Name: Sanjay Khanna S

**Emp Id: 12124** 

**Selenium Lab Assessment** 

### Perform the below activities for each Requirements

#### **General Instructions:**

- 1. Use the existing React Spring Boot REST Application (Created for Manual Testing)
- 2. Perform the W3H Analysis on the Automation Testing Scenarios

### (Use Manual Testing Doc as Reference)

- 3. Prepare a Test Document which contains the Automation Test Cases which can be performed in front-end and back-end.
- 4. Use Selenium for performing automation testing on your application
  - a. Use Selenium IDE to record/run the test cases
  - **b.** Use Selenium Java code to Automation test your application functionalities (Use only ChromeDriver )
  - c. Use TestNG to create test cases

#### **Notes:**

- Perform Automation Testing after developing the Test Cases & Test Scenarios
- 2. Documents to be Submitted:
  - a. Selenium IDE test cases Screen Shots
  - b. Test Case Documents
  - c. Selenium Scripts Used
  - d. Test Success /Failure Screens

## W3H Analysis: Bank Management System

What	How
What are user stories that are	How can we select the web element
present here?	in this scenario?
<ul> <li>Ans</li> <li>Create/Update/Delete Payee</li> <li>Money transaction &amp; record the histories of transaction</li> <li>What is testing we are going perform in the Scenario?</li> <li>Ans</li> <li>Automated Testing using selenium</li> </ul>	<ul> <li>Ans</li> <li>By using find element by name</li> <li>By using find element by id</li> <li>By using find element by xpath</li> </ul> How can we select the element in the Navbar? <ul> <li>Ans</li> <li>By using find element by link text</li> <li>By using find element by id</li> </ul>
What were we going to test in the user stories? Ans	By using find element by CSS     Selector
<ul> <li>Insert Payee</li> <li>Edit Payee</li> <li>Update Payee</li> <li>Delete Payee</li> <li>Transfer Money</li> <li>Transaction History</li> </ul>	How to record the automated testing process?  Ans  By using Selenium Gird By using Web Driver By using Selenium IDE
What are the selenium components that were going to be used for this automation testing?  Ans  • Selenium IDE  • Web Driver	How to perform the automation in the code itself?  Ans  By Web Driver  By Selenium IDE

Why	Why not
How can we select the web element	How can we select the web element
in this scenario? Why?	in this scenario? Why Not?

#### Ans

• By using find element by name (Because the name is default select and to avoid the ambiguity among other elements)

# How can we select the element in the Navbar? Why?

#### Ans

• By using find element by link text

(Because navbar will content angular tag to navigate to other pages)

# How to record the automated testing Process? Why?

#### Ans

• By using Selenium IDE (Because selenium IDE provide the support of Record the code and Autogenerate the scripts for testing)

## How to perform the automation in the code itself?

#### Ans

By Web Driver

(Because web driver is fully based on the programming perspective)

#### Ans

Because other elements may cause or have the chances of ambiguity

# How can we select the element in the Navbar? Why Not?

#### Ans

Because navbar will contains linked text element to navigate with in the web side

# How to record the automated testing Process? Why?

#### Ans

Because selenium IDE provide the support of Record the code and Autogenerate the scripts for testing But others don't have that specific option

# How to perform the automation in the code itself?

#### Ans

Because the web driver is fully based on the programming perspective, it is based on object – oriented concept.

