

Problem Statement:

Create a small web-based application by selecting relevant system environment / platform and programming languages. Narrate concise Test Plan consisting features to be tested and bug taxonomy. Narrate scripts in order to perform regression tests. Identify the bugs using Selenium WebDriver and IDE and generate test reports encompassing exploratory testing.

Abstract:

DYPIET faculty profile page is website that displays the teaches data in the form of visual tables and other essential information that needs to displayed to students and other members who want view the data.

This our mini project is getting the data from teaches and store it to the MYSQL server, and displays the data accordingly.

Software Requirements:

- Windows Xp, Windows 7(ultimate, enterprise), or Higher version
- MYSQL
- XAMP Server
- Client browser
- PHP 7.0 or greater

Hardware Components:

- Processor – i3
- Hard Disk – 5 GB
- Memory – 1GB RAM

Theory:

Selenium IDE

Selenium IDE (Integrated Development Environment) is primarily a record/run tool that a test case developer uses to develop Selenium Test cases. Selenium IDE is an easy to use tool from the Selenium Test Suite and can even be used by someone new to developing automated test cases for their web applications. One does not require any special setup to get started with Selenium IDE. You just need to add the extension of your specific browser. Selenium IDE provides you with a GUI (Graphical User Interface) for easily recording your interactions with the website.

Selenium IDE allows a user or a test case developer to create the test cases and test suites and edit it later as per their requirements. The development environment also provides the capability of converting test cases to different programming languages, which makes it easier for the user and does not mandate the need for knowing a specific programming language.

Module Description

This system has one major actor i.e. teacher itself. His/her work is to login with google credentials and fill the form. Write all necessary information and submit the form accordingly with given instructions given in the file.

- Personal Data addition
- Qualification Data addition
- Journals Data addition
- Books data addition
- Patent data addition
- Conferences data upload
- Documents data upload (CV and Photos)

User

User is the person who want to Purchase any Books. The main functions of the users are:

- User Registration
- User Login
- Check the details about us
- Fill the data
- Logout
- After login preview the previously filled data

