

SQE Assignment 2



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1. Automation tool used.

Our group revised our automation tool to Katalon Studio for Windows x64, version 8.5.2 due to the sudden requirement of payment for our previously mentioned testing tools.

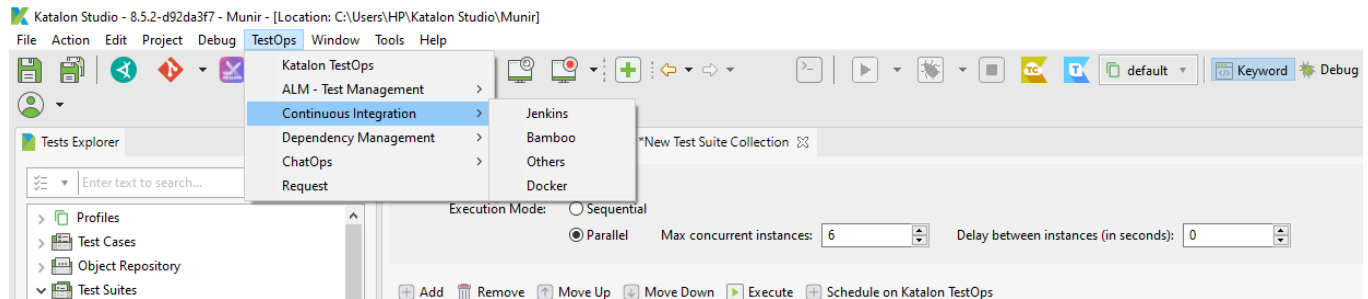
The Pros of Cons of Katalon Studio:

Every automated testing tool has there pros and cons. Let us analyze the pros and cons of Katalon Studio.

Pros of Katalon Studio

1. Seamless integration with CI/DevOps process and other system tools.

Katalon offers a broad range of useful integrations, thus running tests doesn't necessitate any additional extensions. Controlling test requirements, preparing test cases, and defect management are all possible. Users may also quickly link with other systems for managing the SDLC (software development lifecycle), like TestRail, JIRA, and TestLink.



2. Supports several testing types.

Katalon provides multiple testing types for users.

Data-driven testing: This is a method where tests that are executed include reading test scripts from several data sources. The information is gathered through sources such as Excel files, ODBC, data pools, CSV files, and ADO objects.

Keywords-driven testing: For testers who are not very well experienced in scripting, this method works very well for them. Any tester can perform an automated test based on core keywords that reflect the user behaviors on the applications under test. Customized keywords are also possible.

API-testing: For more improved test coverage, Katalon studio also supports databases with dynamic mapping, XML, and XLS data sources.

Additionally, Cucumber, which is a framework for behavior-driven development acceptance testing of web applications, is also compatible with the tests.

Cross-browser testing: All of the main browsers used today are supported by Katalon. This enables the execution of automated tests in Firefox, Chrome, Internet Explorer, Remote, Safari, Edge, Headless, and other customized environments.

Execution Information

Execution Mode: ☐ Sequential ☒ Parallel

Max concurrent instances: Delay between instances (in seconds):

Add Remove Move Up Move Down Execute Schedule on Katalon TestOps

No.	ID	Run with	Run Configuration	Profile
1	Test Suites/SQE TestSuite	Chrome		default
2	Test Suites/SQE TestSuite	Edge		default
3	Test Suites/SQE TestSuite	Firefox		default
4	Test Suites/SQE TestSuite	Safari		default
5	Test Suites/SQE TestSuite	IE		default
6	Test Suites/SQE TestSuite	Edge Chromium		default

3. A very Easy-to-use GUI.

The user interface (UI) of Katalon has extremely rich visuals, tables, tree views, and menus that make managing test artifacts very simple and organized. The tool's User interface is comfortable, clear, user-friendly, and simple to use. This remains true even for non-technical users, according to the testers who used Katalon.

4. An intuitive analytics and reporting dashboard.

The users may assess tests by using recorded scenarios thanks to the integrated, data-driven testing module. The analytics output is presented by Katalon Studio such that it has built-in reports that may be exported to file formats such as HTML, PDF, CSV, or Excel files. The reports produced are easy to use and aesthetically intuitive.