## **Selenium IDE:**

## **Scripts:**

## **Add Payee:**

// Generated by Selenium IDE

```
import org.junit.Test;
import org.junit.Before;
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.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.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 AddPayeeTest {
 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 addPayee() {
  driver.get("http://localhost:4040/");
  driver.manage().window().setSize(new Dimension(1552, 840));
  driver.findElement(By.name("addPayee")).click();
  driver.findElement(By.id("payeeName")).click();
  driver.findElement(By.id("payeeName")).sendKeys("Test001");
  driver.findElement(By.id("nickName")).click();
  driver.findElement(By.id("nickName")).sendKeys("TS1");
```

```
driver.findElement(By.id("accountNumber")).click();
  {
   WebElement element =
driver.findElement(By.name("addBtn"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
  }
driver.findElement(By.id("accountNumber")).sendKeys("12345678
90");
  driver.findElement(By.name("addBtn")).click();
  driver.findElement(By.cssSelector(".MuiSvgIcon-
fontSizeSmall'')).click();
  driver.findElement(By.name("addPayee")).click();
  driver.findElement(By.id("payeeName")).click();
  driver.findElement(By.id("payeeName")).sendKeys("Test002");
  driver.findElement(By.id("nickName")).click();
  driver.findElement(By.id("nickName")).sendKeys("TS2");
  driver.findElement(By.id("accountNumber")).click();
driver.findElement(By.id("accountNumber")).sendKeys("12345678
91");
  driver.findElement(By.name("addBtn")).click();
```

```
driver.findElement(By.cssSelector(".MuiSvgIcon-
fontSizeSmall'')).click();
  driver.findElement(By.name("addPayee")).click();
  driver.findElement(By.id("payeeName")).click();
  driver.findElement(By.id("payeeName")).sendKeys("Test003");
  driver.findElement(By.id("nickName")).click();
  driver.findElement(By.id("nickName")).sendKeys("TS3");
  driver.findElement(By.id("accountNumber")).click();
  {
   WebElement element =
driver.findElement(By.name("addBtn"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
  }
driver.findElement(By.id("accountNumber")).sendKeys("12345678
92");
  driver.findElement(By.name("addBtn")).click();
   WebElement element =
driver.findElement(By.cssSelector(".MuiSvgIcon-fontSizeSmall >
path"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
```

```
}
  driver.findElement(By.cssSelector(".MuiSygIcon-fontSizeSmall >
path")).click();
  driver.findElement(By.name("addPayee")).click();
  driver.findElement(By.cssSelector(".MuiDialogContent-root
> .MuiFormControl-root:nth-child(1)")).click();
  driver.findElement(By.id("payeeName")).click();
  driver.findElement(By.id("payeeName")).sendKeys("Test004");
  driver.findElement(By.id("nickName")).click();
  driver.findElement(By.id("nickName")).sendKeys("TS1");
  driver.findElement(By.id("accountNumber")).click();
driver.findElement(By.id("accountNumber")).sendKeys("12345678
93");
  driver.findElement(By.name("addBtn")).click();
   WebElement element =
driver.findElement(By.cssSelector(".MuiSvgIcon-fontSizeSmall"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
  driver.findElement(By.cssSelector(".MuiSvgIcon-
fontSizeSmall'')).click();
  driver.findElement(By.name("addPayee")).click();
```

```
driver.findElement(By.id("payeeName")).click();
  driver.findElement(By.id("payeeName")).sendKeys("Test004");
  driver.findElement(By.id("nickName")).click();
  driver.findElement(By.id("nickName")).sendKeys("TS4");
  driver.findElement(By.id("accountNumber")).click();
driver.findElement(By.id("accountNumber")).sendKeys("12345678
90");
  driver.findElement(By.name("addBtn")).click();
  {
   WebElement element =
driver.findElement(By.cssSelector(".MuiSvgIcon-fontSizeSmall >
path"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
  driver.findElement(By.cssSelector(".MuiSvgIcon-fontSizeSmall >
path")).click();
 }
}
Edit Payee:
// Generated by Selenium IDE
import org.junit.Test;
```

```
import org.junit.Before;
import org.junit.After;
import static org.junit.Assert.*;
import static org.hamcrest.CoreMatchers.is;
import static org.hamcrest.core.IsNot.not;
import org.openga.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openga.selenium.remote.RemoteWebDriver;
import org.openga.selenium.remote.DesiredCapabilities;
import org.openga.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.openga.selenium.Alert;
import org.openqa.selenium.Keys;
import java.util.*;
import java.net.MalformedURLException;
import java.net.URL;
public class EditPayeeTest {
```

```
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 editPayee() {
  driver.get("http://localhost:4040/");
  driver.manage().window().setSize(new Dimension(1552, 840));
   WebElement element =
driver.findElement(By.cssSelector("tr:nth-child(1).MuiButton-
containedPrimary"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
```

```
}
  driver.findElement(By.cssSelector("tr:nth-child(1).MuiButton-
containedPrimary'')).click();
   WebElement element =
driver.findElement(By.tagName("body"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element, 0, 0).perform();
  driver.findElement(By.id("payeeName")).click();
  driver.findElement(By.id("payeeName")).sendKeys("Test001");
  driver.findElement(By.cssSelector(".MuiDialogContent-
root")).click();
  driver.findElement(By.id("nickName")).click();
   WebElement element =
driver.findElement(By.cssSelector(".MuiButton-
containedSuccess:nth-child(2)"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
  driver.findElement(By.id("nickName")).sendKeys("TS1");
  driver.findElement(By.cssSelector(".MuiButton-
containedSuccess:nth-child(2)")).click();
```

```
{
   WebElement element =
driver.findElement(By.cssSelector(".MuiSvgIcon-fontSizeSmall"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
  driver.findElement(By.cssSelector(".MuiSvgIcon-
fontSizeSmall'')).click();
  driver.findElement(By.cssSelector("tr:nth-child(2).MuiButton-
containedPrimary")).click();
  driver.findElement(By.id("nickName")).click();
  driver.findElement(By.id("nickName")).sendKeys("TS1");
  driver.findElement(By.cssSelector(".MuiButton-
containedSuccess:nth-child(2)")).click();
  {
   WebElement element =
driver.findElement(By.cssSelector(".MuiSvgIcon-fontSizeSmall"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
  driver.findElement(By.cssSelector(".MuiSvgIcon-
fontSizeSmall'')).click();
  driver.findElement(By.cssSelector("tr:nth-child(2).MuiButton-
containedPrimary'')).click();
```

```
driver.findElement(By.id("payeeName")).click();
  driver.findElement(By.id("payeeName")).sendKeys("Test004");
  driver.findElement(By.cssSelector(".MuiButton-
containedSuccess:nth-child(2)")).click();
  {
   WebElement element =
driver.findElement(By.cssSelector(".MuiSvgIcon-fontSizeSmall"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
  }
  driver.findElement(By.cssSelector(".MuiSvgIcon-
fontSizeSmall")).click();
}
}
Delete Payee:
// Generated by Selenium IDE
import org.junit.Test;
import org.junit.Before;
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.openga.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.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 DeletePayeeTest {
 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 deletePayee() {
  driver.get("http://localhost:4040/");
  driver.manage().window().setSize(new Dimension(1552, 840));
  driver.findElement(By.cssSelector("tr:nth-child(3).MuiButton-
containedError")).click();
  {
   WebElement element =
driver.findElement(By.cssSelector(".MuiButton-
containedSuccess:nth-child(2)"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
  driver.findElement(By.cssSelector(".MuiButton-
containedSuccess:nth-child(2)")).click();
  {
```

```
WebElement element =
driver.findElement(By.cssSelector(".MuiSvgIcon-fontSizeSmall"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
  driver.findElement(By.cssSelector(".MuiSvgIcon-
fontSizeSmall'')).click();
  driver.findElement(By.cssSelector("tr:nth-child(2).MuiButton-
containedError")).click();
   WebElement element =
driver.findElement(By.cssSelector(".MuiDialogActions-root
> .MuiButton-containedPrimary''));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
  }
  driver.findElement(By.cssSelector(".MuiDialogActions-root
> .MuiButton-containedPrimary'')).click();
  driver.findElement(By.cssSelector("tr:nth-child(2).MuiButton-
containedError")).click();
  driver.findElement(By.cssSelector(".MuiButton-
containedSuccess:nth-child(2)")).click();
   WebElement element =
driver.findElement(By.cssSelector(".MuiSvgIcon-fontSizeSmall"));
```

```
Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
  driver.findElement(By.cssSelector(".MuiSvgIcon-
fontSizeSmall'')).click();
  driver.findElement(By.cssSelector(".MuiButton-
containedError'')).click();
   WebElement element =
driver.findElement(By.cssSelector(".MuiButton-
containedSuccess:nth-child(2)"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
  driver.findElement(By.cssSelector(".MuiButton-
containedSuccess:nth-child(2)")).click();
   WebElement element =
driver.findElement(By.cssSelector(".MuiSvgIcon-fontSizeSmall"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
  driver.findElement(By.cssSelector(".MuiSvgIcon-
fontSizeSmall'')).click();
```

