Capstone Project - Source Codes

ICIN BANK

Name :- Dhananjay Pimpalshende
Date :- 28/02/2023

My Github Link:

https://github.com/Dhananjaypimpalshende/ICINBANK.git

```java
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;
```

```java
        @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.com");

        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;
```

```java
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.com");

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

```java
        driver.findElement(By.id("loginButton")).click();

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


        //Depositing money in primary 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();
}
@Test
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
```

```java
        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");

        }
```

```java
@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");
        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");

        //Address Details
        driver.findElement(By.cssSelector("input[name='addressLine1']")).sendKeys("C-1
Silver Oaks");
        driver.findElement(By.cssSelector("input[name='addressLine2']")).sendKeys("SV
Road");

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

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

```java
        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");

        driver.findElement(By.cssSelector("input[name='confirm_password'"")).sendKeys("test@123
4");

        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
```

```java
        driver.findElement(By.cssSelector("input[name='email']")).sendKeys("rajeshkumar@gmail.com");

                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");


                //Address Details

                driver.findElement(By.cssSelector("input[name='addressLine1']")).sendKeys("C-1 Silver Oaks");

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

        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");
```

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

                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 {
```

```java
        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
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() {
```

```java
            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");
```

```java
        }


    @Test
    public void transferFund() throws InterruptedException  {


        driver.findElement(By.cssSelector("input[name='email']")).sendKeys("ramk42148@gmail.com");

        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
```

```java
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");
```

```java
                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;
```

```java
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.com");

        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



        }
```

```java
        @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();
```

```java
                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.com");

    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;
```

```java
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.com");
```

```java
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");


        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 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();
}
```

```java
@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");
```

```java
            alert.accept();

    }


    @AfterTest
    public void cleanUp() {

            driver.close();

    }


}
```