1	Suite/Test/Step Name	Browser	Description	Tag	Start time	End time	Duration	Status		
2	SQE TestSuite	Chrome 107.0.0.0			#####	#####	1m - 46.822s	FAILED		
3										
4	Test Cases/New Test Case (1)	Chrome 107.0.0.0			#####	#####	1m - 45.563s	FAILED		
5	openBrowser("")	Chrome 107.0.0.0			#####	#####	1m - 2.473s	PASSED		
6	navigateToUrl("https://katalon-demo-cura.herokuapp.com/")	Chrome 107.0.0.0			#####	#####	7.940s	PASSED		
7	click(findTestObject("Object Repository/SQETesting/Page_CURA Healthca	Chrome 107.0.0.0			#####	#####	2.482s	PASSED		
8	verifyElementVisible(findTestObject("Object Repository/SQETesting/Page	Chrome 107.0.0.0			#####	#####	0.996s	PASSED		
9	mouseover(findTestObject("Object Repository/SQETesting/Page_CURA H	Chrome 107.0.0.0			#####	#####	1.944s	PASSED		
10	click(findTestObject("Object Repository/SQETesting/Page_CURA Healthca	Chrome 107.0.0.0			#####	#####	2.789s	PASSED		
11	setText(findTestObject("Object Repository/SQETesting/Page_CURA Health	Chrome 107.0.0.0			#####	#####	3.242s	PASSED		
12	setEncryptedText(findTestObject("Object Repository/SQETesting/Page_CL	Chrome 107.0.0.0			#####	#####	1.615s	PASSED		
13	click(findTestObject("Object Repository/SQETesting/Page_CURA Healthca	Chrome 107.0.0.0			#####	#####	2.409s	PASSED		
14	setText(findTestObject("Object Repository/SQETesting/Page_CURA Health	Chrome 107.0.0.0			#####	#####	1.529s	PASSED		
15	setEncryptedText(findTestObject("Object Repository/SQETesting/Page_CL	Chrome 107.0.0.0			#####	#####	0.858s	PASSED		
16	click(findTestObject("Object Repository/SQETesting/Page_CURA Healthca	Chrome 107.0.0.0			#####	#####	1.692s	PASSED		
17	selectOptionByValue(findTestObject("Object Repository/SQETesting/Page	Chrome 107.0.0.0			#####	#####	1.958s	PASSED		
18	click(findTestObject("Object Repository/SQETesting/Page_CURA Healthca	Chrome 107.0.0.0			#####	#####	0.876s	PASSED		
19	click(findTestObject("Object Repository/SQETesting/Page_CURA Healthca	Chrome 107.0.0.0			#####	#####	0.913s	PASSED		
20	click(findTestObject("Object Repository/SQETesting/Page_CURA Healthca	Chrome 107.0.0.0			#####	#####	0.868s	PASSED		
21	setText(findTestObject("Object Repository/SQETesting/Page_CURA Health	Chrome 107.0.0.0			#####	#####	1.409s	PASSED		
22	click(findTestObject("Object Repository/SQETesting/Page_CURA Healthca	Chrome 107.0.0.0			#####	#####	1.221s	PASSED		
23	click(findTestObject("Object Repository/SQETesting/Page_CURA Healthca	Chrome 107.0.0.0			#####	#####	1.153s	PASSED		
24	click(findTestObject("Object Repository/SQETesting/Page_CURA Healthca	Chrome 107.0.0.0			#####	#####	0.747s	PASSED		

5. Free version available.

The majority of Katalon's users find its fully functional free version to be a tremendous benefit including us. The free basic edition is available for individual use, but the Enterprise version is intended for teams and scalable projects since it has access to other Katalon plugins, additional functionality, and an offline license.

Cons of Katalon Studio

These are some shortfalls of Katalon Studio.

1. A small user community

As a result of Katalon's 2015 development, the community is smaller than that of its more experienced rivals. You might not get as much help from peer testers. There are 706 questions tagged Katalon Studio on Stack Overflow, as compared to 87,555 questions marked Selenium.

2. Performance hindrance.

Some bugs that users report hinder and slow down testing. The text and object verification within the iframes is also challenging. For instance, and the tool occasionally freezes or starts to slow and this is a big issue when the tool is starting and setting itself when opened.

3. Not an Open source software

Due to the tool's closed source code, there are fewer developers in the community. One of Katalon's primary rivals is Selenium. It is an opensource tool that allows engineers to modify it or use packages created by the community, which means people prefer open-source software.

2. Selection criteria for Katalon Studio automation tool.

We chose Katalon Studio for multiple reasons:

1. The tool was free. The tool was absolutely for a sort of free trial or any need to enter the credit card details. This makes it easy for testers to focus on their goals instead of us focusing on making new accounts downloading other testing tools, or worrying about the trial period ending.

2. The software can integrate very well with other software. We can run the tool on almost all browsers, deal with all file formats, and synchronize our work with project management tools such as JIRA.
3. This single software allows multiple testing to take be performed. We can perform API testing, cross-browser testing, and even data-driven testing. As we will need to use a database, data-driven testing will come in handy.
4. It is very easy to use and promotes new testers to learn to test. The GUI, the analytics dashboards, and the reporting tools are highly usable. It means one can focus on testing easily.
5. They have their own complete video playlist which one can watch to master the tool easily. It starts from installations and goes up to technical guides.

3. Applications which it has been applied on.

This tool we used was applied to two websites. First, we applied the tool on [Indus Hospital's website](#) and on [Facebook](#). We applied it to Indus hospital as we will also make software closely related to healthcare so we ran it there to check the donate functions, URL redirecting, merchandise purchase, checking for nearest blood centers, etc. We used Facebook as we will also provide a login option on our website so this feature was tested on Facebook. On the whole, the tool can be applied to websites, mobile phone applications, APIs, and desktop applications as well.

Some other applications which it may be applied on.

Katalon was initially designed to reuse and create automated test scripts for the User Interface without coding. KS also allows checking for popups, iFrames, and wait times.

Some notable companies that use Katalon Studio.

- Care Logistics: Quick system stability testing was a difficulty for Care Logistics, a business that offers software and services for healthcare logistics to hospitals and health centers. They used KS to convert these test cases into automated ones from manual ones.
- Tunaiku: This Indonesian fintech loan company has to guarantee the security of users for their transactional data. Numerous quality assurance tests in the CI workflow, which incorporates Jenkins and Docker, were necessary for this. So they used KS to solve quality assurance problems and reduced scripting time by 60%.
- Angler: Katalon Studio was also utilized by Indian Internet and technology provider Angler to test their APIs. It was their responsibility to create API scripts, test APIs, find flaws during the development process, and stop them from making it into APIs. As a consequence, Angler used Katalon Studio to cover more than 80% of functional testing.

4. Execution of the test cases.

We had a total of 5 test cases. These test cases were comprised of successful and unsuccessful activities such as website logins, website purchases, site redirections, and website donations of money.

1. Donating money function with invalid data.

In this test case, we tested the website for the option of donating money to the hospital. We entered incorrect billing addresses, optional billing addresses, and the billing city. As these were all entered incorrectly, the website did not let us proceed. This is also reflected in the tool record as we were unable to proceed even after we clicked donate.