}
}

```
TranferMoney:
// Generated by Selenium IDE
import org.junit.Test;
import org.junit.Before;
import org.junit.After;
import static org.junit.Assert.*;
import static org.hamcrest.CoreMatchers.is;
import static org.hamcrest.core.IsNot.not;
import org.openga.selenium.By;
import org.openga.selenium.WebDriver;
import org.openga.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.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 TransferMoneyTest {
 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 transferMoney() {
  driver.get("http://localhost:4040/");
  driver.manage().window().setSize(new Dimension(1536, 824));
  driver.findElement(By.linkText("Transfer Money")).click();
  driver.findElement(By.cssSelector("body")).click();
```

```
driver.findElement(By.cssSelector(".MuiMenuItem-root:nth-
child(1)")).click();
  driver.findElement(By.id("amount")).click();
   WebElement element =
driver.findElement(By.cssSelector(".MuiButton-
containedPrimary"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
  driver.findElement(By.id("amount")).sendKeys("2000");
  driver.findElement(By.cssSelector(".MuiButton-
containedPrimary'')).click();
  {
   WebElement element =
driver.findElement(By.tagName("body"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element, 0, 0).perform();
  driver.findElement(By.linkText("Transfer Money")).click();
  driver.findElement(By.cssSelector("body")).click();
  driver.findElement(By.cssSelector(".MuiButtonBase-root:nth-
child(3)")).click();
  driver.findElement(By.id("amount")).click();
```

