

American International University-Bangladesh

Department of Computer Science Faculty of Science & Technology (FST)

Fall 2023-24

Software Quality Assurance and Testing [B]

Project On

Test a software project with automated testing tool Selenium & take all screen sorts.

Submitted by

Name	ID	
Tonoy Chandra Sarker	20-43804-2	

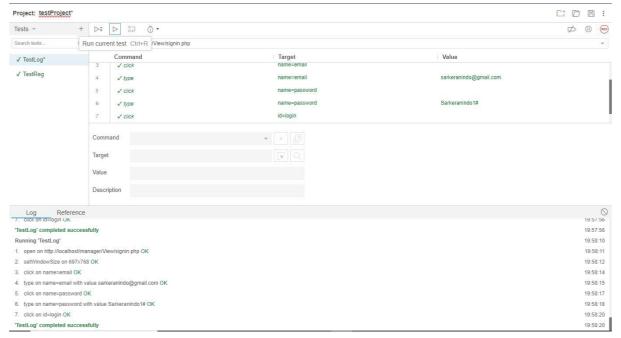
Submitted to

ABHIJIT BHOWMIK

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Test Case for Login

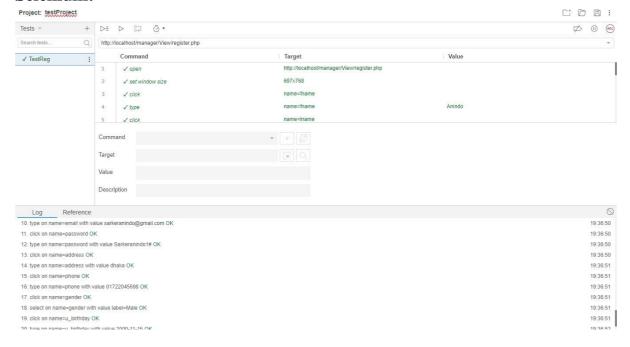
Project Name: Tourist Management System			Test Designed by: Tonoy		
Test Case_ID: TMS_1			Test Designed date: 11/11/2023		
Test Priority (Low, Medium, High): High			Test Executed by: Tonoy		
Те	Test Title: verify login with valid email address and password.			Test Execution date: 11/11/2023	
De	escription: Test	the website login page			
	Precondition: user has valid email address and password Dependencies: if any				
Те	st Steps	Test Data	Expected Results	Actual Result	Status (Pass/Fail)
	Go to the login site. Enter email address. Enter password. Click Sign in.	Email: sarkertonoy05@gmail.com Password: Sarkertonoy1#	User should login into the application	As Expected,	Pass



```
import org.openqa.selenium.remote.DesiredCapabilities;
import org.openqa.selenium.Dimension;
import org.openqa.selenium.WebElement;
import org.openga.selenium.interactions.Actions;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Alert;
import org.openqa.selenium.Keys;
import java.util.*;
import java.net.MalformedURLException;
import java.net.URL;
public class TestLogTest {
  private WebDriver driver;
  private Map<String, Object> vars;
  JavascriptExecutor js;
  @Before
 public void setUp() {
   driver = new ChromeDriver();
    js = (JavascriptExecutor) driver;
    vars = new HashMap<String, Object>();
  @After
  public void tearDown() {
    driver.quit();
  @Test
  public void testLog() {
    driver.get("http://localhost/manager/View/signin.php");
    driver.manage().window().setSize(new Dimension(697, 768));
    driver.findElement(By.name("email")).click();
    driver.findElement(By.name("email")).sendKeys("sarkeranindo@gmail.com");
    driver.findElement(By.name("password")).click();
    driver.findElement(By.name("password")).sendKeys("Sarkeranindol#");
    driver.findElement(By.id("login")).click();
  }
}
```

