



Details

Ver. Rel. No.	Release Date	Prepared. By	Reviewed By	To be Approved	Remarks/Revision Details
1.1	9/11/2020	Smita Senapati			Requirements
1.2	9/11/2020	Pavan SL			Design
1.3	9/11/2020	Vinay Kumar V			Test Plan
FINAL	11/11/2020	Smita Senapati, Pavan SL , Vinay Kumar V			FINAL REPORT



Contents

CONTENTS	
MINIPROJECT [TEAM]	
Module: Java and Selenium	
Topic and Subtopics	
REQUIREMENTS:	
DESIGN:	
TEST PLAN FOR AUTOMATION PROJECT	
TEST PLAN FOR JAVA PROJECT:	
Implementation Summary	
Video Summary :	
Git Link:	
Git Dashboard	
Summary	
Individual Contribution & Highlights:	
Challenges faced and how were they overcome:	
Future Scope:	
able of figures:	
Figure 1 Automation Project Structural Diagram	
Figure 2 Automation Project Behavioral diagram	
Figure 3 Java Project Behavioral Diagram	
Figure 4:GIT dashboard	
Figure 5:Maven Build	
Figure 6:Code Quality	11
,	
st of Tables:	
Table 1:High level Requirements	
Table 2:1 ow level Requirements	,



Miniproject [Team]

Module: Java and Selenium

Topic and Subtopics

JAVA Implementation- EMAIL Application
Selenium Automation- SBI Loan Application
Objectives & Requirements:
Objective is to implement core java and selenium automation concepts.

Requirements:

Table 1:High level Requirements

ID	Description
HL_01	WebDriver- WebDriver uses browser
	automation APIs provided by browser vendors
	to control browser and run tests.
HL_02	IDE- IDE (Integrated Development
	Environment) is the tool you use to develop
	your Selenium test cases.
HL_03	Grid- Selenium Grid allows you to run test
	cases in different machines across different
	platforms.
HL_04	Email generation
HL_05	Department Choice
HL_06	Should display the details

Table 2:Low level Requirements

ID Description



HL_LL_01_01	Open a SBI home loan website in chrome.
HL_LL_02_01	Automatically able to fill all the details.
HL_LL_02_02	Automatically able to submit the details.
HL_LL_04_01	First name and Last name
HL_LL_05_01	User input

Design:

UML:

Structural diagram:

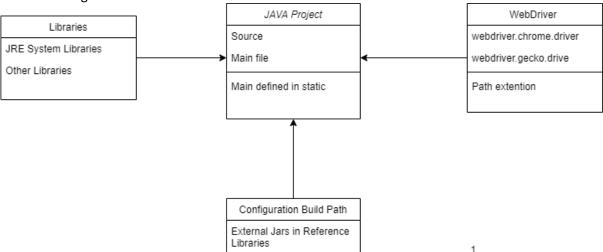


Figure 1 Automation Project Structural Diagram

Behavioral diagram:

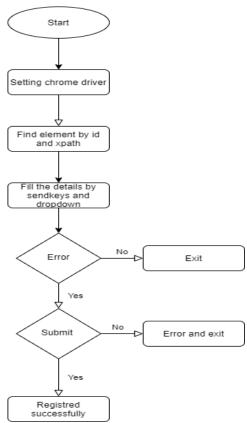


Figure 2 Automation Project Behavioral diagram

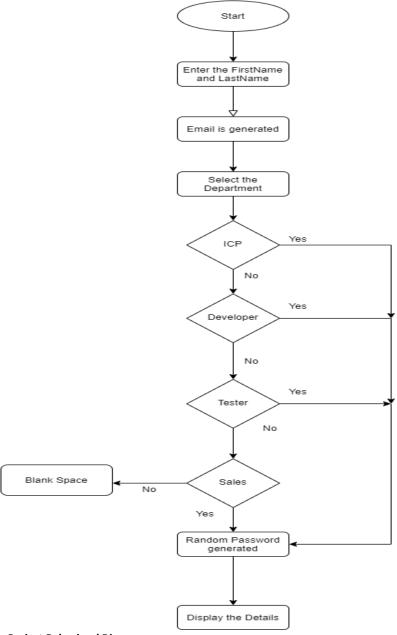


Figure 3 Java Project Behavioral Diagram



Test Plan for Automation Project

Table 3:Test Plan

No.	Test Case - ID	Test case Objective	Prerequisite	Steps	Input data	Expected Result	Actual Result	Re marks/St atus
1	TC1	Compulsory fields filling(fields with * symbol)	Website is launched	Don't fill any of the field with * symbol. Click submit button	Click submit	Form should not get submitted	Form didn't submit	Pass
2	TC-2	To validate State and their correspondin g state areas	Website is launched Select any State and random Pin code	Select any State and random Pin code	Invalid state with invalid pin	Form validation error	Form validatio n error	Pass
. 3	TC-3	To validate PAN number	Website is launched	Enter pan number	Aaaaa 9090a	Valid pan	Valid pan	Pass
	TC4	To validate mobile number	Website is launched	Enter mobile number according to mobile validation syntax	99008 87766	Valid number	Valid number	Pass
5	TC5	To validate email	Website is launched	Enter email according to email validation syntax	abcd@ gmail.c om	Valid email	Valid email	Pass
6	TC6	To validate terms and conditions	Website is launched	Click terms and conditions checkbox	Click	Submission of form allowed	Submissi on of form allowed	Pass