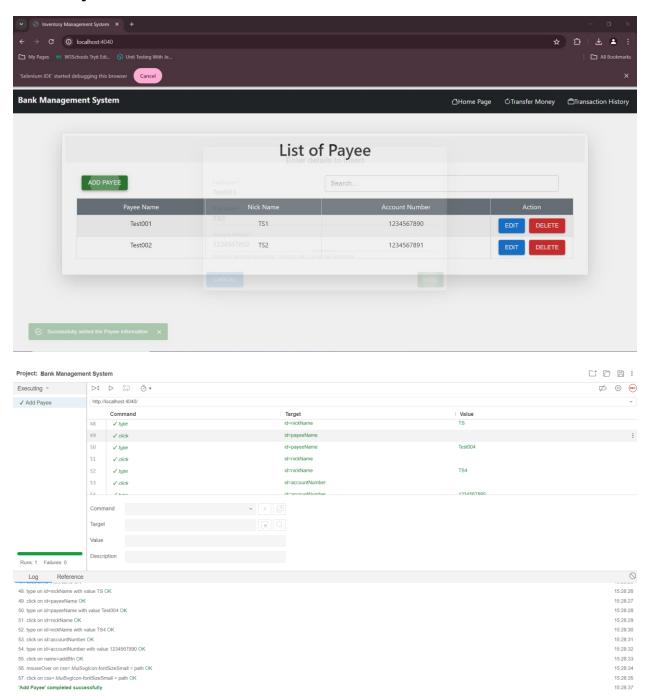
```
{
   WebElement element =
driver.findElement(By.cssSelector(".MuiButton-
containedPrimary"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
  driver.findElement(By.id("amount")).sendKeys("1299999999");
  driver.findElement(By.cssSelector(".MuiButton-
containedPrimary'')).click();
  {
   WebElement element =
driver.findElement(By.tagName("body"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element, 0, 0).perform();
  driver.findElement(By.linkText("Transfer Money")).click();
  driver.findElement(By.cssSelector("body")).click();
  driver.findElement(By.cssSelector(".MuiMenuItem-root:nth-
child(2)'')).click();
  driver.findElement(By.id("amount")).click();
  {
```

```
WebElement element =
driver.findElement(By.cssSelector(".MuiButton-
containedPrimary''));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
  driver.findElement(By.id("amount")).sendKeys("10000");
  driver.findElement(By.cssSelector(".MuiButton-
containedPrimary'')).click();
  {
   WebElement element =
driver.findElement(By.tagName("body"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element, 0, 0).perform();
  driver.findElement(By.linkText("Transfer Money")).click();
  driver.findElement(By.cssSelector("body")).click();
  driver.findElement(By.cssSelector(".MuiButtonBase-root:nth-
child(3)")).click();
  driver.findElement(By.id("amount")).click();
   WebElement element =
driver.findElement(By.cssSelector(".MuiButton-
containedPrimary"));
```

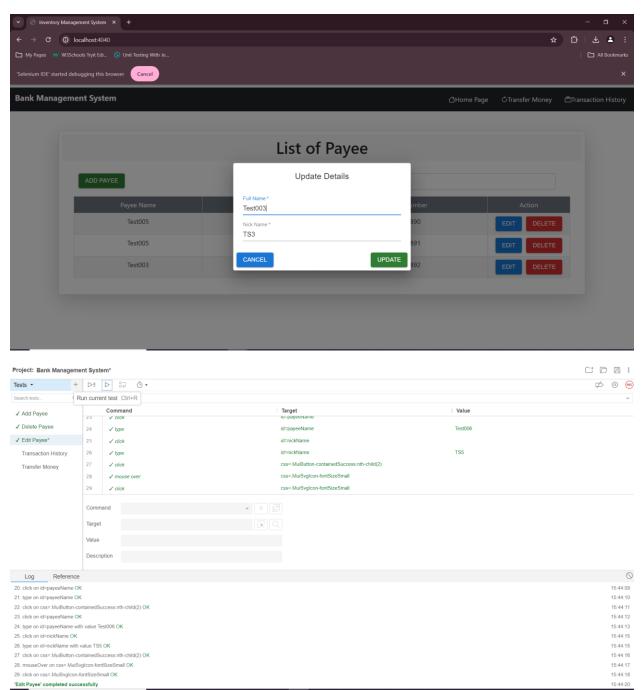
```
Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
driver.findElement(By.id("amount")).sendKeys("19999999999");
  driver.findElement(By.cssSelector(".MuiButton-
containedPrimary'')).click();
   WebElement element =
driver.findElement(By.tagName("body"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element, 0, 0).perform();
  driver.findElement(By.linkText("Transfer Money")).click();
  driver.findElement(By.id("amount")).click();
  driver.findElement(By.id("amount")).sendKeys("-12332");
  driver.findElement(By.cssSelector(".bi-arrow-left")).click();
```

