

American International University-Bangladesh

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

Fall 2023-24

Software Quality Assurance and Testing [B]

Assignment on

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

Submitted by

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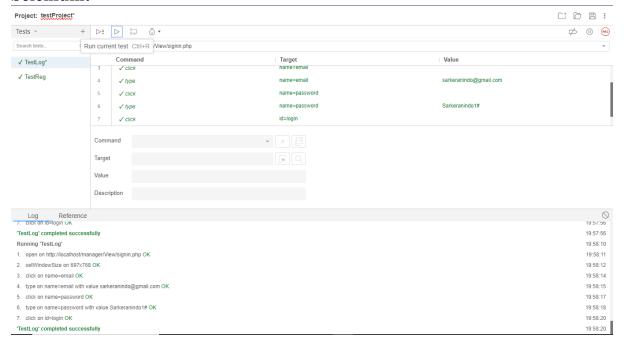
Submitted to

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Test Case for Login

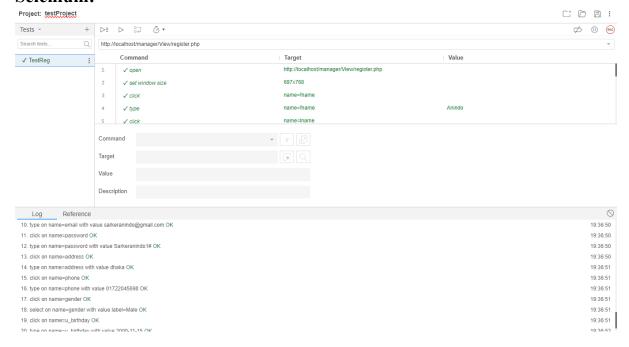
Project Name: Tourist Management System			Test Designed by: Tonoy		
Test Case_ID: TMS_1			Test Designed date: 11/11/2023		
Test Priority (Low, Medium, High): High			Test Executed by: Tonoy		
Tes	Test Title: verify login with valid email address and password.			Test Execution date: 11/11/2023	
De	scription: Test	the website login page			
	Precondition: user has valid email address and password Dependencies: if any				
Tes	st Steps	Test Data	Expected Results	Actual Result	Status (Pass/Fail)
 2. 3. 4. 	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.openqa.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

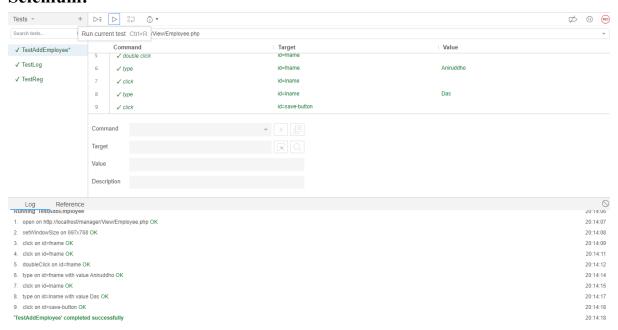
Project Name: Tourist Management System			Test Designed by: Tonoy	
Test Case_ID: TMS_2			Test Designed date: 11/11/2023	
Test Priority (Low, Medium, High): High			Test Executed by: Tonoy	
Test Title: Verify registration with valid details			Test Execution date: 11/11/2023	
	Description: Test the website registration page			
Precondition: use	er has valid information.			
Dependencies: if any				
Test Steps	Test Data	Expected Results	Actual Result	Status (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. Enter all the				
valid	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.openqa.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>();
  public void tearDown() {
   driver.quit();
  @Test
  public void testReg() {
   // Test name: TestReg
    // Step # | name | target | value
    // 1 | open | <a href="http://localhost/manager/View/register.php">http://localhost/manager/View/register.php</a> |
    driver.get("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

