Capstone Project - Source Codes

ICIN BANK

**Name: Chethan Gowda M**

**Date: 26/02/2022**

**package** icinTesting.ICIN\_test;

/\*\*

\* Hello world!

\*

\*/

**public class** App

{

**public static void** main( String[] args )

{

System.***out***.println( "Run the src/test/java" );

}

}

package frontEndTesting;

import static org.testng.Assert.assertEquals;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver; import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeTest; import org.testng.annotations.Test;

public class LoginTest {

WebDriver driver;

@BeforeTest

public void setUp() {

System.setProperty("webdriver.chrome.driver", "C:\\Users\\Lenovo\\Desktop\\Comviva Training\\Phase 5\\SeleniumTesting Workspace\\chromedriver.exe");

driver = new ChromeDriver(); driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);

driver.manage().window().maximize(); driver.get("localhost:4200/login");

}

@Test

public void loginUser() throws InterruptedException {

driver.findElement(By.cssSelector("input[name='email']")).sendKeys("[ramk42148@gmail.co](mailto:ramk42148@gmail.co)

m");

driver.findElement(By.cssSelector("input[name='password']")).sendKeys("test@1234"); driver.findElement(By.id("loginButton")).click();

Thread.sleep(1000L);

assertEquals(driver.getCurrentUrl(), "http://localhost:4200/user/home");

}

@AfterTest

public void cleanUp() {

driver.close();

}

}

package frontEndTesting;

import static org.testng.Assert.assertEquals;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.Alert; import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver; import org.openqa.selenium.support.ui.Select; import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeTest; import org.testng.annotations.Test;

public class DepositFundTest { WebDriver driver; @BeforeTest

public void setUp() {

System.setProperty("webdriver.chrome.driver", "C:\\Users\\Lenovo\\Desktop\\Comviva Training\\Phase 5\\SeleniumTesting Workspace\\chromedriver.exe");

driver = new ChromeDriver(); driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);

driver.manage().window().maximize(); driver.get("localhost:4200/login");

}

@Test

public void depositFundInPrimaryAccount() throws InterruptedException {

driver.findElement(By.cssSelector("input[name='email']")).sendKeys("[ramk42148@gmail.co](mailto:ramk42148@gmail.co)

m");

driver.findElement(By.cssSelector("input[name='password']")).sendKeys("test@1234");

driver.findElement(By.id("loginButton")).click(); driver.findElement(By.id("depositFundSection")).click();

//Depositing money in primary account driver.findElement(By.id("amountToBeDeposited")).sendKeys("1000");

}

@Test

driver.findElement(By.id("depositMoneyButton")).click(); Thread.sleep(1000L);

Alert alert = driver.switchTo().alert(); String message = alert.getText();

assertEquals(message, "Money deposited successfully!!"); alert.accept();

public void depositFundInSavingAccount() throws InterruptedException {

driver.findElement(By.id("depositFundSection")).click();

Select accounts = new Select(driver.findElement(By.id("accountType"))); accounts.selectByIndex(1);

//Depositing money in saving account driver.findElement(By.id("amountToBeDeposited")).sendKeys("1000");

driver.findElement(By.id("depositMoneyButton")).click(); Thread.sleep(1000L);

Alert alert = driver.switchTo().alert(); String message = alert.getText();

assertEquals(message, "Money deposited successfully!!"); alert.accept();

}

@AfterTest

public void cleanUp() {

driver.close();

}

}

package frontEndTesting;

import static org.testng.Assert.assertEquals;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver; import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeTest; import org.testng.annotations.Test;

public class RegistrationTest { WebDriver driver; @BeforeTest

public void setUp() {

System.setProperty("webdriver.chrome.driver", "C:\\Users\\Lenovo\\Desktop\\Comviva Training\\Phase 5\\SeleniumTesting Workspace\\chromedriver.exe");

driver = new ChromeDriver(); driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);

driver.manage().window().maximize(); driver.get("http://localhost:4200/register");