## **Output screen of Selenium IDE:**

## **Add Payee:**



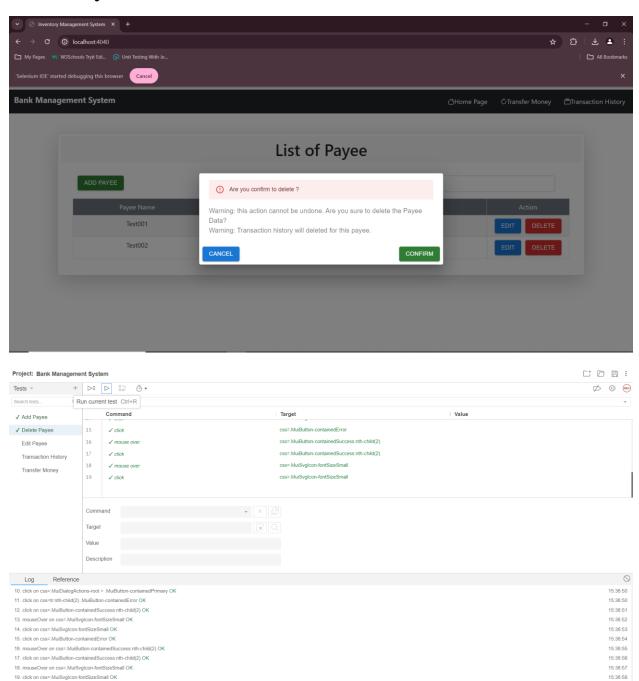
## **Edit Payee:**



15:44:20

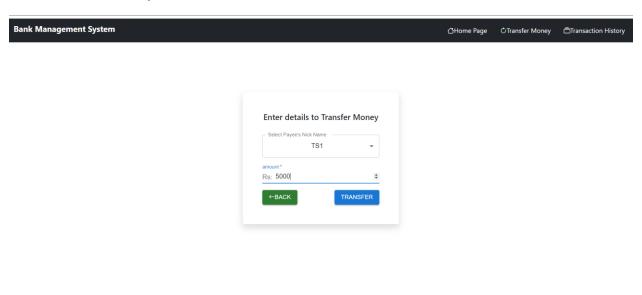
## **Delete Payee:**

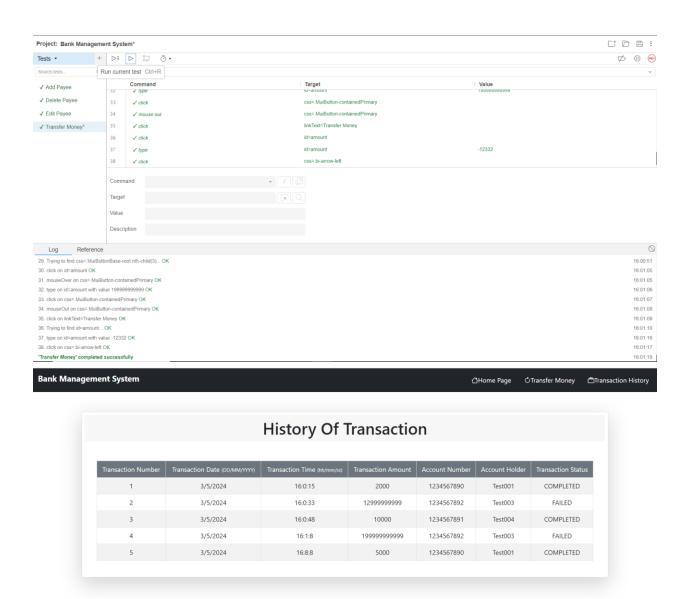
'Delete Payee' completed successfully



15:36:59

## **Transfer Money:**





### **Selenium in Backend:**

## AddPayeeTest.java:

```
package com.bms.selenium;
import org.junit.jupiter.api.Test;
```

```
import org.openga.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openga.selenium.chrome.ChromeDriver;
public class AddPayeeTest {
private WebDriver driver;
@Test
public void testAppPayee1() throws InterruptedException{
driver = new ChromeDriver();
driver.get("http://localhost:4040");
driver.findElement(By.name("addPayee")).click();
driver.findElement(By.name("payeeName")).sendKeys("Test001");
driver.findElement(By.name("nickName")).sendKeys("TS1");
driver.findElement(By.name("accountNumber")).sendKeys("1234567890");
driver.findElement(By.name("addBtn")).click();
Thread.sleep(2000);
driver.close();
}
@Test
public void testAppPayee2() throws InterruptedException{
driver = new ChromeDriver();
driver.get("http://localhost:4040");
driver.findElement(By.name("addPayee")).click();
driver.findElement(By.name("payeeName")).sendKeys("Test002");
driver.findElement(By.name("nickName")).sendKeys("TS2");
driver.findElement(By.name("accountNumber")).sendKeys("1234567891");
driver.findElement(By.name("addBtn")).click();
Thread.sleep(2000);
driver.close();
}
@Test
public void testAppPayee3() throws InterruptedException{
```

```
driver = new ChromeDriver();
driver.get("http://localhost:4040");
driver.findElement(By.name("addPayee")).click();
driver.findElement(By.name("payeeName")).sendKeys("Test003");
driver.findElement(By.name("addBtn")).click();
driver.findElement(By.name("nickName")).sendKeys("TS3");
driver.findElement(By.name("accountNumber")).sendKeys("1234567892");
Thread.sleep(2000);
driver.close();
}
@Test
public void testAppPayee4() throws InterruptedException{
driver = new ChromeDriver();
driver.get("http://localhost:4040");
driver.findElement(By.name("addPayee")).click();
driver.findElement(By.name("payeeName")).sendKeys("Test001");
driver.findElement(By.name("nickName")).sendKeys("TS1");
driver.findElement(By.name("accountNumber")).sendKeys("1234567894");
driver.findElement(By.name("addBtn")).click();
Thread.sleep(2000);
driver.close();
}
@Test
public void testAppPayee5() throws InterruptedException{
driver = new ChromeDriver();
driver.get("http://localhost:4040");
driver.findElement(By.name("addPayee")).click();
driver.findElement(By.name("payeeName")).sendKeys("Test004");
driver.findElement(By.name("nickName")).sendKeys("TS4");
driver.findElement(By.name("accountNumber")).sendKeys("1234567890");
driver.findElement(By.name("addBtn")).click();
Thread.sleep(2000);
driver.findElement(By.cssSelector(".MuiSvgIcon-
fontSizeSmall")).click();
```

```
driver.close();
}
```

