



American International University-Bangladesh

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

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Software Quality Assurance and Testing [B]

Project 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	
Test Title: verify login with valid email address and password.			Test Execution date: 11/11/2023	
Description: Test the website login page				
Precondition: user has valid email address and password Dependencies: if any				
Test Steps	Test Data	Expected Results	Actual Result	Status (Pass/Fail)
1. Go to the login site. 2. Enter email address. 3. Enter password. 4. Click Sign in.	Email: sarkertonoy05@gmail.com Password: Sarkertonoy1#	User should login into the application	As Expected,	Pass

Selenium:

Project: testProject

Tests + [Run] [Stop] [Refresh] [Help]

Search tests... Run current test Ctrl+R View/signin.php

TestLog*

TestReg

Command	Target	Value
✓ click	name=email	
✓ type	name=email	sarkeranindo@gmail.com
✓ click	name=password	
✓ type	name=password	Sarkeranindo1#
✓ click	id=login	

Command

Target

Value

Description

Log Reference

7. click on id=login OK

19:57:56

TestLog* completed successfully

Running TestLog*

1. open on http://localhost/manager/View/signin.php OK

19:58:10

2. setWindowSize on 697x768 OK

19:58:11

3. click on name=email OK

19:58:12

4. type on name=email with value sarkeranindo@gmail.com OK

19:58:14

5. click on name=password OK

19:58:15

6. type on name=password with value Sarkeranindo1# OK

19:58:17

7. click on id=login OK

19:58:18

TestLog* completed successfully

19:58:20

Test Code:

```
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: user has valid information. Dependencies: if any				
Test Steps	Test Data	Expected Results	Actual Result	Status (Pass/Fail)
1. Go to the registration site. 2. Enter all the valid information. 3. Click Sign up.	F_name: Anindo L_name: Sarker Gender: Male Dob:2000-11-15 Address: dhaka Username: sarkeranindo Phone:01722045698 Email: sarkeranindo@gmail.com Password: Sarkeranindo1#	User should signup into the application with valid details	As Expected,	Pass

Selenium:

Project: testProject

Tests +

Search tests...

TestReg

Command	Target	Value
1. ✓ open	http://localhost/manager/View/register.php	
2. ✓ set window size	697x768	
3. ✓ click	name=fname	
4. ✓ type	name=fname	Anindo
5. ✓ click	name=lname	

Command

Target

Value

Description

Log Reference

10. type on name=email with value sarkeranindo@gmail.com OK 19:36:50

11. click on name=password OK 19:36:50

12. type on name=password with value Sarkeranindo1# OK 19:36:50

13. click on name=address OK 19:36:50

14. type on name=address with value dhaka OK 19:36:51

15. click on name=phone OK 19:36:51

16. type on name=phone with value 01722045698 OK 19:36:51

17. click on name=gender OK 19:36:51

18. select on name=gender with value label=Male OK 19:36:51

19. click on name=u_birthday OK 19:36:51

20. type on name=u_birthday with value 2000-11-15 OK 19:36:51

Test Code:

```
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>();
    }
    @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 |
        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");
        // 9 | click | name=submit |
```

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 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)
1. Go to the homepage site. 2. Click Employee management. 3. Enter First name. 4. Enter Last name. 5. Click Save button.	First name: Tonoy Last name: Sarker	Manager can add employee.	As Expected	Pass

Selenium:

Tests + [Run] [Stop] [Refresh] [Help]

Search tests... Run current test Ctrl+R /View/Employee.php

Test	Step	Command	Target	Value
✓ TestAddEmployee*	5	✓ double click	id=aname	
✓ TestLog	6	✓ type	id=aname	Aniruddho
✓ TestReg	7	✓ click	id=aname	
	8	✓ type	id=aname	Das
	9	✓ click	id=save-button	

Command: [Dropdown] [OK] [Cancel]

Target: [Text] [OK] [Cancel]

Value: [Text]

Description: [Text]

Log Reference

Running 'TestAddEmployee'

- 1. open on http://localhost/manager/View/Employee.php OK 20:14:06
- 2. setWindowSize on 697x768 OK 20:14:07
- 3. click on id=aname OK 20:14:08
- 4. click on id=aname OK 20:14:09
- 5. doubleClick on id=aname OK 20:14:10
- 6. type on id=aname with value Aniruddho OK 20:14:11
- 7. click on id=aname OK 20:14:12
- 8. type on id=aname with value Das OK 20:14:13
- 9. click on id=save-button OK 20:14:14

'TestAddEmployee' completed successfully 20:14:18

Test Code:

