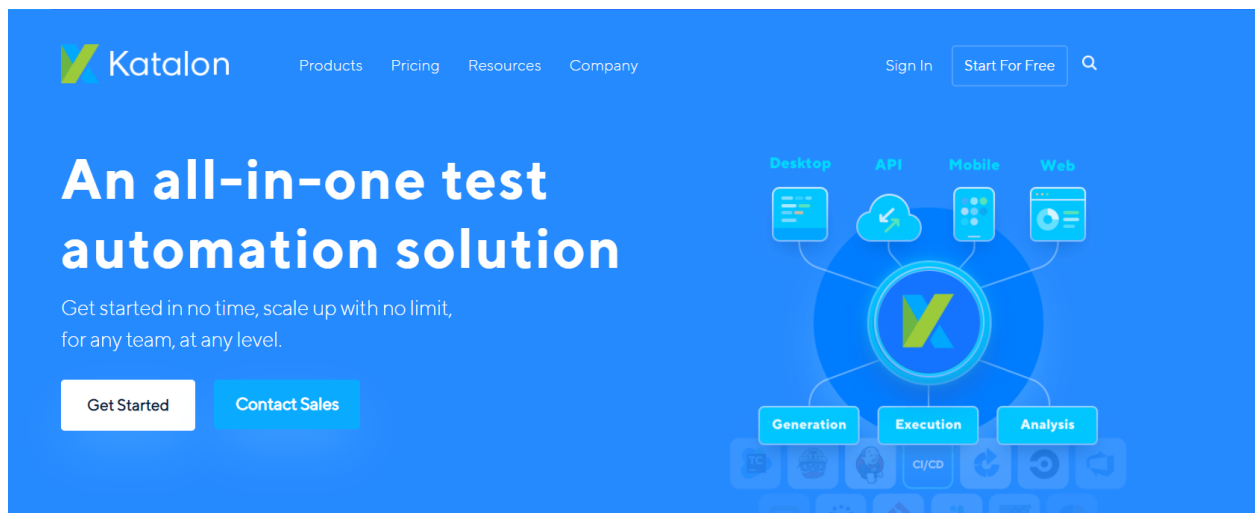
Self-Driven Demo   Intro Video

Katalon Studio

Katalon Studio is a free automation testing solution developed by Katalon LLC. The software is built on top of the open-source automation frameworks Selenium, Appium with a specialized IDE interface for API, web and mobile testing. This tool includes a full package of powerful features that help overcome common challenges in web UI test automation.

Katalon Studio consists of the following features:

- Built-in object repository, XPath, object re-identification
- Supports Java/Groovy scripting languages
- Built-in support for Image-based testing
- Support Continuous Integration tools like Jenkins & TeamCity
- Supports Duel-editor Interface
- Customizable execution workflow