Insurance Project

Protractor with Cucumber

For

Liberty Mutual Insurance

# Introduction

The Insurance project aims to provide insurance agents with facility to generate and store Insurance Quotes for Cars. The client is based in UK and accordingly all conventions are as per UK standard

## Purpose

*The Purpose of this document is to outline the test cases needs to be tested on the insurance website. Participants are expected to create the project from the scratch, adding the dependencies. Folder structure needs to be maintained with classes having similar functionality under 1 package. There should be one POM created per page that is under test. POM classes should be under 1 package. Selenium test classes under different package.*

**Definitions, Acronyms, and Abbreviations**

|  |  |
| --- | --- |
| **Definition** | |
| Broker | An agent who acts an intermediary between customer and insurance company |
| Premium | Price paid for an insurance cover usually charged annually |

## Front End Details

This section describes the Front end of Insurance website.

Following is a list of module wise fields

**Edit Profile**

* Title
* Surname
* FirstName
* Phone
* DateofBirth
* Licencetype
* Licenceperiod
* Occupation
* Street
* City
* Country
* Post Code

**Request a quotation**

* Breakdowncover
* Windscreenrepair
* Vehicle
* Number Of Accidents Last Year
* Registration Number
* Total Mileage
* Estimated Value
* Parking Location
* Start of policy
* Buttons
* Calculate Premium
* Reset Form
* Save Quotation

**Retrieve quotation**

* Identification Number
* Button - Retrieve

**Profile**

* No fields, just display of information
* Submit
* Reset

## Technical Requirements

**Request a quotation**

|  |  |  |
| --- | --- | --- |
| **Technical Requirement** | **Cover Type** | **Effect on Premium** |
| T1 | No Cover | Increase by 1% |
| T2 | Roadside | Increase by 2% |
| T3 | At home | Increase by 3% |
| T4 | European | Increase by 4% |

**T5**  If Windscreen Repair selected – Increment premium by £30

**T6** If Number of Accidents Last Year is zero, 30% discount on premium

**T7**    If Total Mileage > 5000 – Increment premium by £50

**T8** If Estimate Value <100 – Do not proceed

**T9** If Parking Location is Public Place – Increment premium by £30

**Request a quotation**

**T10** A broker must see only a quotation created by him/her

## Installation & Dependencies:

Protractor project

* + all dependencies are managed through the protractor.conf.js file

Cucumber

* + BDD testing library

NodeJS:

* + For compiling javascript/typescript server-side code.

Java JDK 8

* + used for running webdriver-manager.

Visual Studio Code:

* + IDE to develop code

## Test Pattern:

Page Factory Pattern

- Create Project Object Models to represent the page locators and actions on the elements

Make sure to implement Page Object Model pattern.

Test Workflow

1. Go to <http://demo.guru99.com/insurance/v3/index.php> website
2. Click on register and it opens a new screen.
3. Enter registration details for the broker and click on Create
4. Check if password and confirm password do not match, the broker is not registered
5. When the fields are provided the broker gets registered successfully
6. Once the broker is registered successfully, login in the website
7. Enter the wrong credentials and validate the broker is unable to login
8. Enter the credentials created at the time of register and check the broker lands on the Broker Insurance webpage
9. Click on Request Quotation and enter details for car insurance
10. Check if Estimated Value not provided, clicking on calculate premium gives error
11. If all expected values provided, clicking on calculate premium displays the discount and Premium.
12. Then click on Save Quotation and the requested quotation is saved.
13. Once the quotation is created, an identification number is generated.
14. click on Retrieve Quotation and using the generated identification number, enter in the textbox and click on Retrieve.
15. Validate the quotation entered and retrieved do match.
16. Click on Logout and the broker is logged out.