Item	Object	Input	Output	Descr
✗ 1 - Open Browser		""		
✗ 2 - Navigate To Url		"https://indushospital.org.pk/"		
✗ 3 - Click	a_Donate Now			
✗ 4 - Click	span_Ways To Donate			
✗ 5 - Click	span_Donate Online			
✗ 6 - Click	a_Donate Now			
✗ 7 - Switch To Window Title		"Donate Now Indus Hospital & Hea		
✗ 8 - Click	a_PKR Donate in Pak Rupees			
✗ 9 - Set Text	input_Enter Amount in PKR ()_nyp	"9.00"		
✗ 10 - Click	button_Donate Now			
✗ 11 - Set Text	input_Enter Amount in PKR ()_nyp	"100.00"		
✗ 12 - Click	button_Donate Now			
✗ 13 - Set Text	input_billing_first_name	"dfs"		
✗ 14 - Set Text	input_(optional)_billing_company	"dsf"		
✗ 15 - Set Text	input_billing_address_1	"dsf"		
✗ 16 - Set Text	input_(optional)_billing_address_2	"sdf"		
✗ 17 - Set Text	input_billing_city	"asd"		
✗ 18 - Click	button_Proceed to Donate			
✗ 19 - Close Browser				

Level	Time	Message
START	2022-11-18 21:27:45.891	Start Test Case : Test Cases/donation
START	2022-11-18 21:27:47.242	Start action : openBrowser("")
INFO	2022-11-18 21:27:47.976	Starting 'Chrome' driver
INFO	2022-11-18 21:27:48.128	Action delay is set to 0 milliseconds
RUN_DATA	2022-11-18 21:27:55.278	sessionId = 14afb3e5d845f2a7c7008b9077468ff1
RUN_DATA	2022-11-18 21:27:55.312	browser = Chrome 107.0.0.0
RUN_DATA	2022-11-18 21:27:55.313	platform = Windows 10
RUN_DATA	2022-11-18 21:27:55.314	seleniumVersion = 3.141.59
RUN_DATA	2022-11-18 21:27:55.316	proxyInformation = ProxyInformation { proxyOption=NO_PROXY, proxyServerType=HTTP, .
PASSED	2022-11-18 21:27:55.358	Browser is opened with url: "
END	2022-11-18 21:27:55.360	End action : openBrowser("")
START	2022-11-18 21:27:55.360	Start action : navigateToUrl("https://indushospital.org.pk/")
PASSED	2022-11-18 21:28:06.609	Navigate to 'https://indushospital.org.pk/' successfully
END	2022-11-18 21:28:06.610	End action : navigateToUrl("https://indushospital.org.pk/")
START	2022-11-18 21:28:06.611	Start action : click(findTestObject("Object Repository/Page_Indus Hospital Health Network.
INFO	2022-11-18 21:28:38.069	Unable to find the element located by 'By.xpath: '. Please recheck the objects properties to .
WARNING	2022-11-18 21:28:38.101	[SELF-HEALING] Failed to find element with id 'Object Repository/Page_Indus Hospital He..
INFO	2022-11-18 21:28:40.451	[SELF-HEALING] Working Locator: '//li[@id='menu-item-59018']/a'.
INFO	2022-11-18 21:28:43.951	[SELF-HEALING] Screenshot: C:/Users/HP/Katalon Studio/Munir/Reports/Self-healing/Obje
WARNING	2022-11-18 21:28:43.975	[SELF-HEALING] The current locator of test object 'Object Repository/Page_Indus Hospital

Level	Time	Message
START	2022-11-18 21:28:06.611	Start action : click(findTestObject("Object Repository/Page_Indus Hospital Health Network.
INFO	2022-11-18 21:28:38.069	Unable to find the element located by 'By.xpath: '. Please recheck the objects properties to .
WARNING	2022-11-18 21:28:38.101	[SELF-HEALING] Failed to find element with id 'Object Repository/Page_Indus Hospital He..
INFO	2022-11-18 21:28:40.451	[SELF-HEALING] Working Locator: '//li[@id='menu-item-59018']/a'.
INFO	2022-11-18 21:28:43.951	[SELF-HEALING] Screenshot: C:/Users/HP/Katalon Studio/Munir/Reports/Self-healing/Obje
WARNING	2022-11-18 21:28:43.975	[SELF-HEALING] The current locator of test object 'Object Repository/Page_Indus Hospital
PASSED	2022-11-18 21:28:59.422	Object: 'Object Repository/Page_Indus Hospital Health Network/a_Donate Now' is clicked.
END	2022-11-18 21:28:59.423	End action : click(findTestObject("Object Repository/Page_Indus Hospital Health Network/.
START	2022-11-18 21:28:59.424	Start action : click(findTestObject("Object Repository/Page_Donate Now Indus Hospital He
PASSED	2022-11-18 21:29:00.752	Object: 'Object Repository/Page_Donate Now Indus Hospital Health Network/span_Ways.
END	2022-11-18 21:29:00.753	End action : click(findTestObject("Object Repository/Page_Donate Now Indus Hospital He.
START	2022-11-18 21:29:00.754	Start action : click(findTestObject("Object Repository/Page_Donate Now Indus Hospital He
PASSED	2022-11-18 21:29:01.657	Object: 'Object Repository/Page_Donate Now Indus Hospital Health Network/span_Donat.
END	2022-11-18 21:29:01.659	End action : click(findTestObject("Object Repository/Page_Donate Now Indus Hospital He.
START	2022-11-18 21:29:01.662	Start action : click(findTestObject("Object Repository/Page_Donate Now Indus Hospital He
PASSED	2022-11-18 21:29:02.317	Object: 'Object Repository/Page_Donate Now Indus Hospital Health Network/a_Donate N.
END	2022-11-18 21:29:02.318	End action : click(findTestObject("Object Repository/Page_Donate Now Indus Hospital He.
START	2022-11-18 21:29:02.319	Start action : switchToWindowTitle("Donate Now Indus Hospital & Health Network")
PASSED	2022-11-18 21:29:03.974	Switched to window with title: 'Donate Now Indus Hospital & Health Network'

