

Capstone Project: Testing a Healthcare Website

Project objective:

This project requires end-to-end development of a comprehensive QA and test environment for a healthcare website. This QA and test environment should be inclusive of the following testing layers:

1. Browser-based end user testing using Selenium WebDriver
 2. Unit testing for back-end elements of the website using TestNG
 3. API testing with Postman on AWS cloud
 4. Automating the whole testing process by a Jenkins job

The end-deliverables will be executable scripts and modules, which can be run on demand to test the web app.

Pom.xml

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer View:** Shows the project structure:
 - medicare (Deployment Descriptor)
 - JAX-WS Web Services
 - Java Resources (Browsers)
 - build
 - src
 - main
 - ImportedClasses
 - java
 - net
 - connection.properties
 - logback.xml
 - webapp
 - medicarebackend
 - target
 - MySQL-DatabaseQueries.sql
 - medicare_Capstone_Project
 - src/main/java
 - src/test/java
 - JRE System Library [JavaSE-1.7]
 - Maven Dependencies
 - JUnit 4
 - TestNG
 - src
 - target
 - Servers
 - Tomcat v8.5 Server at localhost-config
- POM.xml Content:** The code block shows the XML content of the pom.xml file for the medicarebackend project.
- Outline View:** Shows the project structure and dependency tree.
- Bottom Status Bar:** Displays the current terminal command and its output.

```
<dependency>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>4.12</version>
    <scope>test</scope>
</dependency>
<!-- https://mvnrepository.com/artifact/com.github.bonigarcia/webdrivermanager -->
<dependency>
    <groupId>io.github.bonigarcia</groupId>
    <artifactId>webdrivermanager</artifactId>
    <version>5.5.3</version>
</dependency>
<!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->
<dependency>
    <groupId>org.seleniumhq.selenium</groupId>
    <artifactId>selenium-java</artifactId>
    <version>4.17.0</version>
</dependency>
<!-- SPRING -->
<dependency>
    <groupId>org.springframework</groupId>
    <artifactId>spring-core</artifactId>
    <version>${spring.version}</version>
    <exclusions>
        <exclusion>
            <groupId>commons-logging</groupId>
            <artifactId>commons-logging</artifactId>
        </exclusion>
    </exclusions>
</dependency>
<dependency>
    <groupId>org.springframework</groupId>
```

Connection.properties:

healthcare_Medicare - medicare/src/main/java/connection.properties - Eclipse IDE

```

File Edit Navigate Search Project Run Window Help
Project Explorer X connection.p... medicare/s... Edit_page_... Manage_prod... Payment_pag... Signup.addr...
Deployment Descriptor: medicare
JAX-WS Web Services
Java Resources
Browsers
build
src
main
ImportedClasses
java
net
connection.properties
logback.xml
webapp
medicarebackend
target
MySQL-DatabaseQueries.sql
pom.xml
medicare_Capstone_Project
src/main/java
src/test/java
JRE System Library [JavaSE-1.7]
Maven Dependencies
JUnit 4
TestNG
src
target
pom.xml
Servers
Tomcat v8.5 Server at localhost-config

```

connection.p... medicare/s... Edit_page_... Manage_prod... Payment_pag... Signup.addr...

```

1 jdbc.url=jdbc:mysql://localhost/medicare?verifyServerCertificate=false&useSSL=false
2 jdbc.driver=com.mysql.cj.jdbc.Driver
3 jdbc.dialect=org.hibernate.dialect.MySQL5Dialect
4 jdbc.username=root
5 jdbc.password=root

```

Outline X There is no active editor that provides an outline.

Problems Servers Terminal Data Source Explorer Properties Console X
<terminated> C:\Program Files\Java\jdk-17\bin\javaw.exe [08-Feb-2024, 11:01:37 pm] [pid: 7208]

Writable Insert 5 : 19 : 207

Edit page.java

healthcare_Medicare - medicare_Capstone_Project/src/test/java/medicare_admin/Edit_page.java - Eclipse IDE

```

File Edit Source Refactor Source Navigate Search Project Run Window Help
Project Explorer X connection.p... medicare/s... Edit_page_... Manage_prod... Payment_pag... Signup.addr...
Deployment Descriptor: medicare
JAX-WS Web Services
Java Resources
Browsers
build
src
medicare
Deployment Descriptor: medicare
JAX-WS Web Services
Java Resources
Browsers
build
src
medicare_Capstone_Project
src/main/java
src/test/java
medicare_admin
Edit_page.java
Enduser_login_Page.java
Login_admin_page.java
Login_page.java
Manage_product_page.java
package_info.java
Register_page.java
Signup.address.java
medicare_admin.test
medicarepage
JRE System Library [JavaSE-1.7]
Maven Dependencies
JUnit 4
TestNG
src
target
pom.xml
Servers
Tomcat v8.5 Server at localhost-config

