# BDD Cucumber TestNG Runner - Simple Form Automation

This document provides the implementation of automating the Simple Form using BDD (Cucumber) with TestNG runner. The form can be accessed at the link:  
https://v1.training-support.net/selenium/simple-form  
  
Additionally, instructions are provided to push the Cucumber project to GitHub.

## 1. Feature File (SimpleForm.feature)

Feature: Test Simple Form Submission  
   
 Scenario: Fill and submit the simple form  
 Given User is on the Simple Form page  
 When User enters the first name "John"  
 And User enters the last name "Doe"  
 And User enters the email "john.doe@example.com"  
 And User enters the contact number "9876543210"  
 And User clicks the submit button  
 Then A confirmation message should be displayed

## 2. Step Definitions (SimpleFormSteps.java)

import org.openqa.selenium.By;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.WebElement;  
import org.openqa.selenium.chrome.ChromeDriver;  
import io.cucumber.java.en.\*;  
import org.testng.Assert;  
  
public class SimpleFormSteps {  
 WebDriver driver;  
   
 @Given("User is on the Simple Form page")  
 public void openFormPage() {  
 driver = new ChromeDriver();  
 driver.get("https://v1.training-support.net/selenium/simple-form");  
 }  
  
 @When("User enters the first name {string}")  
 public void enterFirstName(String fname) {  
 driver.findElement(By.id("firstName")).sendKeys(fname);  
 }  
  
 @When("User enters the last name {string}")  
 public void enterLastName(String lname) {  
 driver.findElement(By.id("lastName")).sendKeys(lname);  
 }  
  
 @When("User enters the email {string}")  
 public void enterEmail(String email) {  
 driver.findElement(By.id("email")).sendKeys(email);  
 }  
  
 @When("User enters the contact number {string}")  
 public void enterContact(String number) {  
 driver.findElement(By.id("number")).sendKeys(number);  
 }  
  
 @When("User clicks the submit button")  
 public void clickSubmit() {  
 driver.findElement(By.cssSelector("input[type='submit']")).click();  
 }  
  
 @Then("A confirmation message should be displayed")  
 public void confirmationMessage() {  
 WebElement message = driver.findElement(By.id("message"));  
 Assert.assertTrue(message.isDisplayed());  
 driver.quit();  
 }  
}

## 3. TestNG Runner (TestRunner.java)

import io.cucumber.testng.AbstractTestNGCucumberTests;  
import io.cucumber.testng.CucumberOptions;  
  
@CucumberOptions(  
 features = "src/test/resources/features",  
 glue = {"stepDefinitions"},  
 plugin = {"pretty", "html:target/cucumber-reports.html"}  
)  
public class TestRunner extends AbstractTestNGCucumberTests {  
}

## 4. Push Project to GitHub

1. Initialize git in your project folder:  
 git init  
  
2. Add files to the staging area:  
 git add .  
  
3. Commit the changes:  
 git commit -m "Added Simple Form BDD Cucumber TestNG project"  
  
4. Add remote repository:  
 git remote add origin https://github.com/your-username/your-repo.git  
  
5. Push the project:  
 git push -u origin master