Test Case for Registration

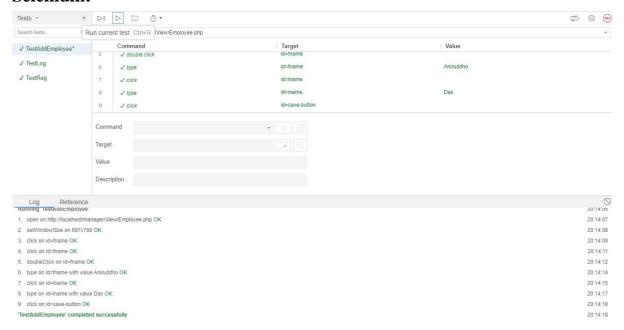
Project Name: Tourist Management System				Test Designed by: Tonoy		
Те	Test Case_ID: TMS_2				Test Designed date: 11/11/2023	
Te	Test Priority (Low, Medium, High): High				Test Executed by: Tonoy	
Те	Test Title: Verify registration with valid details			Test Execution date: 11/11/2023		
De	escription: Test	the website registration page				
Pre	econdition: use	r has valid information.				
De	Dependencies: if any					
Test Steps Test Data Expected		Expected	Actual	Status		
	1		Results	Result	(Pass/Fail)	
1.	Go to the	F_name: Anindo	User should	As	Pass	
	registration	L_name: Sarker	signup into the	Expected,		
	site.	Gender: Male	application with			
2.	2. Enter all the Dob:2000-11-15 valid		valid details			
	valid Address: dhaka					
information. Username: sarkeranindo						
3. Click Sign Phone:01722045698						
up. Email:						
	sarkeranindo@gmail.com					
		Password: Sarkeranindo1#				



```
import org.openqa.selenium.JavascriptExecutor;
import org.openga.selenium.Alert;
import org.openqa.selenium.Keys;
import java.util.*;
import java.net.MalformedURLException;
import java.net.URL;
public class TestRegTest {
 private WebDriver driver;
 private Map<String, Object> vars;
  JavascriptExecutor js;
  @Before
 public void setUp() {
   driver = new ChromeDriver();
   js = (JavascriptExecutor) driver;
   vars = new HashMap<String, Object>();
  @After
  public void tearDown() {
   driver.quit();
  @Test
  public void testReg() {
    // Test name: TestReg
    // Step # | name | target | value
    // 1 | open | http://localhost/manager/View/register.php |
    {\tt driver.get("$\underline{\tt http://localhost/manager/View/register.php");}
    // 2 | setWindowSize | 697x768 |
   driver.manage().window().setSize(new Dimension(697, 768));
    // 3 | click | name=fname |
    driver.findElement(By.name("fname")).click();
    // 4 | type | name=fname | Anindo
    driver.findElement(By.name("fname")).sendKeys("Anindo");
    // 5 | click | name=lname |
    driver.findElement(By.name("lname")).click();
    // 6 | type | name=lname | Sarker
    driver.findElement(By.name("lname")).sendKeys("Sarker");
   // 7 | click | name=uname |
    driver.findElement(By.name("uname")).click();
    // 8 | type | name=uname | sarkeranindo
   driver.findElement(By.name("uname")).sendKeys("sarkeranindo");
```

Test Case for Add Employee

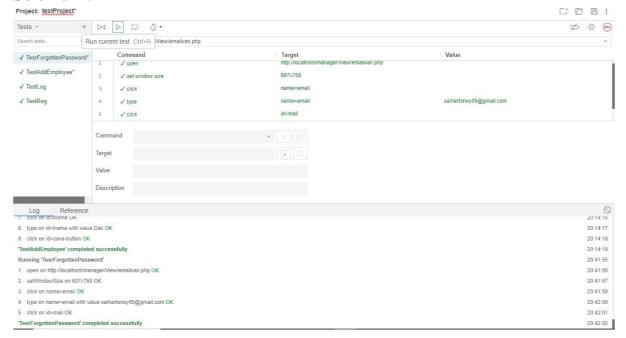
Project Name: Tourist Management System			Test Designed by: Sujoy	
Test Case_ID: TMS_	Test Designed date: 12/11/2023			
Test Priority (Low,M	Test Executed by: Sujoy			
Test Title: Add employee by manager			Test Execution date: 12/11/2023	
Description: Test the	Description: Test the add employee page			
Precondition: Manager have valid first name and last name of employee. Dependencies: if any				
Test Steps	Test Data	Expected Results	Actual Result	Status (Pass/Fail)
 Go to the homepage site. Click Employee management. Enter First name. Enter Last name. Click Save button. 	First name: Tonoy Last name: Sarker	Manager can add employee.	As Expected	Pass



```
import org.openqa.selenium.firefox.FirefoxDriver;
 import org.openga.selenium.chrome.ChromeDriver;
 import org.openqa.selenium.remote.RemoteWebDriver;
 import org.openqa.selenium.remote.DesiredCapabilities;
 import org.openqa.selenium.Dimension;
 import org.openqa.selenium.WebElement;
 import org.openqa.selenium.interactions.Actions;
 import org.openqa.selenium.support.ui.ExpectedConditions;
 import org.openga.selenium.support.ui.WebDriverWait;
 import org.openqa.selenium.JavascriptExecutor;
 import org.openqa.selenium.Alert;
 import org.openqa.selenium.Keys;
 import java.util.*;
 import java.net.MalformedURLException;
 import java.net.URL;
public class TestAddEmployeeTest {
  private WebDriver driver;
  private Map<String, Object> vars;
  JavascriptExecutor js;
  @Before
 public void setUp() {
    driver = new ChromeDriver();
    js = (JavascriptExecutor) driver;
    vars = new HashMap<String, Object>();
  - 1
  @After
  public void tearDown() {
    driver.quit();
  @Test
  public void testAddEmployee() {
    driver.get("http://localhost/manager/View/Employee.php");
    driver.manage().window().setSize(new Dimension(697, 768));
    driver.findElement(By.id("fname")).click();
    driver.findElement(By.id("fname")).click();
      WebElement element = driver.findElement(By.id("fname"));
      Actions builder = new Actions(driver);
      builder.doubleClick(element).perform();
```