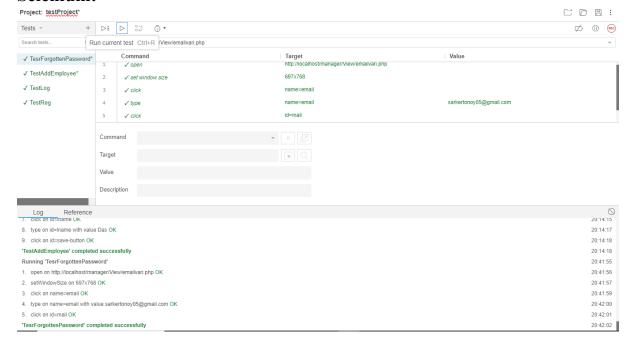
Project Name: Tourist Management System			Test Designed by: Sujoy	
Test Case_ID: TMS_3			Test Designed date: 12/11/2023	
Test Priority (Low, Medium, High): Low			Test Executed by: Sujoy	
Test Title: Add employee by manager			Test Execution date: 12/11/2023	
Description: Test the	Description: Test the 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.openga.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.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 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>();
  @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

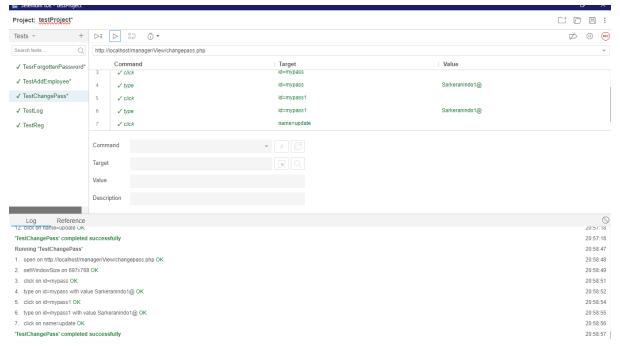
Project Name: Tourist Management System			Test Designed by: Sujoy	
Test Case_ID: TMS_4			Test Designed date: 12/11/2023	
Test Priority (Low, Medium, High): Medium			Test Executed by: Sujoy	
Test Title: Update password			Test Execution date: 12/11/2023	
Description: Test the add Forgotten Password page.				
Precondition: Users need his profile email address Dependencies: if any				
Test Steps	Test Data	Expected Results	Actual Result	Status (Pass/Fail)
 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.openga.selenium.Dimension;
import org.openga.selenium.WebElement;
import org.openqa.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 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

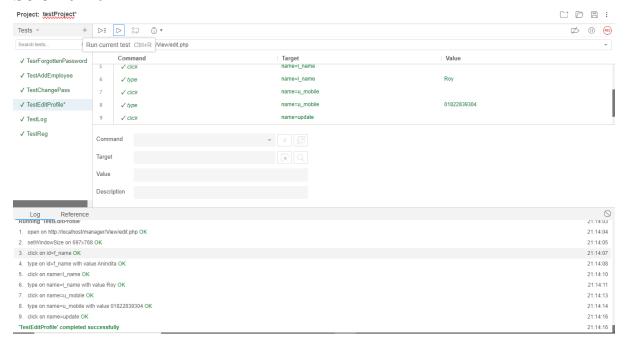
Project Name: Tourist Management System			Test Designed by: Iftier		
Test Case_ID: TMS_:	Test Case_ID: TMS_5			Test Designed date: 13/11/2023	
Test Priority (Low, Medium, High): High			Test Executed by: Iftier		
Test Title: Update password			Test Execution date: 13/11/2023		
Description: Test the	Description: Test the change password page				
Precondition: Dependencies: if any					
Test Steps	Test Data	Expected Results	Actual Result	Status (Pass/Fail)	
 Go to the chnagePassword site. Enter Password and Confirm Password. Click update button. 	Password: Sarkeranindo1@ Confirm Password: Sarkeranindo1@	Manager can update his profile password	As Expected	Pass	



```
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 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		
	Description: Test the edit profile page.				
Pre	econdition:				
De	ependencies: if any				
Tes	st Steps	Test Data	Expected	Actual	Status
			Results	Result	(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.	sarkeranindo@gmail.com			
		Password:			
		Sarkeranindo1@			



```
import org.openqa.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 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>();
   - 1
   @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();
   }
 }
```