```

connection.p... medicare/s... Edit_page_... Manage_prod... Payment_pag... Signup.addr...

```

1 package medicare.admin;
2 import org.openqa.selenium.WebElement;
3 public class Edit_page {
4     public static WebElement editbutton;
5     @FindBy(xpath="//*[@id=\"productsTable\"]/tbody/tr[1]/td[8]/a/span")
6     public static WebElement editbutton1;
7     @FindBy(xpath="//input[@id='unitPrice\\\"\\"]")
8     public static WebElement unit_price;
9     @FindBy(xpath="//input[@id='quantity\\\"\\"]")
10    public static WebElement quantity;
11    @FindBy(xpath="//input[@type='submit'][1]")
12    public static WebElement save;
13    @FindBy(xpath="//div[@class='sliderround'][1]")
14    public static WebElement enable;
15    @FindBy(xpath="//button[@data-bb-handler='confirm']")
16    public static WebElement saveok;
17    @FindBy(xpath="//button[@data-bbhandler='ok']")
18    public static WebElement ok;
19    @FindBy(xpath="//span[@class='caret']")
20    public static WebElement logout;
21    @FindBy(xpath="//a[@href='/medicare/logout']")
22    public static WebElement logoutbutton;
23    @FindBy(xpath="//*[@id='listProducts']/a")
24    public static WebElement View_Product;
25    @FindBy(xpath="//input[@type='search']")
26    public static WebElement search;
27    @FindBy(xpath="//*[@id='productListTable_length']/label/select")
28    public static WebElement filter;
29    @FindBy(xpath="//option[@value='3']")
30    public static WebElement option;
31    @FindBy(xpath="//*[@id='productListTable']/tbody/tr[2]/td[6]/a[2]")
32    public static WebElement add;
33    @FindBy(xpath="//*[@id='cart']/tfoot/tr[2]/td[1]/a")
34    public static WebElement checkout;
35    public static WebElement continueshop;
36    @FindBy(xpath="//*[@id='productListTable']/tbody/tr[5]/td[6]/a[2]/span")

```

Outline X medicare_admin
Edit_page
editbutton : WebElement
unit_price : WebElement
quantity : WebElement
save : WebElement
enable : WebElement
ok : WebElement
logout : WebElement
View_Product : WebElement
search : WebElement
filter : WebElement
option : WebElement
add : WebElement
continueshop : WebElement
add1 : WebElement
add2 : WebElement
checkout : WebElement
Register : WebElement
logout1 : WebElement
logout2 : WebElement
Register1 : WebElement
Registerpage : WebElement
Firstname : WebElement
Lastname : WebElement
Email1 : WebElement

Problems Servers Terminal Data Source Explorer Properties Console X
<terminated> C:\Program Files\Java\jdk-17\bin\javaw.exe [08-Feb-2024, 11:01:37 pm] [pid: 7208]