Level	Time	Message
END	2022-11-18 21:29:03.975	End action : switchToWindowTitle("Donate Now Indus Hospital & Health Network")
START	2022-11-18 21:29:03.975	Start action : click(findTestObject("Object Repository/Page_Donate Now Indus Hospital He
PASSED	2022-11-18 21:29:13.134	Object: 'Object Repository/Page_Donate Now Indus Hospital Health Network/a_PKR Dona
END	2022-11-18 21:29:13.135	End action : click(findTestObject("Object Repository/Page_Donate Now Indus Hospital He.
START	2022-11-18 21:29:13.136	Start action : setText(findTestObject("Object Repository/Page_Donate Now Indus Hospital .
PASSED	2022-11-18 21:29:15.478	Text '9.00' is set on object 'Object Repository/Page_Donate Now Indus Hospital Health Net
END	2022-11-18 21:29:15.479	End action : setText(findTestObject("Object Repository/Page_Donate Now Indus Hospital ..
START	2022-11-18 21:29:15.479	Start action : click(findTestObject("Object Repository/Page_Donate Now Indus Hospital He
PASSED	2022-11-18 21:29:16.755	Object: 'Object Repository/Page_Donate Now Indus Hospital Health Network/button_Don
END	2022-11-18 21:29:16.757	End action : click(findTestObject("Object Repository/Page_Donate Now Indus Hospital He.
START	2022-11-18 21:29:16.757	Start action : setText(findTestObject("Object Repository/Page_Donate Now Indus Hospital .
PASSED	2022-11-18 21:29:17.886	Text '100.00' is set on object 'Object Repository/Page_Donate Now Indus Hospital Health ..
END	2022-11-18 21:29:17.887	End action : setText(findTestObject("Object Repository/Page_Donate Now Indus Hospital ..
START	2022-11-18 21:29:17.887	Start action : click(findTestObject("Object Repository/Page_Donate Now Indus Hospital He
PASSED	2022-11-18 21:29:28.765	Object: 'Object Repository/Page_Donate Now Indus Hospital Health Network/button_Don
END	2022-11-18 21:29:28.766	End action : click(findTestObject("Object Repository/Page_Donate Now Indus Hospital He.
START	2022-11-18 21:29:28.767	Start action : setText(findTestObject("Object Repository/Page_Indus Checkout Indus Hospit
PASSED	2022-11-18 21:29:31.132	Text 'dfs' is set on object 'Object Repository/Page_Indus Checkout Indus Hospital Health_2
END	2022-11-18 21:29:31.133	End action : setText(findTestObject("Object Repository/Page_Indus Checkout Indus Hospit..
Level	Time	Message
PASSED	2022-11-18 21:29:32.321	Text 'dsf' is set on object 'Object Repository/Page_Indus Checkout Indus Hospital Health_2
END	2022-11-18 21:29:32.322	End action : setText(findTestObject("Object Repository/Page_Indus Checkout Indus Hospit..
START	2022-11-18 21:29:32.323	Start action : setText(findTestObject("Object Repository/Page_Indus Checkout Indus Hospit
PASSED	2022-11-18 21:29:33.260	Text 'dsf' is set on object 'Object Repository/Page_Indus Checkout Indus Hospital Health_2
END	2022-11-18 21:29:33.262	End action : setText(findTestObject("Object Repository/Page_Indus Checkout Indus Hospit..
START	2022-11-18 21:29:33.262	Start action : setText(findTestObject("Object Repository/Page_Indus Checkout Indus Hospit
PASSED	2022-11-18 21:29:34.372	Text 'sdf' is set on object 'Object Repository/Page_Indus Checkout Indus Hospital Health_2
END	2022-11-18 21:29:34.373	End action : setText(findTestObject("Object Repository/Page_Indus Checkout Indus Hospit..
START	2022-11-18 21:29:34.373	Start action : setText(findTestObject("Object Repository/Page_Indus Checkout Indus Hospit
PASSED	2022-11-18 21:29:35.390	Text 'asd' is set on object 'Object Repository/Page_Indus Checkout Indus Hospital Health_2
END	2022-11-18 21:29:35.391	End action : setText(findTestObject("Object Repository/Page_Indus Checkout Indus Hospit..
START	2022-11-18 21:29:35.392	Start action : doubleClick(findTestObject("Object Repository/Page_Indus Checkout Indus H
INFO	2022-11-18 21:30:06.796	Unable to find the element located by 'By.xpath: //div[@id='post-12667']/div/section/secti.
WARNING	2022-11-18 21:30:06.797	[SELF-HEALING] Failed to find element with id 'Object Repository/Page_Indus Checkout In.
INFO	2022-11-18 21:30:07.095	[SELF-HEALING] Failed Locator: '//div[@id='post-12667']/div/section/section[2]/div/div/di.
INFO	2022-11-18 21:30:07.425	[SELF-HEALING] Working Locator: '(.//*[normalize-space(text()) and normalize-space(.)='x'
INFO	2022-11-18 21:30:07.584	[SELF-HEALING] Screenshot: C:/Users/HP/Katalon Studio/Munir/Reports/Self-healing/Obje
WARNING	2022-11-18 21:30:07.763	[SELF-HEALING] The current locator of test object 'Object Repository/Page_Indus Checkout
PASSED	2022-11-18 21:30:18.680	Object: 'Object Repository/Page_Indus Checkout Indus Hospital Health_2d7c00/strong_Bil

2. Testing for successful link redirections.

In this test case, we tested if we were successfully getting a redirection when we clicked on the required links. We check for open blood donation centers, the about us page for the hospital, the network of the hospital, and how the hospital started.