Test Case for Forgotten Password

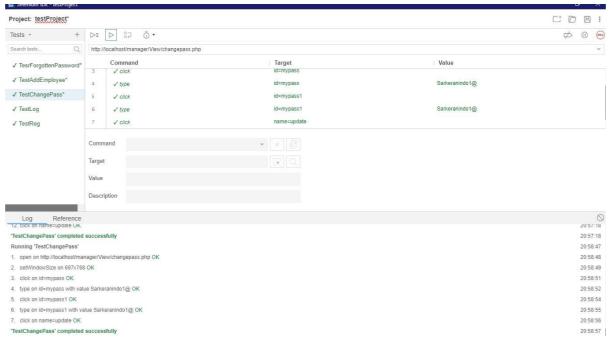
Project Name: Tourist Management System			Test Designed by: Sujoy		
Test Case_ID: TMS_4				Test Designed date: 12/11/2023	
Test Priority (Low, Medium, High): Medium			Test Executed by: Sujoy		
Test Title: Update password			Test Execution date: 12/11/2023		
Des	cription: Test the	e add Forgotten Password pa	ge.		
	Precondition: Users need his profile email address Dependencies: if any				
Test	t Steps	Test Data	Expected Results	Actual Result	Status (Pass/Fail)
 3. 4. 	Go to the sign in site. Click forgotten password button. Enter email address. Click check button.	Email: sarkeranindo@gmail.com	Manager can find his account.	As Expected,	Pass



```
import org.junit.After;
import static org.junit.Assert.*;
import static org.hamcrest.CoreMatchers.is;
import static org.hamcrest.core.IsNot.not;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
 import org.openqa.selenium.chrome.ChromeDriver;
 import org.openqa.selenium.remote.RemoteWebDriver;
import org.openqa.selenium.remote.DesiredCapabilities;
import org.openqa.selenium.Dimension;
import org.openqa.selenium.WebElement;
import org.openga.selenium.interactions.Actions;
import org.openga.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Alert;
import org.openqa.selenium.Keys;
import java.util.*;
import java.net.MalformedURLException;
import java.net.URL;
public class TesrForgottenPasswordTest {
  private WebDriver driver;
  private Map<String, Object> vars;
  JavascriptExecutor js;
  @Before
 public void setUp() {
    driver = new ChromeDriver();
    js = (JavascriptExecutor) driver;
    vars = new HashMap<String, Object>();
  @After
  public void tearDown() {
    driver.quit();
  @Test
  public void tesrForgottenPassword() {
    driver.get("http://localhost/manager/View/emailvari.php");
    driver.manage().window().setSize(new Dimension(697, 768));
    driver.findElement(By.name("email")).click();
```