Test Plan for Java Project:

No.	Test Case	Test case Objective	Prerequisite	Steps	Input data	Expected Result	Actual Result	Re marks/Status
1	TC1	To validate email	Java application should run	Enter email according to email validation syntax	abcd@gmail.com	Valid email	Valid email	Pass
2	TC2	To validate mobile number	Java application should run	Enter mobile number according to mobile validation syntax	9900887766	Valid number	Valid number	Pass
3	TC3	To validate password	Java application should run	Random function Execution	Password generated by random function	Random password	Random password	Pass

Implementation Summary

We have implemented Java and selenium concepts here. Using selenium, we automated a SBI loan page and using java concepts we have developed an EMAIL application. All these things are done using eclipse IDE.

Video Summary:

A brief walkthrough of automation of SBI home-loan page

Git Link:

https://github.com/PS99002489/JAVA_MINI_PROJECT.git



Git Dashboard

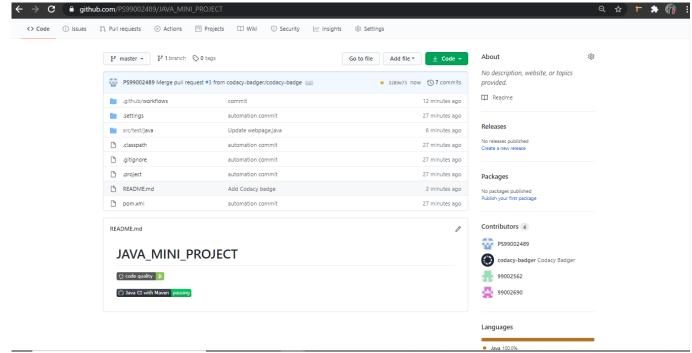


Figure 4:GIT dashboard

Summary

We have automated a SBI loan webpage by using selenium and by using java we have developed one EMAIL application where email and a random will be created for each new hire.

Build

The entire project was built in Maven Project Build Framework.

GENESIS - Learning Outcome and Mini-project Summary Report



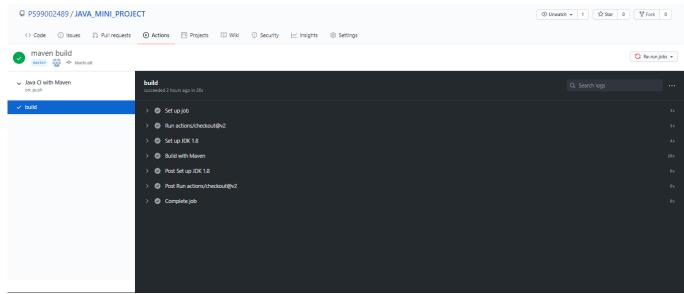


Figure 5:Maven Build

Code quality and Issues or Bug Tracking

The Quality of the code is validated in codacy and secured B grade.

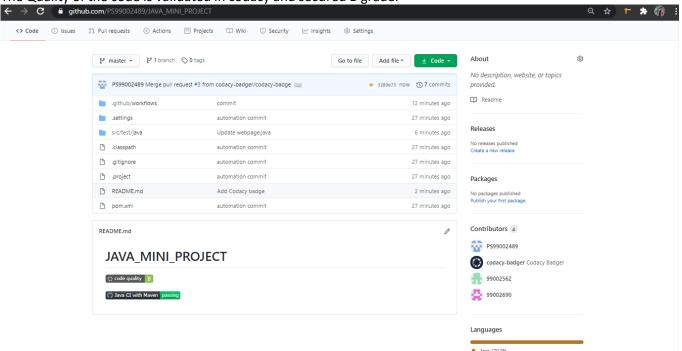


Figure 6:Code Quality

Individual Contribution & Highlights:



- Requirements was documented by Smita.
- Design was documented by Pavan.
- Test plan was documented by Vinay.

Challenges faced and how were they overcome:

- Difficulty faced while building java project in Git. Overcame this challenge by changing branch to master.
- Difficulty in automating date of birth. Overcame this challenge by giving proper Xpath.

Future Scope:

Database can be linked for the current project for storing email and password.