

American International University-Bangladesh (AIUB)  
Department of Computer Science  
Faculty of Science &Technology (FST)  
Summer 22 23

Section: G  
Software Quality Assurance and Testing

Blog Management System

A Report submitted

By

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Under the supervision of

FARZANA BINTE ALAM

Faculty Designation

Lecturer

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| Project Name: Blog Management System | | | Test Designed by: Tanjib Rubyat Bristy | | |
| Test Case ID: FR\_1 | | | Test Designed date: 22/04/2023 | | |
| Test Priority (Low, Medium, High): High | | | Test Executed by: Tanjib Rubyat Bristy | | |
| Module Name: Login Session | | | Test Execution date: 23/04/2023 | | |
| Test Title: verify login with valid username and password | | |  | | |
| Description: Test website login page | | |  | | |
| Precondition (If any): User must have valid username and password | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Enter username 3. Enter password 4. Click submit | Username: Tanjib  Password: Tanjib12345 | User should login into the application | | As expected, | Pass |
| Post Condition: User is validated with database and successfully login to account. The account session details are logged in the database. | | | | | |

Test case for Login:

Test Case for Registration:

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| Project Name: Blog Management System | | | Test Designed by: Ridowan Ul Alam | |
| Test Case ID: FR\_2 | | | Test Designed date: 23/04/2023 | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Muvin Mohammad | |
| Module Name: Registration Session | | | Test Execution date: 23/04/2023 | |
| Test Title: Register with valid username and password and all other criteria. | | | | |
| Description: Test website registration page | | | | |
| Precondition (If any): None | | | | |
| Test Steps | Test Data | Expected Results | Actual Results | Status (Pass/Fail) |
| 1. Go to the website. 2. Click Register button. 3. Enter name. 4. Enter email. 5. Enter date of birth 6. Enter gender. 7. Enter password. 8. Repeat password. 9. Click submit | Name: Ridowan  Email: ridowan@gmail.com  Dob: 01-02-2004  Gender: Male  Password: Ridowan12345  Repeat password: Ridowan12345 | User should register himself/herself into the application. | As expected | Pass |
| Post Condition: User is validated with database and successfully registered an account. The account session details are stored in the database. | | | | |

Test case for create post:

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| Project Name: Blog Management System | | | Test Designed by: Ridowan Ul Alam | | |
| Test Case ID: FR\_4 | | | Test Designed date: 24/04/2023 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Tanjib Rubyat Bristy | | |
| Module Name: Create Post Session | | | Test Execution date: 25/04/2023 | | |
| Test Title: Create post with title and details | | |  | | |
| Description: Test website create post page | | |  | | |
| Precondition (If any): User must have valid username and password | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website. 2. Click Create Post. 3. Enter Title. 4. Enter Details. 5. Click submit | Title: What is Testing?  Details: Testing is a process of evaluating a software. | User should create a post into the application | | As expected, | Pass |
| Post Condition: User is validated with database and successfully create a post. | | | | | |

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| Project Name: Blog Management System | | | Test Designed by: Muvin Mohammad | | |
| Test Case ID: FR\_3 | | | Test Designed date: 24/04/2023 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Ridowan Ul Alam | | |
| Module Name: Profile Update Session | | | Test Execution date: 25/04/2023 | | |
| Test Title: Update user profile with valid username, email, date of birth, and gender. | | |  | | |
| Description: Test website Profile Update page | | |  | | |
| Precondition (If any): User must have valid username and password | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website. 2. Click Update button. 3. Enter name. 4. Enter email. 5. Enter date of birth 6. Enter gender. 7. Click submit | Name: Ridowan  Email: ridowan@gmail.com  Dob: 01-02-2003  Gender: Male | User should update his/her profile of the application | | As expected, | Pass |
| Post Condition: User is validated with database and successfully update its profile. | | | | | |

Test case for update profile:

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| Project Name: Blog Management System | | | Test Designed by: Tanjib Rubyat Bristy | | |
| Test Case ID: FR\_5 | | | Test Designed date: 24/04/2028 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Muvin Mohammad | | |
| Module Name: Update Post Session | | | Test Execution date: 25/04/2023 | | |
| Test Title: Update post with title and details | | |  | | |
| Description: Test website update post page | | |  | | |
| Precondition (If any): User must have valid username and password | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website. 2. Click Update Post. 3. Enter updated Title. 4. Enter updated Details. 5. Click submit | Title: What is Testing?  Details: Testing is a process of evaluating a software. | User should update a post into the application | | As expected, | Pass |
| Post Condition: User is validated with database and successfully update a post. | | | | | |

Test case for update post:

**Test script for** **User Login:**

package com.company;  
  
import org.openqa.selenium.By;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.chrome.ChromeDriver;  
  
public class UserLogin {  
  
 public static void main(String[] args) throws InterruptedException {  
 // System Property for Chrome Driver  
 System.*setProperty*("webdriver.chrome.driver","D:\\Aiub 7\\SQT\\Fina;\\chromedriver.exe");  
  
 // Instantiate a ChromeDriver class.  
 WebDriver driver=new ChromeDriver();  
  
 // Launch Website  
 driver.navigate().to("http://localhost/Blogging/view/home.php");  
  
 //Maximize the browser  
 driver.manage().window().maximize();  
  
 driver.get("http://localhost/Blogging/View/login.php");  
 driver.findElement(By.*id*("form3Example3")).sendKeys("Tanjib Bristy");;  
 driver.findElement(By.*id*("form3Example4")).sendKeys("Tanjib12345");;  
  
 driver.findElement(By.*className*("btn")).click();  
 Thread.*sleep*(4000);  
 driver.quit();  
 }  
  
