

# **E-TICARET UYGULAMASI TEST OTOMASYONU SUNUMU**

# **TEST OTOMASYONU İÇİN İZLENEN ADIMLAR**

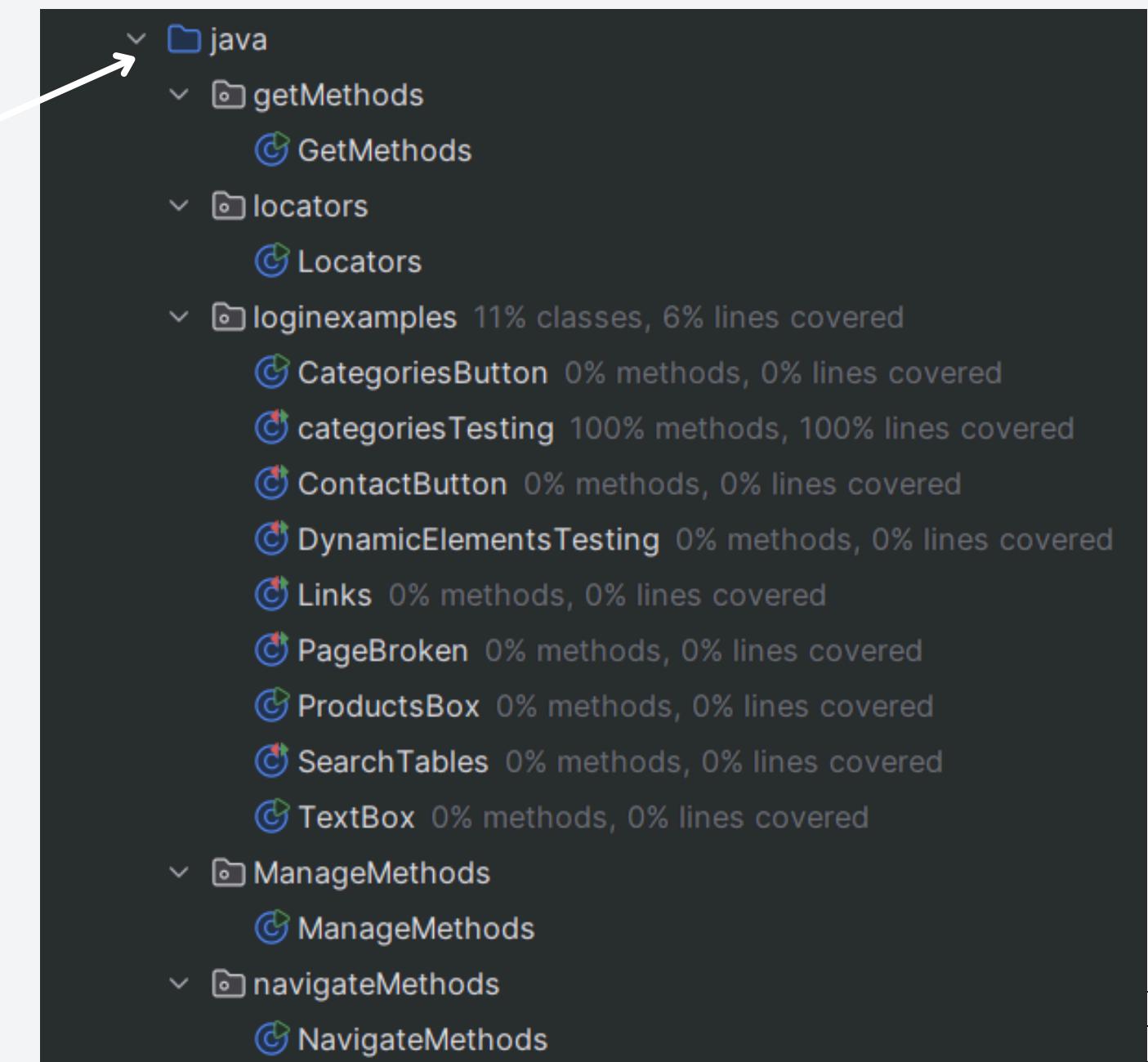
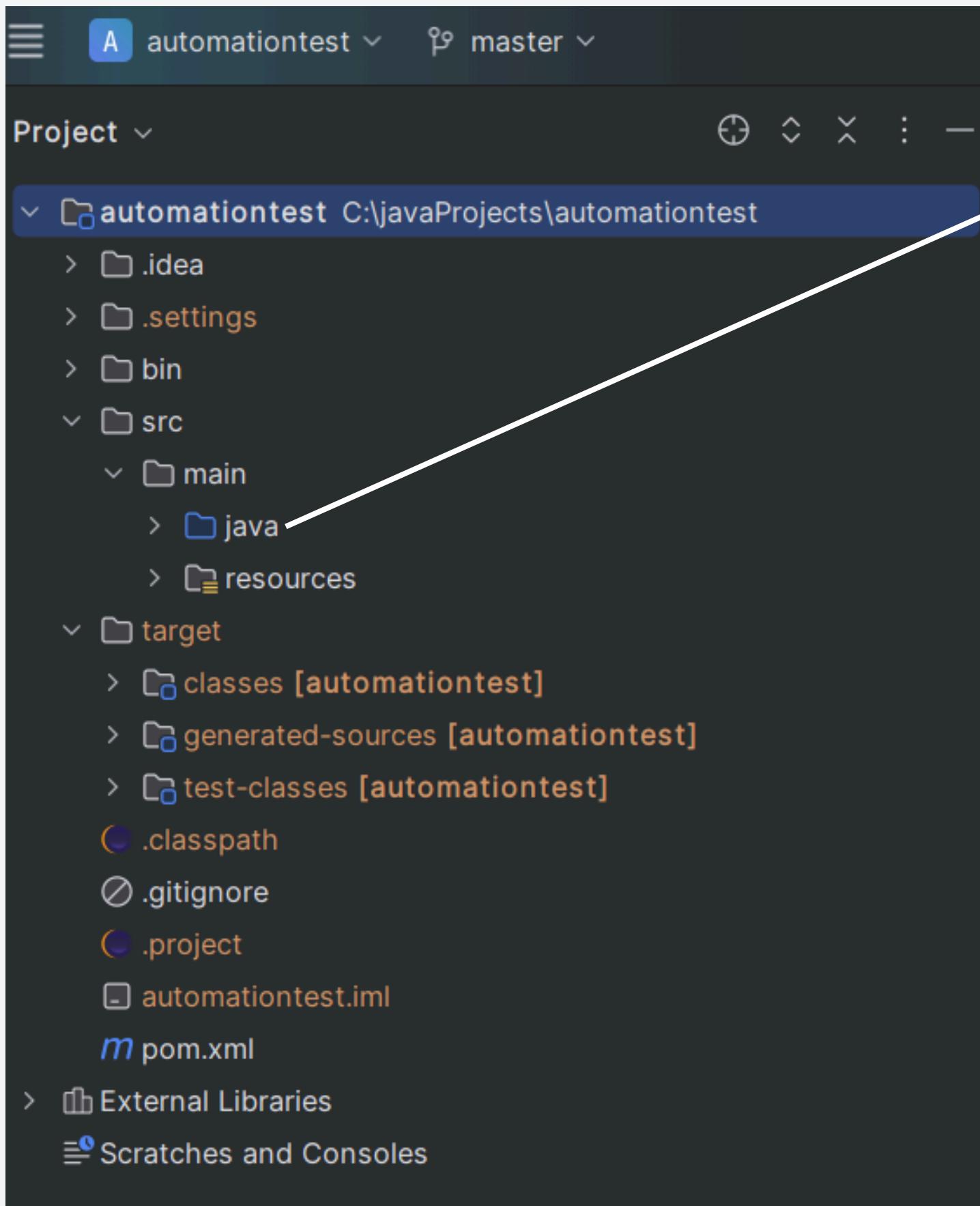
- **Test planı ve Stratejisi Oluşturma,**  
**(Kaynak araştırması, Zaman planı, Test aracı, test tipleri, senaryoları, metrikleri belirleme.)**
- **Test Ortamını kurma,**  
**(Selenium, TestNG, Cucumber, Maven, Gradle vb. Test araçları inceleme.)**
- **Veri Hazırlama,**  
**(Test Verilerini oluşturma)**
- **Test Kodunu Yazma.**  
**(Birleşim, Entegrasyon, Sistem, Kabul vb. testleri detaylı inceleme.)**