Writable Smart Insert 1 : 1 : 0

healthcare_Medicare - medicare_Capstone_Project/src/test/java/medicare_admin/Edit_page.java - Eclipse IDE

```

File Edit Source Refactor Source Navigate Search Project Run Window Help
Project Explorer Editors Task List Problems Servers Terminal Data Source Explorer Properties Console
connection.p... medicare.s... Edit_page_... Manage_prod... Payment_pag... Edit_page.java x
33 public static WebElement add;
34 @FindBy(xpath="//*[@id='cart']//tfoot/tr[2]/td[1]/a ")
35 public static WebElement continueshop;
36 @FindBy(xpath="//*[@id='productListTable']//tbody/tr[5]/td[6]/a[2]/span")
37 public static WebElement add2;
38 @FindBy(xpath="//*[@id='cart']//tfoot/tr[2]/td[4]/a ")
39 public static WebElement checkout;
40 @FindBy(xpath="//html/body/div/div[1]/div/div[4]/a ")
41 public static WebElement Register;
42 @FindBy(xpath="//*[@id='dropdownMenu1'] ")
43 public static WebElement Logout;
44 @FindBy(xpath="//*[@id='logout'] ")
45 public static WebElement Logout2;
46 @FindBy(xpath="//html/body/div/div[1]/div/div[2]/div/div[3]/div/a ")
47 public static WebElement Register1;
48 @FindBy(xpath="//html/body/div/div[1]/div/div[2]/div/div[3]/div/a ")
49 public static WebElement Registerpage;
50 @FindBy(xpath="//*[@id='firstName'] ")
51 public static WebElement Lastname;
52 @FindBy(xpath="//*[@id='lastName'] ")
53 public static WebElement Firstname;
54 @FindBy(xpath="//*[@id='email'] ")
55 public static WebElement Email;
56 @FindBy(xpath="//*[@id='contactNumber'] ")
57 public static WebElement contactno;
58 @FindBy(xpath="//*[@id='confirmPassword'] ")
59 public static WebElement confirmPassword;
60 @FindBy(xpath="//*[@id='registerForm']//div[8]/div/button")
61 public static WebElement billig;
62 @FindBy(xpath="//*[@id='addressLineOne'] ")
63 public static WebElement addressline1;
64 @FindBy(xpath="//*[@id='addressLineTwo'] ")
65 public static WebElement addressline2;
66 @FindBy(xpath="//*[@id='city'] ")
67 public static WebElement city1;
68 @FindBy(xpath="//*[@id='postalCode'] ")
69 public static WebElement code1;
70 @FindBy(xpath="//*[@id='state'] ")
71 public static WebElement state;
72 @FindBy(xpath="//*[@id='country'] ")
73 public static WebElement country1;
74 @FindBy(xpath="//*[@id='billingForm']//div[7]/div/button[2] ")
75 public static WebElement contactno1;
76 @FindBy(xpath="//*[@id='confirmPassword'] ")
77 public static WebElement confirmPassword1;
78 @FindBy(xpath="//*[@id='registerForm']//div[8]/div/button")
79 public static WebElement billig1;
80 @FindBy(xpath="//*[@id='addressLineOne'] ")
81 public static WebElement addressline11;
82 @FindBy(xpath="//*[@id='addressLineTwo'] ")
83 public static WebElement addressline21;
84 @FindBy(xpath="//*[@id='city'] ")
85 public static WebElement city11;
86 @FindBy(xpath="//*[@id='postalCode'] ")
87 public static WebElement code11;
88 @FindBy(xpath="//*[@id='state'] ")
89 public static WebElement state1;
90 @FindBy(xpath="//*[@id='country'] ")
91 public static WebElement country11;
92 @FindBy(xpath="//*[@id='dropdownMenu1'] ")
93 public static WebElement Logout1;
94 @FindBy(xpath="//*[@id='logout'] ")
95 public static WebElement Logout2;
96 @FindBy(xpath="//*[@id='dropdownMenu1'] ")
97 public static WebElement Logout3;
98 @FindBy(xpath="//*[@id='dropdownMenu1'] ")
99 public static WebElement Logout4;

```

healthcare_Medicare - medicare_Capstone_Project/src/test/java/medicare_admin/Edit_page.java - Eclipse IDE

```

File Edit Source Refactor Source Navigate Search Project Run Window Help
Project Explorer Editors Task List Problems Servers Terminal Data Source Explorer Properties Console
connection.p... medicare.s... Edit_page_... Manage_prod... Payment_pag... Edit_page.java x
66 @FindBy(xpath="//*[@id='contactNumber'] ")
67 public static WebElement contactno;
68 @FindBy(xpath="//*[@id='password'] ")
69 public static WebElement password;
70 @FindBy(xpath="//*[@id='confirmPassword'] ")
71 public static WebElement confirmPassword;
72 @FindBy(xpath="//*[@id='registerForm']//div[8]/div/button")
73 public static WebElement billig;
74 @FindBy(xpath="//*[@id='addressLineOne'] ")
75 public static WebElement addressline1;
76 @FindBy(xpath="//*[@id='addressLineTwo'] ")
77 public static WebElement addressline2;
78 @FindBy(xpath="//*[@id='city'] ")
79 public static WebElement city1;
80 @FindBy(xpath="//*[@id='postalCode'] ")
81 public static WebElement code1;
82 @FindBy(xpath="//*[@id='state'] ")
83 public static WebElement state;
84 @FindBy(xpath="//*[@id='country'] ")
85 public static WebElement country1;
86 @FindBy(xpath="//*[@id='dropdownMenu1'] ")
87 public static WebElement Logout1;
88 @FindBy(xpath="//*[@id='dropdownMenu1'] ")
89 public static WebElement Logout2;
90 @FindBy(xpath="//*[@id='dropdownMenu1'] ")
91 public static WebElement Logout3;
92 @FindBy(xpath="//*[@id='dropdownMenu1'] ")
93 public static WebElement Logout4;

```

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer View:** Shows the project structure:
 - medicare
 - Deployment Descriptor: medicare
 - JAX-WS Web Services
 - Java Resources
 - Browsers
 - build
 - src- medicare_Capstone_Project
- src/main/java
- src/test/java
 - medicare_admin
 - Edit_page.java
 - Enduser_login_Page.java
 - Login_admin_page.java
 - Login_page.java
 - Manage_product_page.java
 - package_info.java
 - Register_page.java
 - Singup_address.java
 - medicare_admin_test
 - edicarepage
- JRE System Library [JavaSE-1.7]
- Maven Dependencies
- JUnit 4
- TestNG
- src
- target
- pom.xml
- Servers
- Tomcat v8.5 Server at localhost-config