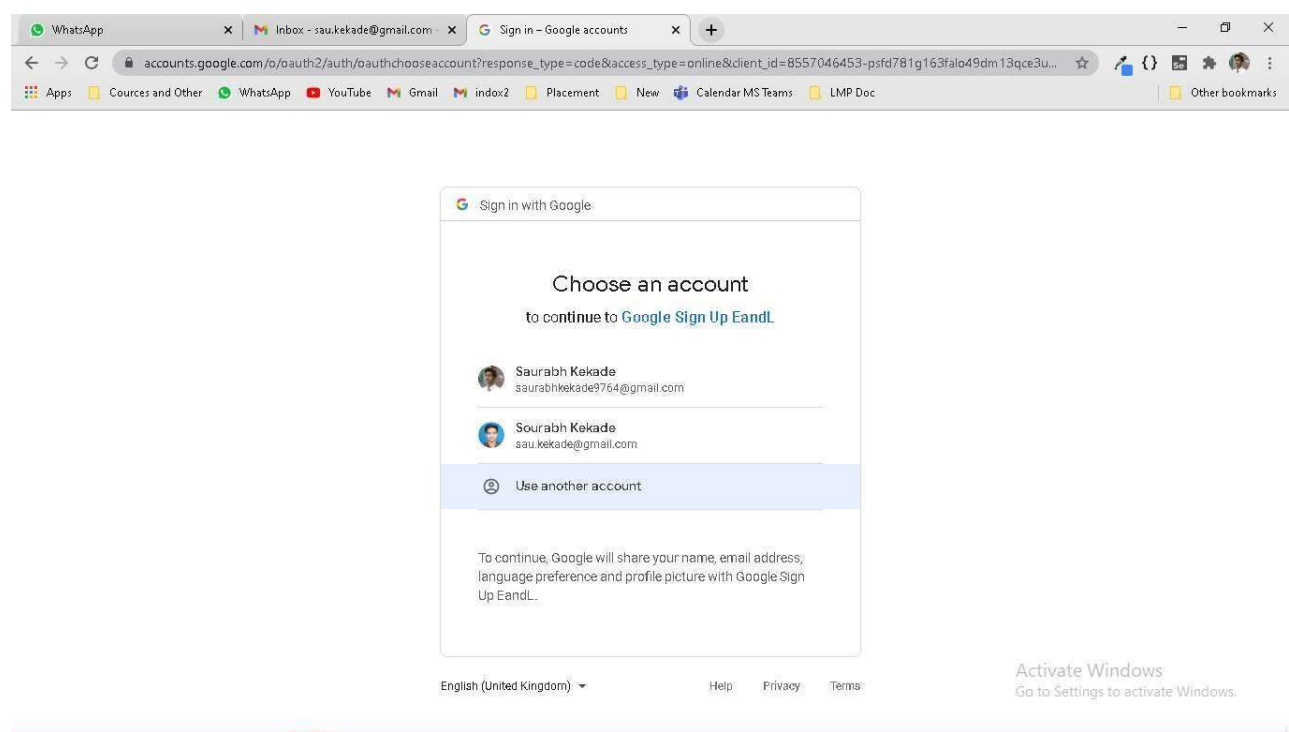
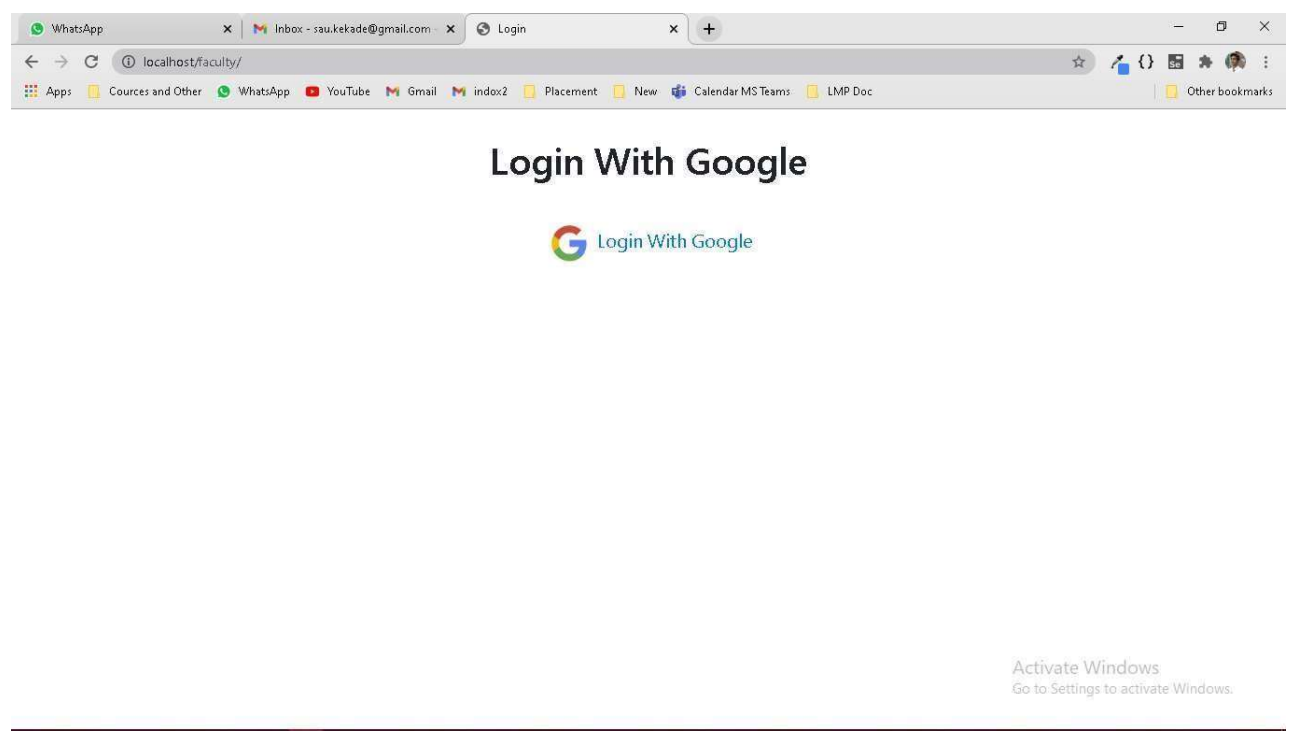
Database Table Structure :

- admin
- books
- conferences
- consultancy
- faculty
- fundedrp
- journals
- patent
- qualifications
- tbooks
- tconferences
- tconsultancy
- temp
- temp2
- tfaculty
- tfundedrp
- tjournals
- tpatent
- tqualifications

The screenshot shows the phpMyAdmin interface with the 'faculty' database selected. The 'Structure' tab is active, displaying a list of 19 tables. The left sidebar shows the database hierarchy, and the top navigation bar includes options like Structure, SQL, Search, Query, Export, Import, Operations, Privileges, Routines, Events, and More. The table list includes columns for Table, Action, Rows, Type, Collation, Size, and Overhead.

