
Capstone Project - Source Codes

ICIN BANK

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My Github Link:

<https://github.com/daveshubham99/Capstone-Project>

```
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\\SeleniumTestingWorkspace\\
\\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\\SeleniumTestingWorkspace\\  
\\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\\SeleniumTestingWorkspace\\
\\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\\SeleniumTestingWorkspace\\
\\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 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\\SeleniumTestingWorkspace\\
\\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("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("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("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
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\\SeleniumTestingWorkspace\\  
\\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();
    }
}
```