}

@Test

public void registerUser() throws InterruptedException {

//Personal Details driver.findElement(By.cssSelector("input[name='firstName'")).sendKeys("Test"); driver.findElement(By.cssSelector("input[name='lastName'")).sendKeys("Test"); driver.findElement(By.id("next")).click();

assertEquals(driver.getCurrentUrl(), "http://localhost:4200/register/contactDetails");

//Contact Details driver.findElement(By.cssSelector("input[name='email'")).sendKeys("[test123@gmail.com](mailto:test123@gmail.com)");

driver.findElement(By.cssSelector("input[name='phone'")).sendKeys("7788778877"); driver.findElement(By.id("next")).click();

assertEquals(driver.getCurrentUrl(), "http://localhost:4200/register/kycDetails");

//Kyc Details driver.findElement(By.cssSelector("input[name='dob'")).click();

driver.findElement(By.cssSelector("input[name='dob'")).sendKeys("02/02/2000");

driver.findElement(By.cssSelector("input[name='pancard'")).sendKeys("GJOH19165"); driver.findElement(By.id("next")).click();

assertEquals(driver.getCurrentUrl(), "http://localhost:4200/register/addressDetails");

Silver Oaks"); Road");

//Address Details driver.findElement(By.cssSelector("input[name='addressLine1'")).sendKeys("C-1

driver.findElement(By.cssSelector("input[name='addressLine2'")).sendKeys("SV

driver.findElement(By.cssSelector("input[name='addressLine3'")).sendKeys("Borivali");

driver.findElement(By.cssSelector("input[name='addressLine4'")).sendKeys("Mumbai, Maharashtra");

driver.findElement(By.cssSelector("input[name='addressLine5'")).sendKeys("400067"); driver.findElement(By.id("next")).click();

assertEquals(driver.getCurrentUrl(), "http://localhost:4200/register/userRegistration");

//User Registration driver.findElement(By.cssSelector("input[name='userName'")).sendKeys("ramkrishna"); driver.findElement(By.cssSelector("input[name='password'")).sendKeys("test@1234");

4");

driver.findElement(By.cssSelector("input[name='confirm\_password'")).sendKeys("test@123

driver.findElement(By.cssSelector("input[name='tnc'")).click(); driver.findElement(By.cssSelector("button[id='signUpButton'")).click(); Thread.sleep(2000L);

assertEquals(driver.getCurrentUrl(), "http://localhost:4200/login");

}

@Test

public void registerUser2() throws InterruptedException {

driver.get("http://localhost:4200/register"); driver.findElement(By.cssSelector("input[name='firstName'")).sendKeys("Rajesh"); driver.findElement(By.cssSelector("input[name='lastName'")).sendKeys("kumar"); driver.findElement(By.id("next")).click();

assertEquals(driver.getCurrentUrl(), "http://localhost:4200/register/contactDetails");

//Contact Details

m");

driver.findElement(By.cssSelector("input[name='email'")).sendKeys("[rajeshkumar@gmail.co](mailto:rajeshkumar@gmail.co)

driver.findElement(By.cssSelector("input[name='phone'")).sendKeys("8877887788"); driver.findElement(By.id("next")).click();

assertEquals(driver.getCurrentUrl(), "http://localhost:4200/register/kycDetails");

//Kyc Details driver.findElement(By.cssSelector("input[name='dob'")).click();

driver.findElement(By.cssSelector("input[name='dob'")).sendKeys("02/02/2000");

driver.findElement(By.cssSelector("input[name='pancard'")).sendKeys("GJOH19165"); driver.findElement(By.id("next")).click();

assertEquals(driver.getCurrentUrl(), "http://localhost:4200/register/addressDetails");

Silver Oaks"); Road");

