

Test case- 01:

The login functionality on the W3Schools login page is working as expected by entering valid data user can successfully log in and verifying successful login, and also verify that appropriate error messages are displayed if no input data is entered in the login fields.

```
package test1;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

public class DemoLogInTest {

    public static void main(String[] args) {

        System.setProperty("webdriver.chrome.driver", "C:\\\\BrowserDriver\\\\chromedriver.exe");

        ChromeDriver driver = new ChromeDriver();

        driver.get("https://profile.w3schools.com/");

        driver.manage().window().maximize();

        driver.findElement(By.className("Button_button__URNp+")).click();

        try {

            Thread.sleep(4000);

        } catch (InterruptedException e) {

            e.printStackTrace();

        }

        driver.findElement(By.id("modalusername"))

            .sendKeys("tanima.islam3012@gmail.com");

        driver.findElement(By.id("current-password"))

            .sendKeys("Toni3028@");

        driver.findElement(By.className("Button_button__URNp+")).click();

    }

}
```

Test case- 02: Verify that a user can successfully sign up in W3Schools with entering valid data and. Also, verify that appropriate error messages are displayed when no input data is given and invalid data is entered in the input field during sign up process.

```
package test3;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

public class SignUp {

    public static void main(String[] args) {

        System.setProperty("webdriver.chrome.driver", "C:\\\\BrowserDriver\\\\chromedriver.exe");

        ChromeDriver driver = new ChromeDriver();

        driver.get("https://profile.w3schools.com/sign-up");

        driver.manage().window().maximize();

        driver.findElement(By.className("Button_button__URNp+")).click();

        try {

            Thread.sleep(4000);

        } catch (InterruptedException e) {

            e.printStackTrace();

        }

        driver.findElement(By.id("modalusername"))

            .sendKeys("tanima.islam3012@gmail.com");

        driver.findElement(By.id("new-password"))

            .sendKeys("61122481Blue");

        driver.findElement(By.className("Button_button__URNp+")).click();

        try {

            Thread.sleep(4000);
```

```

        } catch (InterruptedException e) {
e.printStackTrace();
        }

driver.findElement(By.id("new-password"))

        .sendKeys("61122481Blue@");

driver.findElement(By.className("Button_button__URNp+")).click();

driver.findElement(By.id("modal_first_name"))

        .sendKeys("Tanima");

driver.findElement(By.id("modal_last_name"))

        .sendKeys("Islam");

driver.findElement(By.className("Button_button__URNp+")).click();
    }
}

```

Test case- 03: Verifying that the menu bar of W3Schools is working properly

```

package test4;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

public class CourseMetarial {

    public static void main(String[] args) {

        System.setProperty("webdriver.chrome.driver", "C:\\\\BrowserDriver\\\\chromedriver.exe");

        ChromeDriver driver = new ChromeDriver();

        driver.get("https://www.w3schools.com/");

        driver.manage().window().maximize();

        driver.findElement(By.id("navbtn_references")).click();
    }
}

```

```

        try {
            Thread.sleep(4000);
        } catch (InterruptedException e) {
            e.printStackTrace();
        }
    }
    driver.findElement(By.id("navbtn_exercises")).click();

    try {
        Thread.sleep(4000);
    } catch (InterruptedException e) {
        e.printStackTrace();
    }

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

    try {
        Thread.sleep(4000);
    } catch (InterruptedException e) {
        e.printStackTrace();
    }

    WebElement link = driver.findElement(By.linkText("Learn HTML"));
    link.click();
}
}

```

Test case- 04: Verifying that the searching functionality of W3Schools is working properly

```
package test5;
```

```
import org.openqa.selenium.chrome.ChromeDriver;
```

```
import org.openqa.selenium.WebElement;
```

```
import org.openqa.selenium.By;
```

```
import org.openqa.selenium.WebDriver;

public class search {

    public static void main(String[] args) {

        System.setProperty("webdriver.chrome.driver", "C:\\\\BrowserDriver\\\\chromedriver.exe");

        ChromeDriver driver = new ChromeDriver();

        driver.get("https://www.w3schools.com/");

        driver.manage().window().maximize();

        driver.findElement(By.id("search2"))

            .sendKeys("Python Tutorial");

        try {

            Thread.sleep(2000);

        } catch (InterruptedException e) {

            e.printStackTrace();

        }

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

        driver.get("https://www.w3schools.com/");

        driver.findElement(By.id("search2"))

            .sendKeys("JavaScript");

        try {

            Thread.sleep(2000);

        } catch (InterruptedException e) {

            e.printStackTrace();

        }

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

    }

}
```

Test case- 05: Verifying Forget password link is working

```
package test2;

import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;

public class ForgetPassword {

    public static void main(String[] args) {

        System.setProperty("webdriver.chrome.driver", "C:\\\\BrowserDriver\\\\chromedriver.exe");

        ChromeDriver driver = new ChromeDriver();

        driver.get("https://profile.w3schools.com/");

        driver.manage().window().maximize();

        WebElement forgotPasswordLink = driver.findElement(By.linkText("Forgot password?"));

        String linkUrl = forgotPasswordLink.getAttribute("href");

        driver.get(linkUrl);

    }

}
```