Code Editor View: The code editor displays the `Edit_page.java` file with the following content:

```
connection... medicare/src Edit_page... Manage_prod... Payment_pag... Edit_page.java
71
72 public static WebElement password;
73
74
75@FindBy(xpath="//*[@id=\"confirmPassword\"]")
76 public static WebElement confirmpass;
77
78@FindBy(xpath="//*[@id=\"registerForm\"]//div[8]/div/button")
79
80 public static WebElement billig;
81
82@FindBy(xpath="//*[@id=\"addressLineOne\"] ")
83 public static WebElement addressline1;
84
85@FindBy(xpath="//*[@id=\"addressLineTwo\"] ")
86
87 public static WebElement addressline2;
88
89
90@FindBy(xpath="//*[@id=\"city\"]")
91 public static WebElement city;
92@FindBy(xpath="//*[@id=\"postalCode\"]")
93
94 public static WebElement code1;
95@FindBy(xpath="//*[@id=\"state\"]")
96 public static WebElement state;
97@FindBy(xpath="//*[@id=\"country\"]")
98 public static WebElement country;
99@FindBy(xpath="//*[@id=\"billingForm\"]//div[7]/div/button[2]")
100 public static WebElement confirm1;
101@FindBy(xpath="//html/body/div[2]/div[1]/div/div[2]/div/div/a")
102 public static WebElement confirn2;
103
104
105
```

Outline View: The outline view shows the class hierarchy for `medicare_admin` and `Edit_page`:

- medicare_admin
 - editbutton : WebElement
 - unit_price : WebElement
 - quantity : WebElement
 - save : WebElement
 - enable : WebElement
 - saveok : WebElement
 - ok : WebElement
 - logout : WebElement
 - logoutbutton : WebElement
 - View_Product : WebElement
 - search : WebElement
 - filter : WebElement
 - option : WebElement
 - add : WebElement
 - continueshop : WebElement
 - add1 : WebElement
 - add2 : WebElement
 - checkout : WebElement
 - Register : WebElement
 - logout1 : WebElement
 - logout2 : WebElement
 - Register1 : WebElement
 - Registerpage : WebElement
 - Firstrname : WebElement
 - Lastname : WebElement
 - Email1 : WebElement
- Edit_page
 - editbutton : WebElement
 - unit_price : WebElement
 - quantity : WebElement
 - save : WebElement
 - enable : WebElement
 - saveok : WebElement
 - ok : WebElement
 - logout : WebElement
 - logoutbutton : WebElement
 - View_Product : WebElement
 - search : WebElement
 - filter : WebElement
 - option : WebElement
 - add : WebElement
 - continueshop : WebElement
 - add1 : WebElement
 - add2 : WebElement
 - checkout : WebElement
 - Register : WebElement
 - logout1 : WebElement
 - logout2 : WebElement
 - Register1 : WebElement
 - Registerpage : WebElement
 - Firstrname : WebElement
 - Lastname : WebElement
 - Email1 : WebElement

Bottom Status Bar: Shows the status bar with "Writable", "Smart Insert", and "1:1:0".

Login admin page

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure for "healthcare_Medicare - medicare_Capstone_Project". It includes a "medicare" package containing "connection.java", "Login_admin_page.java", and "Edit_page.java". A "src/test/java" folder contains "medicare_admin" with "Edit_page.java", "Enduser_login_Page.java", "Login_admin_page.java", "Login_page.java", "Manage_product_page.java", "package-info.java", "Register_page.java", and "Singup_address.java".
- Code Editor:** Displays the content of "Login_admin_page.java".

```
1 package medicare_admin;
2
3 import org.openqa.selenium.WebElement;
4
5 public class Login_admin_page {
6     @FindBy(xpath="//*[id='username']")
7     public static WebElement Email;
8     @FindBy(xpath="//*[id='password']")
9     public static WebElement Password;
10    @FindBy(xpath="//*[id='LoginForm']/div[3]/div/input[2]")
11    public static WebElement Login;
12    @FindBy(xpath="//*[id='manageProduct']/a")
13    public static WebElement Manage_Product;
14
15 }
16
17 }
```
- Outline View:** Shows the class structure and its static elements: medicare_admin, Login_admin_page, Email, Password, Login, and Manage_Product.
- Bottom Status Bar:** Shows "Writable", "Smart Insert", and the current time "18:1:518".

