

Capstone Project - Source Codes

ICIN BANK

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```
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
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  
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");
```

```
        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
        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");
```

```
    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");
        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
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");
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 {
    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 submitted");

    }

```

```

        @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
import org.openqa.selenium.By;        import
import org.openqa.selenium.WebDriver; import
import org.openqa.selenium.chrome.ChromeDriver; import
import org.testng.annotations.AfterTest; import
import org.testng.annotations.BeforeTest; import
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
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("amountToBeTransferred")).sendKeys("100");
driver.findElement(By.id("description")).sendKeys("Fund Transfer");
driver.findElement(By.id("transferFundButton")).click();

        Thread.sleep(2000L);

        Alert alert = driver.switchTo().alert();

        String text = alert.getText();

        System.out.println(text);                alert.accept();

        assertEquals(text, "Transaction Successful");

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("amountToBeTransferred")).sendKeys("10000");
        driver.findElement(By.id("description")).sendKeys("Fund Transfer");
        driver.findElement(By.id("transferFundButton")).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("amountToBeTransferred")).sendKeys("10");
driver.findElement(By.id("description")).sendKeys("Fund Transfer");

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

        Thread.sleep(2000L);

        Alert alert = driver.switchTo().alert();

        String text = alert.getText();

System.out.println(text);                alert.accept();

        //assertEquals(text, "Transaction failed Incorrect beneficiary 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
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
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
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");


        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();

    }

    @Test

    public void withdrawingAmountGreaterThanCurrentAmountForSavingsAccount() 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 withdrawingAmountGreaterThanCurrentAmountForPrimaryAccount() 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();

    }

}
```