```
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.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)
1. Go to the sign in site. 2. Click forgotten password button. 3. Enter email address. 4. Click check button.	Email: sarkeranindo@gmail.com	Manager can find his account.	As Expected,	Pass

Selenium:

Project: testProject

Tests + [Icons]

Search tests... Run current test Ctrl+R /View/EmailVari.php

Test	Command	Target	Value
✓ TestForgottenPassword*	1. ✓ open	http://localhost/manager/view/emailVari.php	
✓ TestAddEmployee*	2. ✓ set window size	697x768	
✓ TestLog	3. ✓ click	name=email	
✓ TestReg	4. ✓ type	name=email	sarkertonoy05@gmail.com
	5. ✓ click	id=mail	

Command [Dropdown] [Icons]

Target [Dropdown] [Icons]

Value [Text]

Description [Text]

Log Reference

7. click on id=name OK 20:14:15

8. type on id=name with value Das OK 20:14:17

9. click on id=save-button OK 20:14:18

TestAddEmployee completed successfully 20:14:18

Running 'TestForgottenPassword'

1. open on http://localhost/manager/View/emailVari.php OK 20:14:55

2. setWindowSize on 697x768 OK 20:14:57

3. click on name=email OK 20:14:59

4. type on name=email with value sarkertonoy05@gmail.com OK 20:42:00

5. click on id=mail OK 20:42:01

TestForgottenPassword completed successfully 20:42:02

Test Code:

```
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.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_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 change password page				
Precondition: Dependencies: if any				
Test Steps	Test Data	Expected Results	Actual Result	Status (Pass/Fail)
1. Go to the chnagePassword site. 2. Enter Password and Confirm Password. 3. Click update button.	Password: Sarkeranindo1@ Confirm Password: Sarkeranindo1@	Manager can update his profile password	As Expected	Pass

Selenium:

Project: testProject

Tests: +

Search tests...

Test Case: TestChangePass

Command	Target	Value
click	id=myspass	
type	id=myspass	Sarkeranindo1@
click	id=myspass1	
type	id=myspass1	Sarkeranindo1@
click	name=update	

Log

Reference

12: click on name=update OK

'TestChangePass' completed successfully

Running 'TestChangePass'

1. open on http://localhost/manager/View/changePass.php OK

2. setWindowSize on 697x768 OK

3. click on id=myspass OK

4. type on id=myspass with value Sarkeranindo1@ OK

5. click on id=myspass1 OK

6. type on id=myspass1 with value Sarkeranindo1@ OK

7. click on name=update OK

'TestChangePass' completed successfully

Test Code:

```
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("mypass1")).click();
        driver.findElement(By.id("mypass1")).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.				
Precondition: Dependencies: if any				
Test Steps	Test Data	Expected Results	Actual Result	Status (Pass/Fail)
1. Go to the 2. Edit profile site. 3. Edit the information where want to change. 4. Click save button.	F_name: Anindita L_name: Sarker Gender: Male Dob:2000-11-15 Address: dhaka Username: sarkeranindo Phone:01722045698 Email: sarkeranindo@gmail.com Password: Sarkeranindo1@	Manager can edit his profile.	As Expected,	Pass

Selenium:

The screenshot shows the Selenium IDE interface. At the top, the project name is 'testProject'. Below the toolbar, there's a search bar and a 'Run current test' button. The main area displays a table of test steps for the test suite 'TestEditProfile'.

Command	Target	Value
click	name=L_name	
type	name=L_name	Roy
click	name=u_mobile	
type	name=u_mobile	01822839304
click	name=update	

Below the table, there are input fields for 'Command', 'Target', 'Value', and 'Description'. The 'Log' tab is selected, showing the execution log of the test suite.

Log Reference

Running TestEditProfile

- open on http://localhost/manager/View/edit.php OK 21:14:03
- setWindowSize on 697x768 OK 21:14:05
- click on id=L_name OK 21:14:07
- type on id=L_name with value Anindita OK 21:14:08
- click on name=L_name OK 21:14:10
- type on name=L_name with value Roy OK 21:14:11
- click on name=u_mobile OK 21:14:13
- type on name=u_mobile with value 01822839304 OK 21:14:14
- click on name=update OK 21:14:16

TestEditProfile completed successfully 21:14:18

Test Code:

```
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>();
    }
    @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();
    }
}
```