Login_page.java

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure for "healthcare_Medicare - medicare_Capstone_Project". It includes a "medicare" package containing "connection.java", "Login_admin_page.java", and "Edit_page.java". A "src/test/java" folder contains "medicare_admin" with "Edit_page.java", "Enduser_login_Page.java", "Login_admin_page.java", "Login_page.java", "Manage_product_page.java", "package-info.java", "Register_page.java", and "Singup_address.java".
- Code Editor:** Displays the content of "Login_page.java".

```
1 package medicare_admin;
2
3 import org.openqa.selenium.WebElement;
4
5 public class Login_page {
6     @FindBy(xpath="//*[id='login']/a")
7     public static WebElement Login;
8
9 }
10
```
- Outline View:** Shows the class structure and its static element: medicare_admin and Login_page.
- Bottom Status Bar:** Shows "Writable", "Smart Insert", and the current time "1:1:0".

Manage product page

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure for "healthcare_Medicare - medicare_Capstone_Project". It includes packages like medicare, medicare_admin, and medicare_admin_test, along with various Java files such as Login_admin_page.java, Enduser_login_Page.java, and Manage_product_page.java.
- Code Editor:** Displays the content of `Manage_product_page.java`. The code defines a class `Manage_product_page` with several static web element properties and their corresponding find by methods using XPath.
- Outline View:** On the right, it shows the class structure with fields like `Name`, `Brand`, `Description`, `Unit_Price`, `Quantity`, `Upload_a_file`, and `Save`.
- Terminal:** At the bottom, the terminal window shows the command `javaw.exe` was run at 11:01:37 pm on Feb 08, 2024, with process ID 7208.