//Address Details driver.findElement(By.cssSelector("input[name='addressLine1'")).sendKeys("C-1

driver.findElement(By.cssSelector("input[name='addressLine2'")).sendKeys("SV

driver.findElement(By.cssSelector("input[name='addressLine3'")).sendKeys("Borivali");

driver.findElement(By.cssSelector("input[name='addressLine4'")).sendKeys("Mumbai, Maharashtra");

driver.findElement(By.cssSelector("input[name='addressLine5'")).sendKeys("400067"); driver.findElement(By.id("next")).click();

assertEquals(driver.getCurrentUrl(), "http://localhost:4200/register/userRegistration");

//User Registration driver.findElement(By.cssSelector("input[name='userName'")).sendKeys("ramkrishna"); driver.findElement(By.cssSelector("input[name='password'")).sendKeys("test@1234");

4");

driver.findElement(By.cssSelector("input[name='confirm\_password'")).sendKeys("test@123

driver.findElement(By.cssSelector("input[name='tnc'")).click(); driver.findElement(By.cssSelector("button[id='signUpButton'")).click(); Thread.sleep(2000L);

assertEquals(driver.getCurrentUrl(), "http://localhost:4200/login");

}

@AfterTest

public void cleanUp() {

driver.close();

}

}

package frontEndTesting;

import static org.testng.Assert.assertEquals;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.Alert; import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver; import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeTest; import org.testng.annotations.Test;

public class RequestChequeBookTest {

WebDriver driver; @BeforeTest

public void setUp() {

System.setProperty("webdriver.chrome.driver", "C:\\Users\\Lenovo\\Desktop\\Comviva Training\\Phase 5\\SeleniumTesting Workspace\\chromedriver.exe");

driver = new ChromeDriver(); driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);

driver.manage().window().maximize(); driver.get("localhost:4200/login");

}

@Test

public void requestChequeBook() throws InterruptedException {

driver.findElement(By.cssSelector("input[name='email']")).sendKeys("[ramk42148@gmail.co](mailto:ramk42148@gmail.co)

m");

driver.findElement(By.cssSelector("input[name='password']")).sendKeys("test@1234"); driver.findElement(By.id("loginButton")).click(); driver.findElement(By.id("chequebookRequestLink")).click(); driver.findElement(By.id("chequebookRequestPrimary")).click(); driver.findElement(By.xpath("//button[text()='Submit Request']")).click(); Thread.sleep(1000L);

Alert alert = driver.switchTo().alert(); String msg = alert.getText(); alert.accept();

assertEquals(msg, "Chequebook request submiited");

}

@AfterTest

public void cleanUp() {

driver.close();

}

}

package frontEndTesting;

import static org.testng.Assert.assertEquals;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.Alert; import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver; import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeTest; import org.testng.annotations.Test; import frontEndTesting.LoginTest;

public class TransferFundTest { WebDriver driver; @BeforeTest

public void setUp() {

System.setProperty("webdriver.chrome.driver", "C:\\Users\\Lenovo\\Desktop\\Comviva Training\\Phase 5\\SeleniumTesting Workspace\\chromedriver.exe");

driver = new ChromeDriver(); driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);

driver.manage().window().maximize(); driver.get("localhost:4200");

}

@Test

public void transferFund() throws InterruptedException {

driver.findElement(By.cssSelector("input[name='email']")).sendKeys("[ramk42148@gmail.co](mailto:ramk42148@gmail.co)

m");

driver.findElement(By.cssSelector("input[name='password']")).sendKeys("test@1234"); driver.findElement(By.id("loginButton")).click(); driver.findElement(By.linkText("Transfer")).click();;

//Filling Up transfer fund form driver.findElement(By.id("beneficiaryName")).sendKeys("Rajesh kumar"); driver.findElement(By.id("beneficiaryAccountNumber")).sendKeys("22113346"); driver.findElement(By.id("beneficiaryIFSCCode")).sendKeys("ICIN00105"); driver.findElement(By.id("amountToBeTransfered")).sendKeys("100"); driver.findElement(By.id("description")).sendKeys("Fund Transfer"); driver.findElement(By.id("tranferFundButton")).click();