Item	Object	Input	Output	Descr
✖ 1 - Open Browser		""		
✖ 2 - Navigate To Url		"https://indushospital.org.pk/online-		
✖ 3 - Click	a_Flood relief efforts			
✖ 4 - Click	span_Donation Collection Center			
✖ 5 - Click	span_Ways To Donate			
✖ 6 - Click	span_Ways To Donate			
✖ 7 - Click	img_Flood relief efforts_img-responsive zoz_0b6efd			
✖ 8 - Close Browser				

Runs: 1/1	Passes: 1	Failures: 0	Errors: 0	Skips: 0	
All	Level	Time	Message		
Info	START	2022-11-18 21:17:06.154	Start Test Case : Test Cases/Common Test Cases/indusredirection		
Passed	START	2022-11-18 21:17:07.291	Start action : openBrowser("")		
Failed	INFO	2022-11-18 21:17:07.913	Starting 'Chrome' driver		
Error	INFO	2022-11-18 21:17:08.007	Action delay is set to 0 milliseconds		
Warning	RUN_DATA	2022-11-18 21:17:15.142	sessionId = f10e30ef344ec2c5bb1839214938469c		
Not Run	RUN_DATA	2022-11-18 21:17:15.184	browser = Chrome 107.0.0.0		
	RUN_DATA	2022-11-18 21:17:15.184	platform = Windows 10		
	RUN_DATA	2022-11-18 21:17:15.185	seleniumVersion = 3.141.59		
	RUN_DATA	2022-11-18 21:17:15.186	proxyInformation = ProxyInformation { proxyOption=NO_PROXY, proxyServerType=HTTP,...		
	PASSED	2022-11-18 21:17:15.295	Browser is opened with url: "		
	END	2022-11-18 21:17:15.296	End action : openBrowser("")		
	START	2022-11-18 21:17:15.297	Start action : navigateToUrl("https://indushospital.org.pk/online-store/")		
	PASSED	2022-11-18 21:17:32.711	Navigate to 'https://indushospital.org.pk/online-store/' successfully		
	END	2022-11-18 21:17:32.712	End action : navigateToUrl("https://indushospital.org.pk/online-store/")		
	START	2022-11-18 21:17:32.713	Start action : click(findTestObject("Object Repository/Page_Online Store Indus Hospital H..		
	PASSED	2022-11-18 21:18:56.320	Object: 'Object Repository/Page_Online Store Indus Hospital Health Network/a_Flood reli..		
	END	2022-11-18 21:18:56.321	End action : click(findTestObject("Object Repository/Page_Online Store Indus Hospital He..		
	START	2022-11-18 21:18:56.322	Start action : click(findTestObject("Object Repository/Page_Indus Hospital Health Network..		
	PASSED	2022-11-18 21:19:07.376	Object: 'Object Repository/Page_Indus Hospital Health Network 2022 F_871700/span_Don..		
	END	2022-11-18 21:19:07.377	End action : click(findTestObject("Object Repository/Page_Indus Hospital Health Network ..		
	START	2022-11-18 21:19:07.378	Start action : click(findTestObject("Object Repository/Paae Indus Hospiatal Health Network..		

Runs: 1/1	Passes: 1	Failures: 0	Errors: 0	Skips: 0	
All	Level	Time	Message		
Info	START	2022-11-18 21:17:32.713	Start action : click(findTestObject("Object Repository/Page_Online Store Indus Hospital H..		
Passed	PASSED	2022-11-18 21:18:56.320	Object: 'Object Repository/Page_Online Store Indus Hospital Health Network/a_Flood reli..		
Failed	END	2022-11-18 21:18:56.321	End action : click(findTestObject("Object Repository/Page_Online Store Indus Hospital He..		
Error	START	2022-11-18 21:18:56.322	Start action : click(findTestObject("Object Repository/Page_Indus Hospital Health Network..		
Warning	PASSED	2022-11-18 21:19:07.376	Object: 'Object Repository/Page_Indus Hospital Health Network 2022 F_871700/span_Don..		
Not Run	END	2022-11-18 21:19:07.377	End action : click(findTestObject("Object Repository/Page_Indus Hospital Health Network ..		
	START	2022-11-18 21:19:07.378	Start action : click(findTestObject("Object Repository/Page_Indus Hospital Health Network..		
	PASSED	2022-11-18 21:19:09.349	Object: 'Object Repository/Page_Indus Hospital Health Network 2022 F_871700/span_Way..		
	END	2022-11-18 21:19:09.350	End action : click(findTestObject("Object Repository/Page_Indus Hospital Health Network ..		
	START	2022-11-18 21:19:09.350	Start action : click(findTestObject("Object Repository/Page_Indus Hospital Health Network..		
	PASSED	2022-11-18 21:19:11.275	Object: 'Object Repository/Page_Indus Hospital Health Network 2022 F_871700/span_Way..		
	END	2022-11-18 21:19:11.276	End action : click(findTestObject("Object Repository/Page_Indus Hospital Health Network ..		
	START	2022-11-18 21:19:11.277	Start action : click(findTestObject("Object Repository/Page_Indus Hospital Health Network..		
	PASSED	2022-11-18 21:19:37.087	Object: 'Object Repository/Page_Indus Hospital Health Network 2022 F_871700/img_Floo..		
	END	2022-11-18 21:19:37.088	End action : click(findTestObject("Object Repository/Page_Indus Hospital Health Network ..20		
	START	2022-11-18 21:19:37.088	Start action : closeBrowser()		
	PASSED	2022-11-18 21:19:38.429	Browser is closed		
	END	2022-11-18 21:19:38.431	End action : closeBrowser()		
	PASSED	2022-11-18 21:19:38.432	Test Cases/Common Test Cases/indusredirection		
	END	2022-11-18 21:19:38.461	End Test Case : Test Cases/Common Test Cases/indusredirection		

3. Buying an out-of-stock item from the hospital merchandise.


We tried to buy items from the website which were out of stock. We first went to the shop now tab, and tried to buy an empty cart. This can be seen and our request was not catered. Then we tried to buy 6 items but again we were unable to complete our transaction as the items were out of stock. This shows invalid operations cannot be performed on the site and the inability to purchase is reflected in the testing tool record.

indushospital.org.pk/donate/gift-basket/

Chrome is being controlled by automated test software.

indushospital.org.pk says
Sorry, this product is unavailable. Please choose a different combination.