Edit page test

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure for "healthcare_Medicare - medicare_Capstone_Project". It includes packages like medicare, medicare_admin, and medicare_admin_test, along with various Java files such as Login_admin_page.java, Enduser_login_Page.java, and Edit_page.java.
- Code Editor:** Displays the content of `Edit_page_test.java`. The code defines a class `Edit_page_test` with a method `editpage()` that uses WebDriver to interact with a local host application.
- Outline View:** On the right, it shows the class structure with methods like `editpage()`.
- Terminal:** At the bottom, the terminal window shows the command `javaw.exe` was run at 11:01:37 pm on Feb 08, 2024, with process ID 7208.

```
healthcare_Medicare - medicare_Capstone_Project/src/test/java/medicare_admin_test/Edit_page_test.java - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help
Project Explorer Login_admin... Edit_page... × Login_page.java Enduser_log... Signup_addr... Manage_prod... Register_pag...
└ medicare
    Deployment Descriptor: medicare
    JAX-WS Web Services
    Java Resources
    Browsers
    build
    src
└ medicare_Capstone_Project
    src/main/java
    src/test/java
        medicare_admin
            Edit_page.java
            Enduser_login_Page.java
            Login_admin_page.java
            Login_page.java
            Manage_product_page.java
            package-info.java
            Register_page.java
            Signup_address.java
        medicare_admin_test
            Edit_page_test.java
            Manage_product_page_test.java
            package-info.java
            Signup_address.java
        medicarepage
    JRE System Library [JavaSE-1.7]
    Maven Dependencies
    JUnit 4
    TestNG
    src
    target
    pom.xml
Out... ×
└ medicare.ad
└ Edit_page_te
└ editpage
Login_admin...
44 Thread.sleep(3000);
45 Edit_page.edithbutton.click();
46 Thread.sleep(2000);
47 Edit_page.unit_price.clear();
48 Thread.sleep(2000);
49 Edit_page.unit_price.sendKeys("55");
50 Thread.sleep(2000);
51 Edit_page.quantity.clear();
52 Thread.sleep(2000);
53 Edit_page.quantity.sendKeys("20 0");
54 Thread.sleep(2000);
55 Edit_page.saveok.click();
56 Thread.sleep(3000);
57 JavascriptExecutor js = (JavascriptExecutor) driver;
58 js.executeScript("window.scrollBy(0,document.body.scrollHeight)");
59 js.executeScript("window.scrollBy(0,600)", "");
60 Thread.sleep(2000);
61 Edit_page.enable.click();
62 Thread.sleep(2000);
63 Edit_page.saveok.click();
64 Thread.sleep(5000);
65 Edit_page.ok.click();
66 Thread.sleep(2000);
67 Edit_page.enable.click();
68 Thread.sleep(2000);
69 Edit_page.saveok.click();
70 ;
71 ;
72 ;
73 ;
74 Thread.sleep(5000);
75 Edit_page.ok.click();
76 Edit_page.logout.click();
77 Thread.sleep(2000);
78 Edit_page.logoutbutton.click();
79 ;
80 ;
81 Thread.sleep(5000);
82 Login_admin_page.Email.sendKeys("saj7487@gmail.com");
83 Login_admin_page.Password.sendKeys("12345");
84 Thread.sleep(5000);
85 Login_page.Login.click();
86 Thread.sleep(2000);
87 Edit_page.View_Product.click();
88 Thread.sleep(2000);
89 Edit_page.search.sendKeys("dulc");
90 Thread.sleep(2000);
91 Edit_page.search.clear();
92 Thread.sleep(1000);
93 Edit_page.search.sendKeys("c");
94 Edit_page.search.clear();
95 Thread.sleep(2000);
96 Edit_page.filter.click();
97 Thread.sleep(2000);
98 WebElement courseElement =driver.findElement(By.xpath("//*[@id='product_ListTable_length']/label"));
99 Select courseNameDropdown = new Select(courseElement);
100 courseNameDropdown.selectByIndex(0);
101 ;
102 ;
103 ;
104 Thread.sleep(2000);
105 Edit_page.add.click();
106 Thread.sleep(2000);
107 Edit_page.continueshop.click();
108 Thread.sleep(5000);
Problems Servers Terminal Data Source Explorer Properties Console ×
<terminated> C:\Program Files\Java\jdk-17\bin\javaw.exe (08-Feb-2024, 11:01:37 pm) [pid: 7208]
Writable Smart Insert 19 : 14 [14]
```

```
healthcare_Medicare - medicare_Capstone_Project/src/test/java/medicare_admin_test/Edit_page_test.java - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help
Project Explorer Login_admin... Edit_page... × Login_page.java Enduser_log... Signup_addr... Manage_prod... Register_pag...
└ medicare
    Deployment Descriptor: medicare
    JAX-WS Web Services
    Java Resources
    Browsers
    build
    src
└ medicare_Capstone_Project
    src/main/java
    src/test/java
        medicare_admin
            Edit_page.java
            Enduser_login_Page.java
            Login_admin_page.java
            Login_page.java
            Manage_product_page.java
            package-info.java
            Register_page.java
            Signup_address.java
        medicare_admin_test
            Edit_page_test.java
            Manage_product_page_test.java
            package-info.java
            Signup_address.java
        medicarepage
    JRE System Library [JavaSE-1.7]
    Maven Dependencies
    JUnit 4
    TestNG
    src
    target
    pom.xml
Out... ×
└ medicare.ad
└ Edit_page_te
└ editpage
Login_admin...
74 Thread.sleep(5000);
75 Edit_page.ok.click();
76 Edit_page.logout.click();
77 Thread.sleep(2000);
78 Edit_page.logoutbutton.click();
79 PageFactory.initElements(driver, Login_page.class);
80 ;
81 Thread.sleep(3000);
82 Login_admin_page.Email.sendKeys("saj7487@gmail.com");
83 Login_admin_page.Password.sendKeys("12345");
84 Thread.sleep(5000);
85 Login_page.Login.click();
86 Thread.sleep(2000);
87 Edit_page.View_Product.click();
88 Thread.sleep(2000);
89 Edit_page.search.sendKeys("dulc");
90 Thread.sleep(2000);
91 Edit_page.search.clear();
92 Thread.sleep(1000);
93 Edit_page.search.sendKeys("c");
94 Edit_page.search.clear();
95 Thread.sleep(2000);
96 Edit_page.filter.click();
97 Thread.sleep(2000);
98 WebElement courseElement =driver.findElement(By.xpath("//*[@id='product_ListTable_length']/label"));
99 Select courseNameDropdown = new Select(courseElement);
100 courseNameDropdown.selectByIndex(0);
101 ;
102 ;
103 ;
104 Thread.sleep(2000);
105 Edit_page.add.click();
106 Thread.sleep(2000);
107 Edit_page.continueshop.click();
108 Thread.sleep(5000);
Problems Servers Terminal Data Source Explorer Properties Console ×
<terminated> C:\Program Files\Java\jdk-17\bin\javaw.exe (08-Feb-2024, 11:01:37 pm) [pid: 7208]
Writable Smart Insert 82 : 49 2716
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healthcare_Medicare - medicare_Capstone_Project/src/test/java/medicare_admin_test/Edit_page_test.java - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help
Project Explorer Login_admin... Edit_page_... Login_page.java Enduser_log... Edit_page.java Signup_addr... Manage_prod... Register_pag...
101 courseNameDropdown.selectByIndex(0);
102 Thread.sleep(2000);
103 Edit_page.btnAdd.click();
104 Thread.sleep(2000);
105 Edit_page.continueShop.click();
106 Thread.sleep(5000);
107 WebElement courseElement = driver.findElement(By.xpath("//*[@id=\"productListTable_length\"]/label/select"));
108 Select courseNameDropdown = new Select(courseElement);
109
110 courseNameDropdown.selectByIndex(2);
111 Thread.sleep(3000);
112 JavascriptExecutor js2 = (JavascriptExecutor) driver;
113 //js2.executeScript("window.scrollBy(0,document.body.scrollHeight )");
114 js2.executeScript("window.scrollBy(0, 600)");
115 Thread.sleep(5000);
116 Edit_page.btnAdd.click();
117 Thread.sleep(2000);
118 Edit_page.continueShop.click();
119 Thread.sleep(4000);
120
121 WebElement dropElement = driver.findElement(By.xpath("//*[@id=\"productListTable_length\\\"\\\"]/label/select"));
122 Select courseNameDropdown3 =new Select(dropElement);
123 courseNameDropdown3.selectByIndex(3);
124
125 Thread.sleep(3000);
126 JavascriptExecutor js3 = (JavascriptExecutor) driver;
127
128 Select courseNameDropdown3 =new Select(dropElement);
129 courseNameDropdown3.selectByIndex(3);
130
131 Thread.sleep(3000);
132 JavascriptExecutor js4 = (JavascriptExecutor) driver;
133
134 Thread.sleep(3000);
135 JavascriptExecutor js5 = (JavascriptExecutor) driver;
136
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```
healthcare_Medicare - medicare_Capstone_Project/src/test/java/medicare_admin_test/Edit_page_test.java - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help
Project Explorer Login_admin... Edit_page_... Login_page.java Enduser_log... Edit_page.java Signup_addr... Manage_prod... Register_pag...
216 Thread.sleep(2000);
217 Edit_page.confirmPass.sendKeys("VI944@322a");
218 Thread.sleep(2000);
219 Edit_page.billing.click();
220 Thread.sleep(2000);
221 Edit_page.addressLine1.sendKeys("b2/3 new telephone quaters");
222 Thread.sleep(2000);
223 Edit_page.addressLine2.sendKeys("thirupattur");
224 Thread.sleep(2000);
225 Edit_page.state.sendKeys("TamilNadu");
226 Thread.sleep(2000);
227 Edit_page.city1.sendKeys("vellore");
228 Thread.sleep(2000);
229 Edit_page.code1.sendKeys("635601");
230 Thread.sleep(2000);
231 Edit_page.state.sendKeys("TamilNadu");
232 Thread.sleep(2000);
233 Edit_page.country1.sendKeys("INDIA");
234 Thread.sleep(2000);
235 Edit_page.confirm1.click();
236 Thread.sleep(2000);
237 Edit_page.confirm2.click();
238 Thread.sleep(2000);
239 Edit_page.confirm1.click();
240 Thread.sleep(2000);
241 Edit_page.confirm2.click();
242 Thread.sleep(2000);
243 Edit_page.confirm1.click();
244 Thread.sleep(2000);
245 Edit_page.confirm2.click();
246 }
247 }
248 }
249 }
250 }
```