### EditPayeeTest.js

```
package com.bms.selenium;
import org.junit.jupiter.api.Test;
import org.openga.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
public class EditPayeeTest {
private WebDriver driver;
@Test
public void testEditPayee1() throws InterruptedException {
driver = new ChromeDriver();
driver.get("http://localhost:4040");
driver.findElement(By.name("edit1")).click();
driver.findElement(By.name("payeeName")).clear();
driver.findElement(By.name("payeeName")).sendKeys("Test006");
driver.findElement(By.name("nickName")).clear();
driver.findElement(By.name("nickName")).sendKeys("TS6");
driver.findElement(By.name("editBtn")).click();
Thread.sleep(2000);
driver.close();
}
@Test
public void testEditPayee2() throws InterruptedException {
driver = new ChromeDriver();
```

```
driver.get("http://localhost:4040");
driver.findElement(By.name("edit2")).click();
driver.findElement(By.name("payeeName")).clear();
driver.findElement(By.name("payeeName")).sendKeys("Test005");
driver.findElement(By.name("nickName")).clear();
driver.findElement(By.name("nickName")).sendKeys("TS5");
driver.findElement(By.name("editBtn")).click();
Thread.sleep(2000);
driver.close();
}
@Test
public void testEditPayee3() throws InterruptedException {
driver = new ChromeDriver();
driver.get("http://localhost:4040");
driver.findElement(By.name("edit2")).click();
driver.findElement(By.name("payeeName")).clear();
driver.findElement(By.name("payeeName")).sendKeys("Test004");
driver.findElement(By.name("nickName")).clear();
driver.findElement(By.name("nickName")).sendKeys("TS5");
driver.findElement(By.name("cancelBtn")).click();
Thread.sleep(2000);
driver.close();
}
}
DeletePayeeTest.js:
package com.bms.selenium;
import org.junit.jupiter.api.Test;
import org.openga.selenium.By;
import org.openqa.selenium.WebDriver;
```

```
import org.openqa.selenium.chrome.ChromeDriver;
public class DeletePayeeTest {
private WebDriver driver;
@Test
public void testDeletePayee1() throws InterruptedException {
driver = new ChromeDriver();
driver.get("http://localhost:4040");
driver.findElement(By.name("delete1")).click();
Thread.sleep(2000);
driver.findElement(By.name("confirmBtn")).click();
Thread.sleep(2000);
driver.close();
}
@Test
public void testDeletePayee2() throws InterruptedException {
driver = new ChromeDriver();
driver.get("http://localhost:4040");
driver.findElement(By.name("delete2")).click();
Thread.sleep(2000);
```

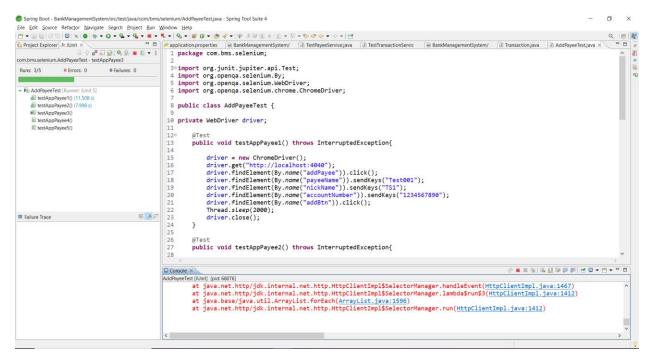
```
driver.findElement(By.name("cancelBtn")).click();
Thread.sleep(2000);
driver.close();
@Test
public void testDeletePayee3() throws InterruptedException {
driver = new ChromeDriver();
driver.get("http://localhost:4040");
driver.findElement(By.name("delete2")).click();
Thread.sleep(2000);
driver.findElement(By.name("confirmBtn")).click();
Thread.sleep(2000);
driver.close();
}
}
TransferMoneyTest.java
package com.bms.selenium;
import org.junit.jupiter.api.Test;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openga.selenium.WebElement;
import org.openga.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;
```