Thread.sleep(2000L);

Alert alert = driver.switchTo().alert(); String text = alert.getText(); System.out.println(text); alert.accept();

assertEquals(text, "Transaction Successfull"); driver.navigate().back();

}

@Test

public void transferFundGreaterThanBalance() throws InterruptedException {

driver.findElement(By.linkText("Transfer")).click();;

//Filling Up transfer fund form driver.findElement(By.id("beneficiaryName")).sendKeys("Rajesh kumar"); driver.findElement(By.id("beneficiaryAccountNumber")).sendKeys("22113346"); driver.findElement(By.id("beneficiaryIFSCCode")).sendKeys("ICIN00105"); driver.findElement(By.id("amountToBeTransfered")).sendKeys("10000"); driver.findElement(By.id("description")).sendKeys("Fund Transfer"); driver.findElement(By.id("tranferFundButton")).click();

Thread.sleep(2000L);

Alert alert = driver.switchTo().alert(); String text = alert.getText(); System.out.println(text); alert.accept();

assertEquals(text, "Insufficient funds"); driver.navigate().back();

}

@Test

public void transferFundWithIncorrectAccountNumber() throws InterruptedException {

driver.findElement(By.linkText("Transfer")).click();;

//Filling Up transfer fund form driver.findElement(By.id("beneficiaryName")).sendKeys("Rajesh kumar"); driver.findElement(By.id("beneficiaryAccountNumber")).sendKeys("221133467"); driver.findElement(By.id("beneficiaryIFSCCode")).sendKeys("ICIN00105"); driver.findElement(By.id("amountToBeTransfered")).sendKeys("10");

driver.findElement(By.id("description")).sendKeys("Fund Transfer"); driver.findElement(By.id("tranferFundButton")).click(); Thread.sleep(2000L);

Alert alert = driver.switchTo().alert(); String text = alert.getText(); System.out.println(text); alert.accept();

//assertEquals(text, "Transaction failed Incorrect benificiary account number"); driver.navigate().back();

}

@AfterTest

public void cleanUp() {

driver.close();

}

}

package frontEndTesting;

import static org.testng.Assert.assertEquals;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.Alert; import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.annotations.AfterTest; import org.testng.annotations.BeforeTest; import org.testng.annotations.Test;

public class ViewPrimaryAccountTest {

WebDriver driver; @BeforeTest

public void setUp() {

System.setProperty("webdriver.chrome.driver", "C:\\Users\\Lenovo\\Desktop\\Comviva Training\\Phase 5\\SeleniumTesting Workspace\\chromedriver.exe");

driver = new ChromeDriver(); driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);

driver.manage().window().maximize(); driver.get("localhost:4200/login");

}

@Test

public void requestChequeBook() throws InterruptedException {

driver.findElement(By.cssSelector("input[name='email']")).sendKeys("[ramk42148@gmail.co](mailto:ramk42148@gmail.co)

m");

driver.findElement(By.cssSelector("input[name='password']")).sendKeys("test@1234"); driver.findElement(By.id("loginButton")).click(); driver.findElement(By.id("viewPrimaryAccountDetails")).click(); driver.navigate().back(); driver.findElement(By.id("viewPrimaryAccountDetails")).click();

//viewSavingAccountDetails

}

@AfterTest

public void cleanUp() {

driver.close();

}

}

package frontEndTesting;

import static org.testng.Assert.assertEquals;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.Alert; import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver; import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeTest; import org.testng.annotations.Test;

public class ViewSecondaryAccountTest {

WebDriver driver; @BeforeTest

public void setUp() {

System.setProperty("webdriver.chrome.driver", "C:\\Users\\Lenovo\\Desktop\\Comviva Training\\Phase 5\\SeleniumTesting Workspace\\chromedriver.exe");

driver = new ChromeDriver();

driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS); driver.manage().window().maximize();

driver.get("localhost:4200/login");