Test Case for Update Password

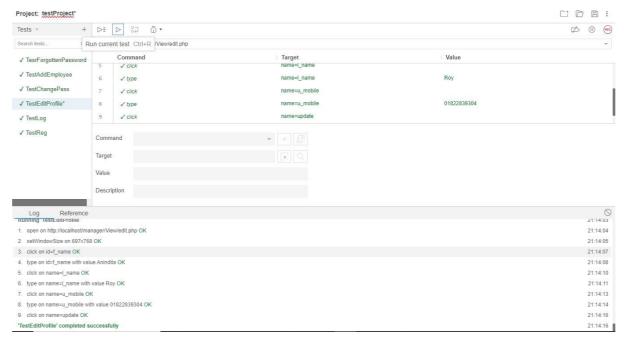
Project Name: Tourist Management System			Test Designed by: Iftier	
Test Case_ID: TMS_	Test Designed date: 13/11/2023			
Test Priority (Low, Medium, High): High			Test Executed by: Iftier	
Test Title: Update password			Test Execution date: 13/11/2023	
Description: Test the	change password page			
Precondition:				
Dependencies: if any				
Test Steps	Test Data	Expected	Actual	Status
		Results	Result	(Pass/Fail)
1. Go to the	Password:	Manager can	As	Pass
chnagePassword	Sarkeranindo1@	update his	Expected	
site.				
2. Enter Password and Confirm Password.	Sarkeranindo1@	password		
3. Click update button.				



```
import org.openqa.selenium.support.ui.ExpectedConditions;
 import org.openqa.selenium.support.ui.WebDriverWait;
 import org.openqa.selenium.JavascriptExecutor;
 import org.openga.selenium.Alert;
 import org.openqa.selenium.Keys;
 import java.util.*;
 import java.net.MalformedURLException;
 import java.net.URL;
public class TestChangePassTest {
   private WebDriver driver;
   private Map<String, Object> vars;
   JavascriptExecutor js;
   @Before
public void setUp() {
    driver = new ChromeDriver();
     js = (JavascriptExecutor) driver;
     vars = new HashMap<String, Object>();
   @After
  public void tearDown() {
    driver.quit();
   @Test
public void testChangePass() {
    driver.get("http://localhost/manager/View/changepass.php");
     driver.manage().window().setSize(new Dimension(697, 768));
     driver.findElement(By.id("mypass")).click();
     driver.findElement(By.id("mypass")).sendKeys("Sarkeranindol@");
     driver.findElement(By.id("mypassl")).click();
     driver.findElement(By.id("mypassl")).sendKeys("Sarkeranindol@");
     driver.findElement(By.name("update")).click();
}
```

Test Case for Update Profile

Project Name: Tourist Management System				Test Designed by: Iftier	
Test Case_ID: TMS_6				Test Designed date: 13/11/2023	
Test Priority (Low, Medium, High): Medium				Test Executed by: Iftier	
Test Title: Edit Profile test				Test Execution date: 13/11/2023	
	escription: Test the	edit profile page.			
Pre	econdition:				
De	pendencies: if any				
Те	st Steps	Test Data	Expected Results	Actual Result	Status (Pass/Fail)
1.	Go to the	F_name: Anindita	Manager	As	Pass
2.	Edit profile	L_name: Sarker	can edit his	Expected,	
	site.	Gender: Male	profile.		
3.	Edit the	Dob:2000-11-15			
	information	Address: dhaka			
where want to Username: sarkeranindo					
	change. Phone:01722045698				
4.	Click save	Email:			
	button. <u>sarkeranindo@gmail.com</u>				
		Password:			
		Sarkeranindo1@			



```
import org.openqa.selenium.interactions.Actions;
  import org.openqa.selenium.support.ui.ExpectedConditions;
 import org.openqa.selenium.support.ui.WebDriverWait;
 import org.openga.selenium.JavascriptExecutor;
 import org.openqa.selenium.Alert;
 import org.openqa.selenium.Keys;
 import java.util.*;
 import java.net.MalformedURLException;
 import java.net.URL;
public class TestEditProfileTest {
   private WebDriver driver;
   private Map<String, Object> vars;
   JavascriptExecutor js;
   @Before
  public void setUp() {
     driver = new ChromeDriver();
     js = (JavascriptExecutor) driver;
     vars = new HashMap<String, Object>();
   @After
   public void tearDown() {
     driver.quit();
   @Test
  public void testEditProfile() {
     driver.get("http://localhost/manager/View/edit.php");
     driver.manage().window().setSize(new Dimension(697, 768));
     driver.findElement(By.id("f name")).click();
     driver.findElement(By.id("f name")).sendKeys("Anindita");
     driver.findElement(By.name("l name")).click();
     driver.findElement(By.name("l name")).sendKeys("Roy");
     driver.findElement(By.name("u mobile")).click();
     driver.findElement(By.name("u mobile")).sendKeys("01822839304");
     driver.findElement(By.name("update")).click();
   - 1
 }
```