OK



Type

Forever Blossoms

Clear

Rs 1200

Out of stock

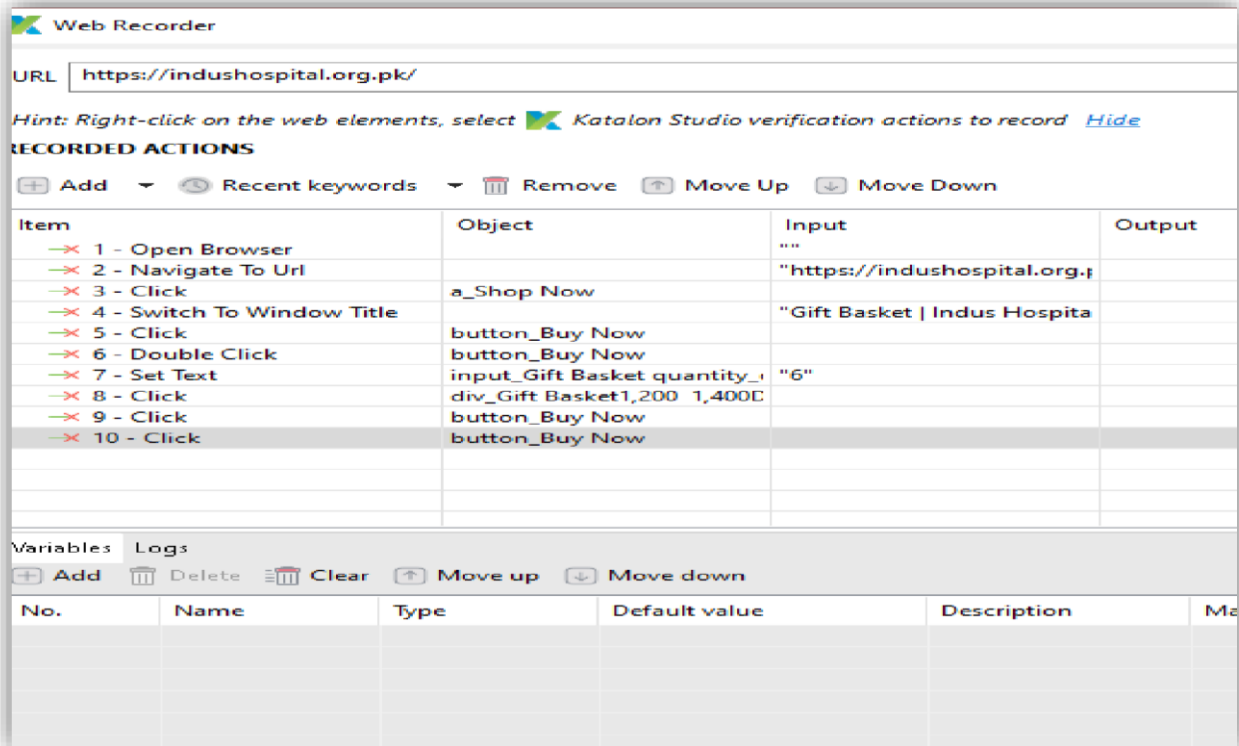
Quantity:

6

BUY NOW

Share on:

[f](#)[t](#)[p](#)[e](#)



4. Unsuccessful login attempt on Facebook.

The Indus Hospital had no login page which is why we used Facebook to check for valid and invalid login attempts. The email was entered, and the password was entered. Notice how the password is first encrypted and then sent over to the browser which advocates positive feedback for a secure transfer protocol for our website security for sensitive data.

Then since access is not granted due to a wrong password, we click on forgot password. Then the reset password option is selected which asks the question, is this account yours while showing the display picture. I selected "not you" and was redirected out.

Original script:

Level	Time	Message
START	2022-11-18 20:41:48.134	Start action : click(findTestObject("Object Repository/Page_Facebook log in or sign up/button_Log in"))
INFO	2022-11-18 20:42:21.229	Unable to find the element located by 'By.xpath: //button[@id='u_0_5_gG']'. Please recheck the objects properties to make sure the desired element...
WARNING	2022-11-18 20:42:21.231	[SELF-HEALING] Failed to find element with id 'Object Repository/Page_Facebook log in or sign up/button_Log in'. Try using Self-healing.
INFO	2022-11-18 20:42:23.190	[SELF-HEALING] Failed Locator: '//button[@id='u_0_5_gG']'.
INFO	2022-11-18 20:42:25.197	[SELF-HEALING] Failed Locator: '//form[@id='u_0_2_V0']/div[2]/button'.
INFO	2022-11-18 20:42:27.619	[SELF-HEALING] Working Locator: '//*[@normalize-space(text()) and normalize-space(.)='Facebook helps you connect and share with the people in ...
INFO	2022-11-18 20:42:45.038	[SELF-HEALING] Screenshot: C:/Users/HP/Katalon Studio/Munir/Reports/Self-healing/Object Repository/Page_Facebook log in or sign up/button_...
WARNING	2022-11-18 20:42:45.117	[SELF-HEALING] The current locator of test object 'Object Repository/Page_Facebook log in or sign up/button_Log in' was broken. Propose an alter...
PASSED	2022-11-18 20:42:54.639	Object 'Object Repository/Page_Facebook log in or sign up/button_Log in' is clicked on
END	2022-11-18 20:42:54.642	End action : click(findTestObject("Object Repository/Page_Facebook log in or sign up/button_Log in"))
START	2022-11-18 20:42:54.643	Start action : click(findTestObject("Object Repository/Page_Facebook log in or sign up/a_Not you"))
PASSED	2022-11-18 20:42:58.066	Object 'Object Repository/Page_Facebook log in or sign up/a_Not you' is clicked on
END	2022-11-18 20:42:58.068	End action : click(findTestObject("Object Repository/Page_Facebook log in or sign up/a_Not you"))
START	2022-11-18 20:42:58.069	Start action : click(findTestObject("Object Repository/Page_Log in to Facebook/a_Find your account and log in"))
PASSED	2022-11-18 20:43:02.788	Object 'Object Repository/Page_Log in to Facebook/a_Find your account and log in' is clicked on
END	2022-11-18 20:43:02.789	End action : click(findTestObject("Object Repository/Page_Log in to Facebook/a_Find your account and log in"))
START	2022-11-18 20:43:02.790	Start action : click(findTestObject("Object Repository/Page_Forgotten Password Cant Log In Facebook/a_Cancel"))
PASSED	2022-11-18 20:43:06.676	Object 'Object Repository/Page_Forgotten Password Cant Log In Facebook/a_Cancel' is clicked on
END	2022-11-18 20:43:06.677	End action : click(findTestObject("Object Repository/Page_Forgotten Password Cant Log In Facebook/a_Cancel"))
START	2022-11-18 20:43:06.677	Start action : click(findTestObject("Object Repository/Page_Log in to Facebook/a_Forgotten account"))
PASSED	2022-11-18 20:43:15.269	Object 'Object Repository/Page_Log in to Facebook/a_Forgotten account' is clicked on
END	2022-11-18 20:43:15.270	End action : click(findTestObject("Object Repository/Page_Log in to Facebook/a_Forgotten account"))
PASSED	2022-11-18 20:43:15.270	Test Cases/fbfaillogin
END	2022-11-18 20:43:15.275	End Test Case : Test Cases/fbfaillogin
INFO	2022-11-18 20:43:15.276	

For the 10 script lines we receive 11 passes. All statements pass successfully even though we can note warnings which are solved by Katalon's self-healing code that detects the button of login, that too without the need to code. This test case is successful.

5. Successful login attempt on Facebook

Here we attempted to log in to the account. I input my email as seen, and again we note the set encrypted text and input our password. Which is again sent in an encrypted format. It was incorrect so we are not redirected. Then I enter the password again. Then we click the login button and this time we are redirected to the stores, reels, rooms, and page which is the Facebook feed page. This means that I successfully logged in to my account.

Automated script:

Item	Object	Input	Output
✗ 1 - Open Browser		""	
✗ 2 - Navigate To Url		"https://www.facebook.com/"	
✗ 3 - Set Text	input_Facebook helps you connect a	"johnlindth@hotmail.com"	
✗ 4 - Set Encrypted Text	input_Facebook helps you connect a	"RiVLgM9Ycm4h17BCtax5/g=="	
✗ 5 - Click	button_Log in		
✗ 6 - Double Click	a_Facebook Menu_x1i10hfl xjbqb8w		

Runs: 1/1 Passes: 1 Failures: 0 Errors: 0 Skips: 0			
	Level	Time	Message
All	START	2022-11-18 20:58:22.972	Start Test Case : Test Cases/successfb
Info	START	2022-11-18 20:58:24.190	Start action : openBrowser("")
Passed	INFO	2022-11-18 20:58:25.044	Starting 'Chrome' driver
Failed	INFO	2022-11-18 20:58:25.318	Action delay is set to 0 milliseconds
Error	RUN_DATA	2022-11-18 20:58:34.257	sessionId = 54e1e7038fc2a1b1dcb5fac6a2a6886
Warning	RUN_DATA	2022-11-18 20:58:34.504	browser = Chrome 107.0.0.0
Not Run	RUN_DATA	2022-11-18 20:58:34.505	platform = Windows 10
	RUN_DATA	2022-11-18 20:58:34.506	seleniumVersion = 3.141.59
	RUN_DATA	2022-11-18 20:58:34.508	proxyInformation = ProxyInformation { proxyOption=NO_PROXY, proxyServerType=HTTP,...
	PASSED	2022-11-18 20:58:35.068	Browser is opened with url: "
	END	2022-11-18 20:58:35.071	End action : openBrowser("")
	START	2022-11-18 20:58:35.071	Start action : navigateToUrl("https://www.facebook.com/")
	PASSED	2022-11-18 20:58:38.824	Navigate to 'https://www.facebook.com/' successfully
	END	2022-11-18 20:58:38.826	End action : navigateToUrl("https://www.facebook.com/")
	START	2022-11-18 20:58:38.826	Start action : setText(findTestObject("Object Repository/fbsucc/Page_Facebook log in or si..
	PASSED	2022-11-18 20:58:40.613	Text 'johnlindth@hotmail.com' is set on object 'Object Repository/fbsucc/Page_Facebook ..
	END	2022-11-18 20:58:40.615	End action : setText(findTestObject("Object Repository/fbsucc/Page_Facebook log in or si..
	START	2022-11-18 20:58:40.616	Start action : setEncryptedText(findTestObject("Object Repository/fbsucc/Page_Facebook I..
	PASSED	2022-11-18 20:58:41.907	Text ***** has been set on object 'Object Repository/fbsucc/Page_Facebook log in or sign.
	END	2022-11-18 20:58:41.909	End action : setEncryptedText(findTestObject("Object Repository/fbsucc/Page_Facebook I..

