AUTOMATION SOLUTION - RYANAIR PAYMENT DECLINED SCENARIO

RYANAIR

Requirement

- Please automate a booking up to a declined payment on
  - https://www.ryanair.com/ie/en/
  - Use any card number and verify the error message.
- Languages, use any one of the following methods:
- Java (maven, junit), Javascript (protractor),Ruby or Python
- Use Page Object Pattern
- Give some documentation on why you chose what you did
  - …and documentation on how to run these tests.
- Show reporting for your results

Solution: -

Solution/Automation suite location: - https://github.com/sashichotu4321/Ryanair

Approach & Technology: -

- Understood the requirements and assessed the feasibility of creating the automation suite.
- Used selenium webdriver 2.53.0 drivers with Page object model framework (POM) framework and Java as programming language.
- The requirements have been broken into modules/pages following POM framework.
- Test data driven approach by taking Microsoft excel as input file, using Apache POI approach to integrate excel with Java.
- Handle errors using exception handling techniques.
- Advanced reporting using ExtentReports. HTML file format with rich UI experience (time stamp, title, validation steps, user friendly look) and screenshots.

Tools & Technologies	Details
Operating system	Windows 10
Programming Language	Java
Automation tools	Selenium webdriver 2.53.0 & Maven
Automation framework	Page Object Model (POM) with Page Factory framework
TDD approach	Apache POI API
Reporting methodology	Advanced selenium reporting using ExtentReports (v 2.41.1)
IDE	IntelliJ IDEA v15.0.2
Browser	Mozilla Firefox v43.0.1

Test Coverage: -

The below listed validations had been covered in the solution provided.

- End to end decline message validation flow with following components/modules/pages –
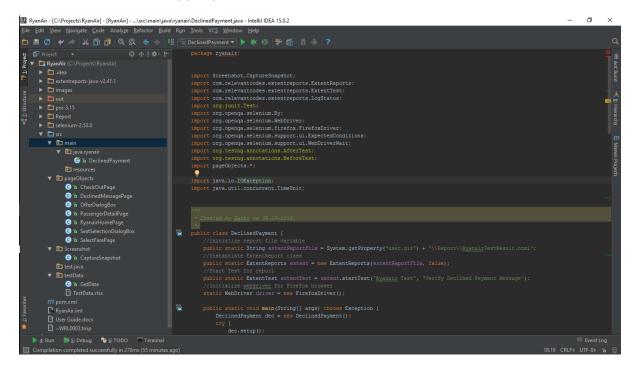 - Ryanair home page

- ➤ Flight search
- ➤ Select fare
- ➤ Select seats and check out
- ➤ Passenger & payment details

Code Snippet: -

Please find the code snippet preview in the screenshot below.

Steps to build and execute the script: -

1. Download the entire source from https://github.com/sashichotu4321/Ryanair.
2. Open it in any IDE (Eclipse or Intellij etc..). Build and run the main java class.

   Note: - You need to have Firefox browser (v 43.0.1) installed on your machine.

Report..zip

Results: -

The report shows the following details
- Project & scenario details.
- Execution start time, end time & duration.
- Validation steps with description/actions performed along with screenshots.