}

@Test

public void requestChequeBook() throws InterruptedException {

driver.findElement(By.cssSelector("input[name='email']")).sendKeys("[ramk42148@gmail.co](mailto:ramk42148@gmail.co)

m");

driver.findElement(By.cssSelector("input[name='password']")).sendKeys("test@1234"); driver.findElement(By.id("loginButton")).click(); driver.findElement(By.id("viewSavingAccountDetails")).click(); driver.navigate().back();

}

@AfterTest

public void cleanUp() {

driver.close();

}

}

package frontEndTesting;

import static org.testng.Assert.assertEquals;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.Alert; import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver; import org.openqa.selenium.support.ui.Select; import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeTest; import org.testng.annotations.Test;

public class WithdrawFundTest { WebDriver driver; @BeforeTest

public void setUp() {

System.setProperty("webdriver.chrome.driver", "C:\\Users\\Lenovo\\Desktop\\Comviva Training\\Phase 5\\SeleniumTesting Workspace\\chromedriver.exe");

driver = new ChromeDriver(); driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);

driver.manage().window().maximize(); driver.get("localhost:4200/login");

}

@Test

public void withdrawFundInPrimaryAccount() throws InterruptedException {

driver.findElement(By.cssSelector("input[name='email']")).sendKeys("[ramk42148@gmail.co](mailto:ramk42148@gmail.co)

m");

driver.findElement(By.cssSelector("input[name='password']")).sendKeys("test@1234"); driver.findElement(By.id("loginButton")).click(); driver.findElement(By.id("withdrawFudSection")).click();

//Depositing money in primary account driver.findElement(By.id("amountToWithdrawn")).sendKeys("100");

}

@Test

driver.findElement(By.id("withdrawMoneyButton")).click(); Thread.sleep(1000L);

Alert alert = driver.switchTo().alert(); String message = alert.getText();

assertEquals(message, "Money Withdrawn successfully!!"); alert.accept();

public void withdrawFundInSavingAccount() throws InterruptedException {

driver.findElement(By.id("withdrawFudSection")).click();

Select accounts = new Select(driver.findElement(By.id("accountType"))); accounts.selectByIndex(1);

//Depositing money in saving account driver.findElement(By.id("amountToWithdrawn")).sendKeys("100");

driver.findElement(By.id("withdrawMoneyButton")).click(); Thread.sleep(1000L);

Alert alert = driver.switchTo().alert(); String message = alert.getText();

assertEquals(message, "Money Withdrawn successfully!!"); alert.accept();

}

@Test

public void withdrawingAmountGreaterThanCurrentAmounForSavingsAccount() throws InterruptedException {

Thread.sleep(1000L); driver.navigate().back();

driver.findElement(By.id("withdrawFudSection")).click();

Select accounts = new Select(driver.findElement(By.id("accountType"))); accounts.selectByIndex(1);

//Depositing money in saving account driver.findElement(By.id("amountToWithdrawn")).sendKeys("10000");

driver.findElement(By.id("withdrawMoneyButton")).click(); Thread.sleep(1000L);

Alert alert = driver.switchTo().alert(); String message = alert.getText();

assertEquals(message, "Insufficient Funds"); alert.accept();

}

@Test

public void withdrawingAmountGreaterThanCurrentAmounForPrimaryAccount() throws InterruptedException {

driver.findElement(By.id("withdrawFudSection")).click();

//Depositing money in saving account driver.findElement(By.id("amountToWithdrawn")).sendKeys("10000");

driver.findElement(By.id("withdrawMoneyButton")).click(); Thread.sleep(1000L);

Alert alert = driver.switchTo().alert(); String message = alert.getText();

assertEquals(message, "Insufficient Funds");

alert.accept();

}

@AfterTest

public void cleanUp() {

driver.close();

}

}