Runs: 1/1		Passes: 1	Failures: 0	Errors: 0	Skips: 0	
<div><div>All</div><div>Info</div><div>Passed</div><div>Failed</div><div>Error</div><div>Warning</div><div>Not Run</div></div>	Level	Time	Message			
	START	2022-11-18 20:58:40.616	Start action : setEncryptedText(findTestObject("Object Repository/fbsucc/Page_Facebook log in or sign up/button_Log in"))			
	PASSED	2022-11-18 20:58:41.907	Text ***** has been set on object 'Object Repository/fbsucc/Page_Facebook log in or sign up/button_Log in'			
	END	2022-11-18 20:58:41.909	End action : setEncryptedText(findTestObject("Object Repository/fbsucc/Page_Facebook log in or sign up/button_Log in"))			
	START	2022-11-18 20:58:41.909	Start action : click(findTestObject("Object Repository/fbsucc/Page_Facebook log in or sign up/button_Log in"))			
	INFO	2022-11-18 20:59:13.136	Unable to find the element located by 'By.xpath: //button[@id='u_0_5_J2']'. Please recheck...			
	WARNING	2022-11-18 20:59:13.138	[SELF-HEALING] Failed to find element with id 'Object Repository/fbsucc/Page_Facebook log in or sign up/button_Log in'			
	INFO	2022-11-18 20:59:13.520	[SELF-HEALING] Failed Locator: '//button[@id='u_0_5_J2']'.			
	INFO	2022-11-18 20:59:13.937	[SELF-HEALING] Failed Locator: '//form[@id='u_0_2_tA']/div[2]/button'.			
	INFO	2022-11-18 20:59:14.241	[SELF-HEALING] Working Locator: '(./)[normalize-space(text()) and normalize-space(.)='F'.			
	INFO	2022-11-18 20:59:21.838	[SELF-HEALING] Screenshot: C:/Users/HP/Katalon Studio/Munir/Reports/Self-healing/Obj...			
	WARNING	2022-11-18 20:59:21.868	[SELF-HEALING] The current locator of test object 'Object Repository/fbsucc/Page_Facebook log in or sign up/button_Log in' is click...			
	PASSED	2022-11-18 20:59:28.543	Object: 'Object Repository/fbsucc/Page_Facebook log in or sign up/button_Log in' is click...			
	END	2022-11-18 20:59:28.546	End action : click(findTestObject("Object Repository/fbsucc/Page_Facebook log in or sign up/button_Log in"))			
	START	2022-11-18 20:59:28.547	Start action : doubleClick(findTestObject("Object Repository/fbsucc/Page_(20) Facebook/About Us"))			
	INFO	2022-11-18 21:00:00.064	Unable to find the element located by 'By.xpath: //div[@id='mount_0_0_I4']/div/div/div/div[2]/div[3]/div/div[2]/div[3]/			

Runs: 1/1		Passes: 1	Failures: 0	Errors: 0	Skips: 0	
All	Level	Time	Message			
Info	WARNING	2022-11-18 20:59:21.868	[SELF-HEALING] The current locator of test object 'Object Repository/fbsucc/Page_Facebo..			
Passed	PASSED	2022-11-18 20:59:28.543	Object: 'Object Repository/fbsucc/Page_Facebook log in or sign up/button_Log in' is click.			
Failed	END	2022-11-18 20:59:28.546	End action : click(findTestObject("Object Repository/fbsucc/Page_Facebook log in or sign .			
Error	START	2022-11-18 20:59:28.547	Start action : doubleClick(findTestObject("Object Repository/fbsucc/Page_(20) Facebook/a..			
Warning	INFO	2022-11-18 21:00:00.064	Unable to find the element located by 'By.xpath: //div[@id='mount_0_0_I4']/div/div/div/di..			
	WARNING	2022-11-18 21:00:00.065	[SELF-HEALING] Failed to find element with id 'Object Repository/fbsucc/Page_(20) Faceb...			
Not Run	INFO	2022-11-18 21:00:00.512	[SELF-HEALING] Failed Locator: '//div[@id='mount_0_0_I4']/div/div/div/div[2]/div[3]/div/...			
	INFO	2022-11-18 21:00:00.896	[SELF-HEALING] Working Locator: '(./)[normalize-space(text()) and normalize-space(.)='F..			
	INFO	2022-11-18 21:00:01.094	[SELF-HEALING] Screenshot: C:/Users/HP/Katalon Studio/Munir/Reports/Self-healing/Obj..			
	WARNING	2022-11-18 21:00:01.293	[SELF-HEALING] The current locator of test object 'Object Repository/fbsucc/Page_(20) Fa...			
	PASSED	2022-11-18 21:00:01.808	Object: 'Object Repository/fbsucc/Page_(20) Facebook/a_Facebook Menu_x1i0hfl xjbqb8...			
	END	2022-11-18 21:00:01.809	End action : doubleClick(findTestObject("Object Repository/fbsucc/Page_(20) Facebook/a_...			
	PASSED	2022-11-18 21:00:01.809	Test Cases/successfb			
	END	2022-11-18 21:00:01.821	End Test Case : Test Cases/successfb			
	INFO	2022-11-18 21:00:01.822				
	INFO	2022-11-18 21:00:01.822	===== Self-healing Report =====			
INFO	2022-11-18 21:00:01.824	One of the failed test object locators has been recovered by Self-healing. Please refer to th...				
INFO	2022-11-18 21:00:01.830	To learn more about Self-healing, please read https://docs.katalon.com/katalon-studio/do...				
INFO	2022-11-18 21:00:01.832	=====				

Note since the testing tool supports a complete GUI interface, it does face some issues in locating objects. This makes it easy for the tester as now they don't need to know coding knowledge.