Manage product page test

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure with packages like medicare and medicare_Capstone_Project.
- Code Editor:** Displays the Java code for `Manage_product_page_test.java`. The code uses WebDriver to interact with a web application, specifically managing product pages. It includes imports for `java.util.concurrent.TimeUnit`, `java.util.List`, and various WebDriver and PageFactory classes.
- Annotations:** A tooltip is visible at the bottom right of the code editor, indicating a deprecation warning for the `implicitlyWait` method. It suggests adding `@SuppressWarnings("deprecation")` to the class or configuring problem severity.
- Terminal:** Shows the command `C:\Program Files\Java\jdk-17\bin\javaw.exe` running at 08-Feb-2024, 11:01:37 pm [pid: 7208].
- Status Bar:** Shows "Writable", "Smart Insert", and the time "11 : 38 [24]".

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure with packages like medicare and medicare_Capstone_Project.
- Code Editor:** Displays the Java code for `Manage_product_page_test.java`. The code interacts with a product management page, setting values for Name, Brand, Description, Unit Price, and Quantity, and uploading files.
- Annotations:** A tooltip is visible at the bottom right of the code editor, indicating a deprecation warning for the `implicitlyWait` method. It suggests adding `@SuppressWarnings("deprecation")` to the class or configuring problem severity.
- Terminal:** Shows the command `C:\Program Files\Java\jdk-17\bin\javaw.exe` running at 08-Feb-2024, 11:01:37 pm [pid: 7208].
- Status Bar:** Shows "Writable", "Smart Insert", and the time "11 : 38 [24]".