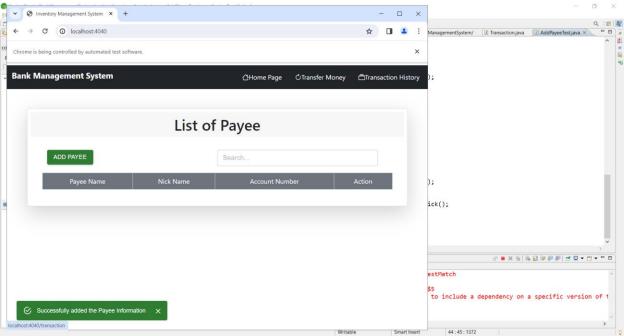
```
public class TransferMoneyTest {
private WebDriver driver;
@Test
public void testDoTransation1() throws InterruptedException {
driver = new ChromeDriver();
driver.get("http://localhost:4040");
driver.findElement(By.linkText("Transfer Money")).click();
driver.findElement(By.id("payeeId")).click();
driver.findElement(By.name("TS1")).click();
driver.findElement(By.id("amount")).click();
WebElement element = driver.findElement(By.cssSelector(".MuiButton-
containedPrimary"));
Actions builder = new Actions(driver);
builder.moveToElement(element).perform();
 driver.findElement(By.id("amount")).sendKeys("2000");
 driver.findElement(By.cssSelector(".MuiButton-
containedPrimary")).click();
Thread.sleep(3000);
driver.close();
}
@Test
public void testDoTransation2() throws InterruptedException {
driver = new ChromeDriver();
driver.get("http://localhost:4040");
driver.findElement(By.linkText("Transfer Money")).click();
driver.findElement(By.id("payeeId")).click();
driver.findElement(By.name("TS2")).click();
 driver.findElement(By.id("amount")).click();
driver.findElement(By.id("amount")).sendKeys("20000000");
 driver.findElement(By.cssSelector(".MuiButton-
containedPrimary")).click();
```

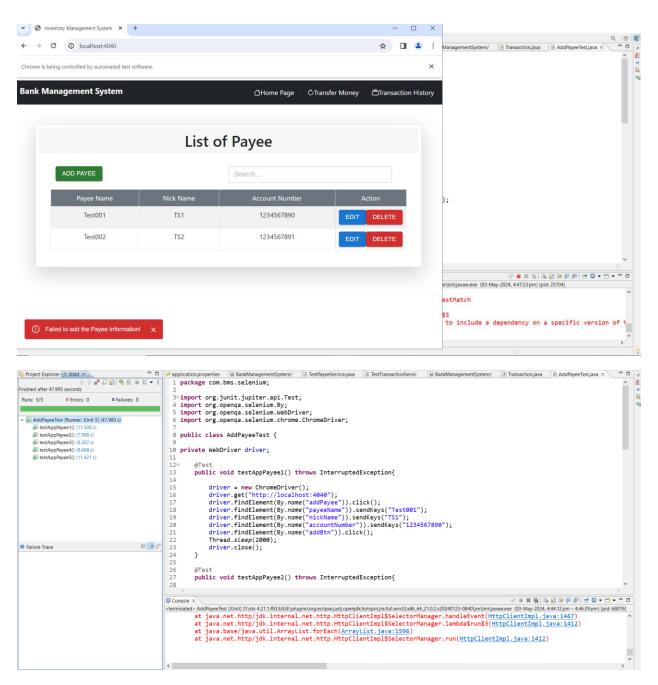
```
Thread.sleep(3000);
driver.close();
}
@Test
public void testDoTransation3() throws InterruptedException {
driver = new ChromeDriver();
driver.get("http://localhost:4040");
driver.findElement(By.linkText("Transfer Money")).click();
driver.findElement(By.id("payeeId")).click();
 driver.findElement(By.name("TS1")).click();
 driver.findElement(By.id("amount")).click();
 driver.findElement(By.id("amount")).sendKeys("2000111");
 driver.findElement(By.cssSelector(".MuiButton-
containedPrimary")).click();
Thread.sleep(3000);
driver.close();
}
}
```