Table	Action	Rows	Type	Collation	Size	Overhead
admin	★ Browse Structure Search Insert Empty Drop	3	InnoDB	latin1_swedish_ci	16.0 KiB	-
books	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	32.0 KiB	-
conferences	★ Browse Structure Search Insert Empty Drop	5	InnoDB	latin1_swedish_ci	32.0 KiB	-
consultancy	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	32.0 KiB	-
faculty	★ Browse Structure Search Insert Empty Drop	16	InnoDB	latin1_swedish_ci	16.0 KiB	-
fundedrp	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	32.0 KiB	-
journals	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	32.0 KiB	-
patent	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	32.0 KiB	-
qualifications	★ Browse Structure Search Insert Empty Drop	7	InnoDB	latin1_swedish_ci	32.0 KiB	-
tbooks	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	32.0 KiB	-
tconferences	★ Browse Structure Search Insert Empty Drop	5	InnoDB	latin1_swedish_ci	32.0 KiB	-
tconsultancy	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	32.0 KiB	-
temp	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16.0 KiB	-
temp2	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16.0 KiB	-
tfaculty	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16.0 KiB	-
tfundedrp	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	32.0 KiB	-
tjournals	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	32.0 KiB	-
tpatent	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	32.0 KiB	-
tqualifications	★ Browse Structure Search Insert Empty Drop	8	InnoDB	latin1_swedish_ci	32.0 KiB	-
19 tables	Sum	52	InnoDB	utf8mb4_general_ci	528.0 KiB	-

ScreenShots:



WhatsApp | Inbox - saurabhkekade@gmail.com | Login

localhost/faculty/index.php?code=4%2F0AY0e-g6j4vLfCH_TxYER9Ljgvjg1LaZOmia_eovi1VMRnap0oCp9vZCZkzbzis_2VFwGCg&scope=email+profile+https%3...

Apps | Courses and Other | WhatsApp | YouTube | Gmail | indox2 | Placement | New | Calendar MS Teams | LMP Doc | Other bookmarks

Personal Details:

Name:

First Name

Last Name

Email:

saurabhkekade9764@gmail.com

Phone Number:

Phone

Department:

Select Department..

Activate Windows
Go to Settings to activate Windows.

WhatsApp | Inbox - saurabhkekade@gmail.com | Login

localhost/faculty/index.php?code=4%2F0AY0e-g6j4vLfCH_TxYER9Ljgvjg1LaZOmia_eovi1VMRnap0oCp9vZCZkzbzis_2VFwGCg&scope=email+profile+https%3...

Apps | Courses and Other | WhatsApp | YouTube | Gmail | indox2 | Placement | New | Calendar MS Teams | LMP Doc | Other bookmarks

Qualification:

Qualification

PHD

Specialization

Name of university

Name of College

Year of Passing

Activate Windows
Go to Settings to activate Windows.

Login

localhost/faculty/index.php?code=4%2F0AY0e-g7e_X-bF-IgPe56kqLn2-tQCn_sUIPUzp3-aBxyJTmsXILGTlw_u8Vzk5x...

Patent:

Patent Details

Author

Type

Year

Previous Next

Activate Windows
Go to Settings to activate Windows.

Login

localhost/faculty/index.php?code=4%2F0AY0e-g7e_X-bF-IgPe56kqLn2-tQCn_sUIPUzp3-aBxyJTmsXILGTlw_u8Vzk5x...

Conference:

Conference Details

Title

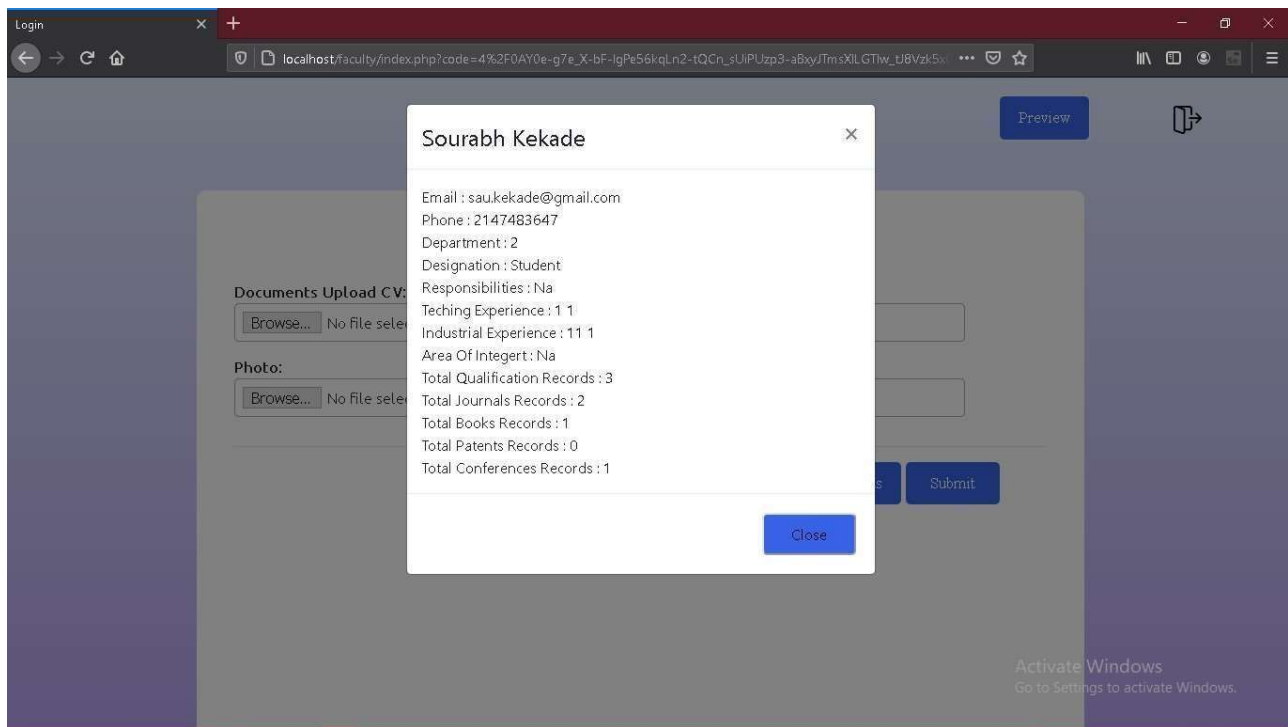
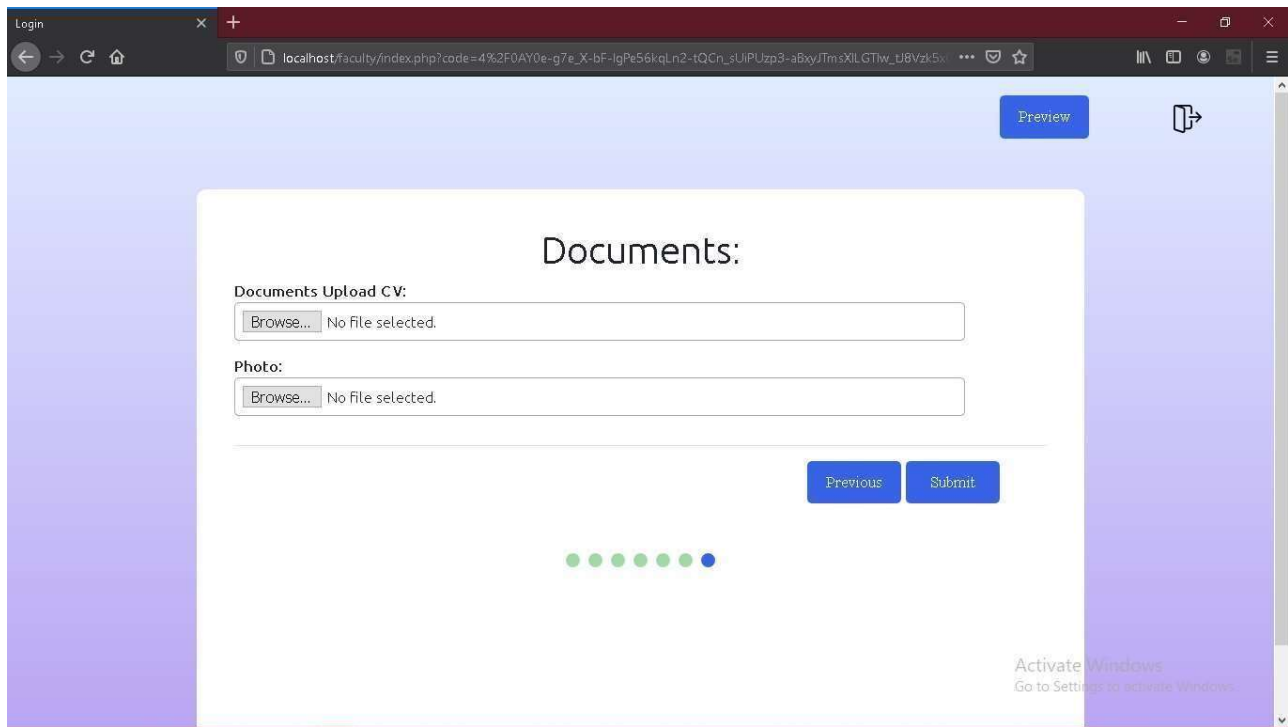
Type

Description

Year

Previous Next

Activate Windows
Go to Settings to activate Windows.