Project Explorer

```

61     Manage_product_page.Save.click();
62     Thread.sleep(10000);
63     Manage_product_page.Name.sendKeys("Nise");
64     Manage_product_page.Brand.sendKeys("Nise");
65     Manage_product_page.Description.sendKeys("Nise Tablet is used to treat aches and pains. It blocks chemic messenge");
66
67
68
69
70     Manage_product_page.Unit_Price.clear();
71     Manage_product_page.Unit_Price.sendKeys("90");
72
73     Manage_product_page.Quantity.clear();
74     Thread.sleep(2000);
75     Manage_product_page.Quantity.sendKeys("1");
76
77     Manage_product_page.Upload_a_file.sendKeys("/home/vigneshta95gm ai/Documents/716kMhLuAYL.jpg");
78
79
80     Manage_product_page.Save.click();
81     Manage_product_page.Name.sendKeys("Amoxicillin");
82     Manage_product_page.Brand.sendKeys("cipla");
83     Manage_product_page.Description.sendKeys("Amoxicillin is used to treat bacterial infections in many different pa");
84
85
86     Manage_product_page.Unit_Price.clear();
87     Manage_product_page.Unit_Price.sendKeys("5");
88     Manage_product_page.Quantity.clear();
89     Manage_product_page.Quantity.sendKeys("1");
90     Manage_product_page.Upload_a_file.sendKeys("/home/ vigneshta95gm ai/Documents/Amoxicillin-250mg-ci pla pack-2.jp");
91     Manage_product_page.Save.click();
92 }
93
94
95

```

Problems Servers Terminal Data Source Explorer Properties Console <terminated> C:\Program Files\Java\jdk-17\bin\javaw.exe (08-Feb-2024, 11:01:37 pm) [pid: 7208]

Project Explorer

```

1 package medicarepage;
2 import org.openqa.selenium.WebElement;
3
4 public class Payment_page {
5     @FindBy(xpath="//*[id='cardNumber']")
6     public
7         static WebElement CARD_NUMBER;
8     @FindBy(xpath="//*[id='expiryMonth']");
9
10    public static WebElement MM;
11    @FindBy(xpath="//*[id='expiryYear']");
12
13    public static WebElement YY;
14    @FindBy(xpath="*[id='cvCode']");
15
16    public static WebElement CVV;
17
18    @FindBy(xpath="/html/body/div[2]/div[1]/div/div/div[2]/a")
19        public static WebElement pay;
20
21
22
23
24
25

```

Problems Servers Terminal Data Source Explorer Properties Console <terminated> C:\Program Files\Java\jdk-17\bin\javaw.exe (08-Feb-2024, 11:01:37 pm) [pid: 7208]

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows a project named "medicare" containing several source files and a test class "Manage_product_page_test.java".
- File Menu:** Contains options like New, Go Into, Show In, Copy, Paste, Delete, Refresh, Import, Export, Source, Refactor, Coverage As, Run As, Debug As, Profile As, Restore from Local History..., Java EE Tools, Team, Compare With, Configure, and Source.
- Code Editor:** Displays the code for "Manage_product_page_test.java". The code initializes a WebDriver, navigates to a login page, logs in, and then interacts with a product management page to upload a file and set its quantity to 20.
- Outline View:** Shows the class structure with methods like "Manageproductpage()", "initElements()", and "Manage_product.click()".
- Terminal:** Shows the command "Files\Java\jdk-17\bin\javaw.exe [08-Feb-2024, 11:01:37 pm] [pid: 7208]".

```
File Ed Project > Show In Alt+Shift+W > Manage_product_page_test.java - Eclipse IDE
New > Show In Local Terminal > Manage_product_page_test.java
Go Into > Manage_product_page_test.java
Copy Ctrl+C > Manageproductpage() throws
Paste Ctrl+V > dException {
Delete Ctrl+D > ver driver =new ChromeDriver();
Remove from Context Ctrl+Alt+Shift+Down > .manage().window().maximize();
Build Path > .manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
Source Alt+Shift+S > .get("http://localhost:9001/medicare/");
Refactor Alt+Shift+T > ctory.initElements(driver, Login_page.class);
Import F5 > l.sleep(3000);
Export > page.Login.click();
Refresh > ctory.initElements(driver, Login_admin_page.class);
Close Project > l.sleep(3000);
Close Unrelated Projects > admin_page.Email.sendKeys("vk@gmail.com");
Source > admin_page.Password.sendKeys("admin");
Coverage As > admin_page.Login.click();
Run As > l.sleep(2000);
Debug As > admin_page.Manage_Product.click();
Profile As > 1 Run on Server Alt+Shift+X R ("Dulcolax® is a proven laxative brand that prov
Restore from Local History... > 2 Java Application Alt+Shift+X J ("20");
Java EE Tools > Run Configurations...
Team > _product_page.clear();
Compare With > _product_page.Name.sendKeys("Dulceflex");
Configure > _product_page.Brand.sendKeys("Bisacodyl tablets");
Source > _product_page.Upload_a_file.sendKeys("/home/vigneshta95gmai/Documents/s-1400.jp
> _product_page.Save.click();
```