## **Output:**

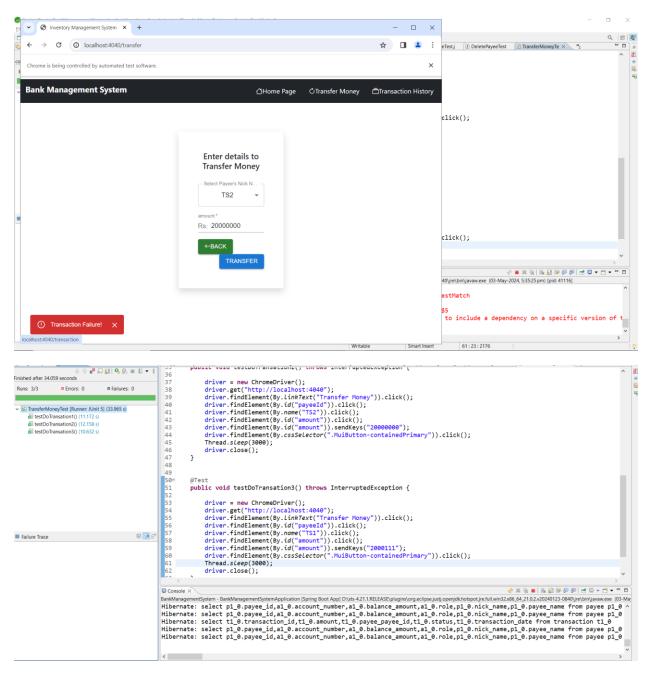
**Add Payee** 



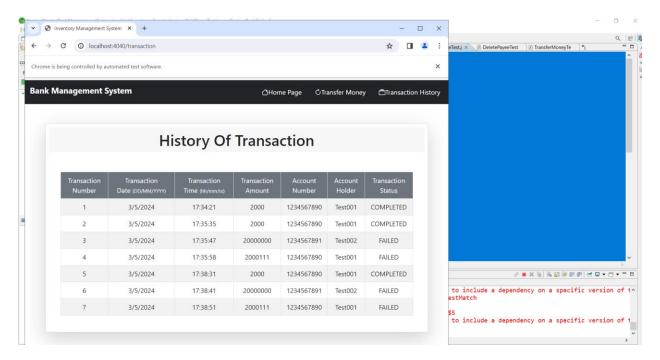




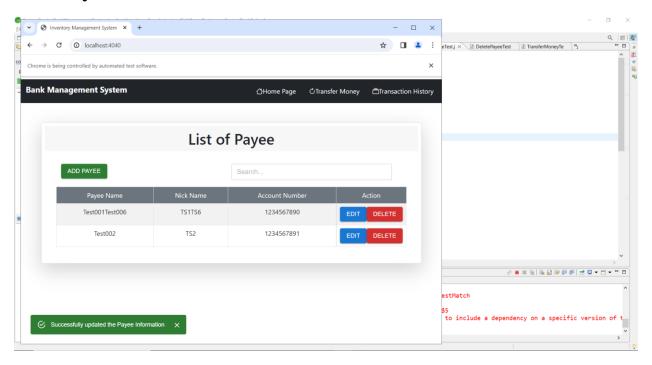
## **Transfer Money:**



## **Transaction History:**



## **Edit Payee:**



```
Spring Boot - BankManagementSystem/src/test/java/com/bms/selenium/EditPayeeTest.java - Spring Tool Suite 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Spring both - Samowanaparents/Spring/Out-stay/Bar/Conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/Spring-conforms/S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    电影 电图 图
                                                                                                                                                                                          3@import org.junit.jupiter.api.Test;
                                            © Errors: 0 © Failures: 0
                                                                                                                                                           4 import org.openqa.selenium.By;
5 import org.openqa.selenium.WebDriver;
6 import org.openqa.selenium.chrome.ChromeDriver;

▼ B EditPayeeTest [Runner: JUnit 5] (27.925 s)

                                                                                                                                                                                          8 public class EditPayeeTest {
                                                                                                                                                                                                                private WebDriver driver;
                                                                                                                                                                                                                    public void testEditPayee1() throws InterruptedException {
                                                                                                                                                                                                                                  driver = new ChromeDriver();
driver.get("http://localhost:4040");
driver.findElement(By.name("edit1")).click();
driver.findElement(By.name("payeeName")).clear();
driver.findElement(By.name("payeeName")).clear();
driver.findElement(By.name("nickName")).clear();
driver.findElement(By.name("nickName")).sendKeys("Ts6");
driver.findElement(By.name("edit8tn")).click();
Thread.sLeep(2000);
driver.close();
  ■ Failure Trace
                                                                                                                                                                                   26
27°
28
                                                                                                                                                                                                                   @Test
                                                                                                                                                                                                                    public void testEditPayee2() throws InterruptedException {
                                                                                                                                                                                 □ Console ×

deminated: EditPayeeTest [Unit] D\sts-4.21.1RELEASE\plugim\org.eclipse.justj.openjdkhotspot.jve.full.win32.86.64.210.2v20240123-0840\j/re\bin\javaw.exe: (03-May-2024, 33920pm - 33951pm) [pid: 26472]

at java.net.http/jdk.internal.net.http.HttpClientImpl$SelectorManager.lambda$run$3(HttpClientImpl.java:1467)

at java.net.http/jdk.internal.net.http.HttpClientImpl$SelectorManager.lambda$run$3(HttpClientImpl.java:1412)

at java.net.http/jdk.internal.net.http.HttpClientImpl$SelectorManager.run(HttpClientImpl.java:1412)
                                                                                                                                                                                   <
```