Test Cases Screenshot :

Selenium IDE - final_stqa_2_mini

Project: final_stqa_2_mini

Tests +

Search tests...

http://localhost/faculty

	Command	Target	Value
1	open	http://localhost/faculty/	
2	click	linkText=Login With Google	
3	click	id=nextBtn	
4	click	id=nextBtn	
5	click	id=nextBtn	
6	click	id=nextBtn	
7	click	id=logout	

Books_Test

Correct_Data_Fillup

Double_registration

Image_Upload_Test

Incorrect_Data_Fillup_Test

Journals_Test

Login_Logout_Test

PDF_Upload_Test

Pressing_Back_after_Login

Preview_Btn_Test

Qualification_Test

Submit_Form_Test

Command

open

#

Target

http://localhost/faculty/

Value

Description

Log

Reference

Activate Windows
Go to Settings to activate Windows.

Selenium IDE - final_stqa_2_mini

Project: final_stqa_2_mini

Test suites +

Search tests...

http://localhost/faculty

	Command	Target	Value
1	open	/faculty/	
2	set window size	1023x704	
3	click	linkText=Login With Google	
4	click	id=fname	
5	type	id=fname	S
6	click	id=lname	
7	type	id=lname	s
8	click	id=phone	
9	type	id=phone	1111111111
10	click	id=des	
11	type	id=des	Na
12	click	id=res	
13	type	id=res	Na

Data_Fillup

Correct_Data_Fillup

Incorrect_Data_Fillup_Test

Books_Test

Image_Upload_Test

Journals_Test

PDF_Upload_Test

Qualification_Test

Login_Suite

Login_Logout_Test

Preview Page

Preview_Btn_Test

Double_registration

Submit Form

Submit_Form_Test

Command

open

#

Target

/faculty/

Value

Description

Log

Reference

Activate Windows
Go to Settings to activate Windows.

Test Cases :

TEST CASE ID	TEST UNIT/CLAS S	TEST CASE	PRE-CONDITION	TEST STEP	EXPECTED RESULT	ACTUAL RESULT	STATUS
1	Login	Login via a google and logout	Open in new browser	Open localhost/faculty/ and login	With correct input login get successful	Logged in successfully	Pass
2	Personal Info	Filling incorrect personal data	Previously login and logout successfully	Fill incorrect data	The data which incorrectly inserted are getting tooltip message and next button should be disabled	Error msg displayed	Pass
3	Personal Info	Filling correct data in personal info	Previously login and logout successfully	Fill correct data	No tooltip or warning occurred and next button works fine	Correctly accepted	Pass
4	Preview Model	Preview Btn in next login	Previous login must be submit data	login again and click on preview button	After second login the preview button will be displayed	Preview button will be displayed	Pass
5	Qualification Details	Adding 2 Qualification records	Previously login and logout successfully	Go qualification page and add 2 record	Adding numbers to qualification details dynamically	records added successfully	Pass
6	Journals Details	Adding 0 journals record	Previously login and logout successfully	Go to Journals page and add 0	Adding numbers to Journals details dynamically	records added successfully	Pass
7	Books Details	Skipping books details	Previously login and logout successfully	Go books record and skip it	Adding numbers to Books details dynamically	records added successfully	Pass
8	Data Upload	Upload the resume pdf	Previously login and logout successfully	Uploading window must be open	Pdf get accepted	Pdf get accepted	Pass
9	Data Upload	Upload the photo	Previously login and logout successfully	Uploading window must be open	Image get accepted	image get accepted	Pass
10	Submit Form	Insert all data and submit form	Previously login and logout successfully	Fill all form and submit	The data will be entered	Form submitted successfully	Pass

11	Double data submit	2nd time register	You must have previously submit form	1st time registration is to be done	Error will be encountered	Error occurred	Pass
12	Login	After login Back button Pressed	Logged in first	Login into account and press back	Session will be maintained	Session maintained	Pass

Conclusion :

Successfully Tested the Website using Selenium IDE and generate test reports encompassing exploratory testing