}

**Test script for** **User Registration:**

package com.company;  
  
import org.openqa.selenium.By;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.chrome.ChromeDriver;  
  
public class UserRegistration {  
  
 public static void main(String[] args) throws InterruptedException {  
 // System Property for Chrome Driver  
 System.*setProperty*("webdriver.chrome.driver","D:\\Aiub 7\\SQT\\Fina;\\chromedriver.exe");  
  
 // Instantiate a ChromeDriver class.  
 WebDriver driver=new ChromeDriver();  
  
 // Launch Website  
 driver.navigate().to("http://localhost/Blogging/view/home.php");  
  
 //Maximize the browser  
 driver.manage().window().maximize();  
  
 driver.get("http://localhost/Blogging/View/register.php");  
 driver.findElement(By.*id*("name")).sendKeys("Muvin Mohammad");  
 driver.findElement(By.*id*("email")).sendKeys("muvin@gmail.com");  
 driver.findElement(By.*id*("dob")).sendKeys("03/03/2000");  
 driver.findElement(By.*id*("male")).sendKeys("male");  
 driver.findElement(By.*id*("password")).sendKeys("Muvin12345");  
 driver.findElement(By.*id*("cnfrmPass")).sendKeys("Muvin12345");  
  
 driver.findElement(By.*className*("btn")).click();  
  
 Thread.*sleep*(4000);  
 driver.quit();  
 }  
  
}

**Test script for** **Update Profile:**

package com.company;  
  
import org.openqa.selenium.By;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.chrome.ChromeDriver;  
  
public class UpdateProfile {  
  
 public static void main(String[] args) throws InterruptedException {  
 // System Property for Chrome Driver  
 System.*setProperty*("webdriver.chrome.driver","D:\\Aiub 7\\SQT\\Fina;\\chromedriver.exe");  
  
 // Instantiate a ChromeDriver class.  
 WebDriver driver=new ChromeDriver();  
 //Maximize the browser  
 driver.manage().window().maximize();  
  
 driver.get("http://localhost/Blogging/View/login.php");  
 driver.findElement(By.*id*("form3Example3")).sendKeys("Ridowan Sajid");;  
 driver.findElement(By.*id*("form3Example4")).sendKeys("Ridowan12345");;  
  
 driver.findElement(By.*className*("btn")).click();  
 driver.get("http://localhost/Blogging/View/updateprofile.php");  
 driver.findElement(By.*name*("name")).clear();  
 driver.findElement(By.*name*("name")).sendKeys("Ridowan Sajid12");  
 driver.findElement(By.*name*("email")).clear();  
 driver.findElement(By.*name*("email")).sendKeys("sajid@gmail.co");  
// driver.findElement(By.name("dob")).sendKeys("03/03/2000");  
// driver.findElement(By.name("gender")).sendKeys("male");  
  
  
 driver.findElement(By.*className*("btn")).click();  
 Thread.*sleep*(4000);  
 driver.quit();  
  
 }  
  
}

**Test script for** **Create Post:**

package com.company;  
  
import org.openqa.selenium.By;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.chrome.ChromeDriver;  
  
public class CreatePost {  
  
 public static void main(String[] args) throws InterruptedException {  
 // System Property for Chrome Driver  
 System.*setProperty*("webdriver.chrome.driver","D:\\Aiub 7\\SQT\\Fina;\\chromedriver.exe");  
  
 // Instantiate a ChromeDriver class.  
 WebDriver driver=new ChromeDriver();  
 //Maximize the browser  
 driver.manage().window().maximize();  
  
 driver.get("http://localhost/Blogging/View/login.php");  
 driver.findElement(By.*id*("form3Example3")).sendKeys("Tanjib Bristy");;  
 driver.findElement(By.*id*("form3Example4")).sendKeys("Tanjib12345");;  
  
 driver.findElement(By.*className*("btn")).click();  
 driver.get("http://localhost/Blogging/View/createpost.php");  
 driver.findElement(By.*name*("title")).sendKeys("What is Football?");  
 driver.findElement(By.*name*("details")).sendKeys("Football is the most popular game in the world.");  
 driver.findElement(By.*className*("btn")).click();  
 Thread.*sleep*(4000);  
 driver.quit();  
  
 }  
  
}

**Test script for** **Update Post:**

package com.company;  
  
import org.openqa.selenium.By;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.WebElement;  
import org.openqa.selenium.chrome.ChromeDriver;  
import org.openqa.selenium.interactions.Actions;  
  
public class UpdatePost {  
  
 public static void main(String[] args) throws InterruptedException {  
  
 // System Property for Chrome Driver  
  
 System.*setProperty*("webdriver.chrome.driver","D:\\Aiub 7\\SQT\\Fina;\\chromedriver.exe");  
  
 // Instantiate a ChromeDriver class.  
 WebDriver driver=new ChromeDriver();  
 //Maximize the browser  
  
 driver.manage().window().maximize();  
  
 driver.get("http://localhost/Blogging/Admin/AdminLogin.php");  
 driver.findElement(By.*id*("form3Example3")).sendKeys("Admin");;  
 driver.findElement(By.*id*("form3Example4")).sendKeys("Admin12345");;  
 driver.findElement(By.*className*("btn")).click();  
  
 driver.get("http://localhost/Blogging/Admin/AdminControlPost.php");  
 driver.findElement(By.*name*("update")).click();  
 driver.findElement(By.*name*("title")).clear();  
 driver.findElement(By.*name*("title")).sendKeys("What is Ja?");

// driver.findElement(By.name("details")).clear();  
// driver.findElement(By.name("details")).sendKeys("Java is a programming language");  
 Thread.*sleep*(300);  
 driver.findElement(By.*className*("btn")).click();  
   
 Thread.*sleep*(4000);  
 driver.quit();  
  
 }  
  
}