JVM(Java Sanal Makineleri tüm Platformlarda çalışır),  
JRE(Programın Çalışması için asgari seviyede dosyayı tutar),  
JDK(JRE+JVM)-Projemde JDK kullandım.-



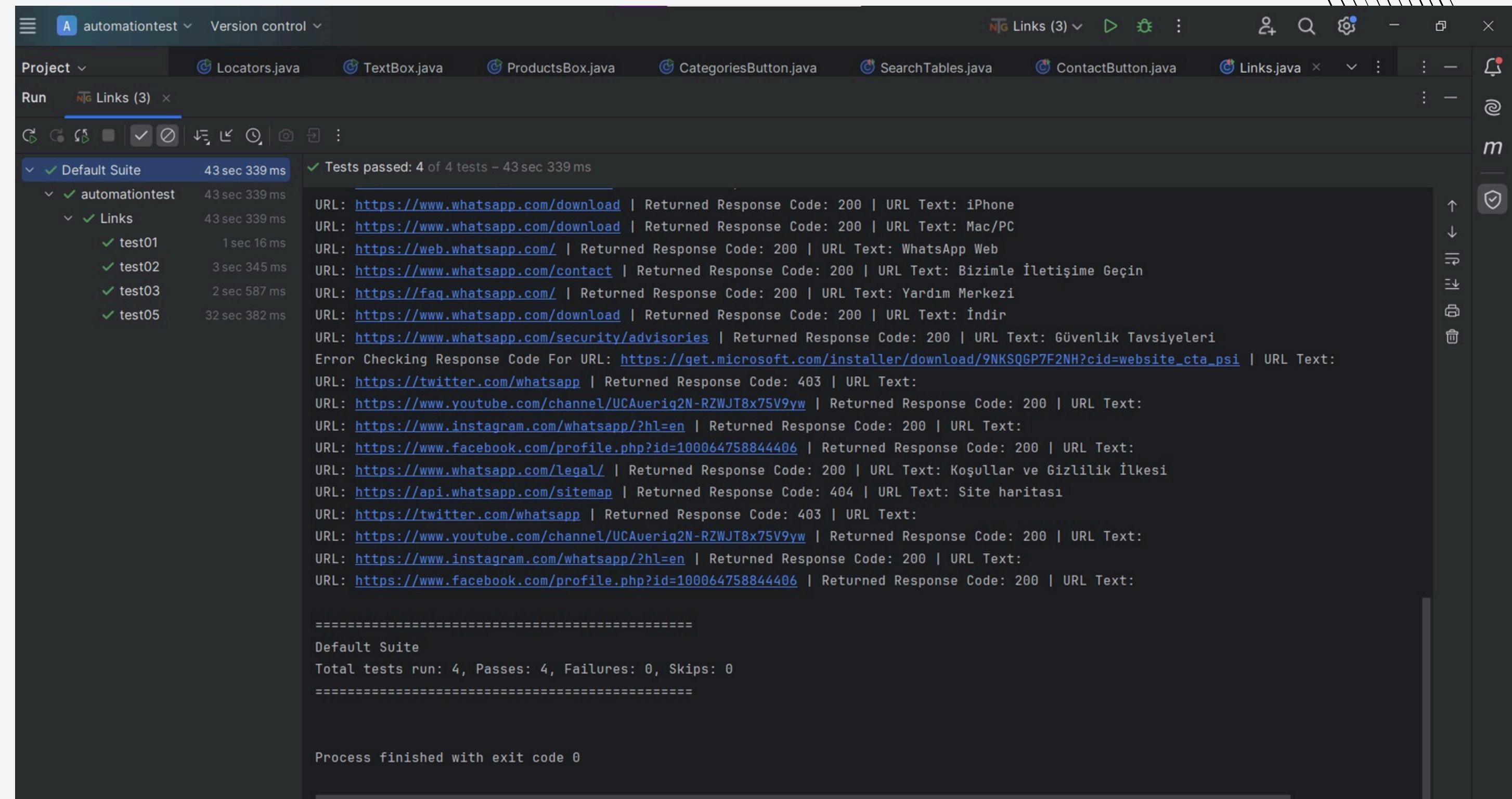
Projemde IntelliJ IDEA kullanmış olup Selenium, TestNG, Maven'dan da yararlandım.



Yazmış olduğum tüm Java kodlarım bu şekilde  
Classlarım içerisinde yer almaktadır .  
<https://github.com/aysenurrbilgic/automationtest.git>

- Classlarımın içeriğini eklemiş olduğum GitHub bağlantımı tıklayarak inceleyebilirsiniz.
- <https://github.com/aysenurrbilgic/automationtest.git>
- Şimdi sizlerle her bir kılasmının execute olduğu durumlarda aldığım sonuçlarımı paylaşmak isterim.

Links java Classımın execute edildiğinde almiş olduğum çıktı ekranını görmektesiniz:



```
automationtest Version control

Project Automationtest Locators.java TextBox.java ProductsBox.java CategoriesButton.java SearchTables.java ContactButton.java Links.java

Run Links (3) ×

Default Suite 43 sec 339 ms
  automationtest 43 sec 339 ms
    Links 43 sec 339 ms
      test01 1 sec 16 ms
      test02 3 sec 345 ms
      test03 2 sec 587 ms
      test05 32 sec 382 ms

  ✓ Tests passed: 4 of 4 tests – 43 sec 339 ms

URL: https://www.whatsapp.com/download | Returned Response Code: 200 | URL Text: iPhone
URL: https://www.whatsapp.com/download | Returned Response Code: 200 | URL Text: Mac/PC
URL: https://web.whatsapp.com/ | Returned Response Code: 200 | URL Text: WhatsApp Web
URL: https://www.whatsapp.com/contact | Returned Response Code: 200 | URL Text: Bizimle İletişime Geçin
URL: https://faq.whatsapp.com/ | Returned Response Code: 200 | URL Text: Yardım Merkezi
URL: https://www.whatsapp.com/download | Returned Response Code: 200 | URL Text: İndir
URL: https://www.whatsapp.com/security/advisories | Returned Response Code: 200 | URL Text: Güvenlik Tavsiyeleri
Error Checking Response Code For URL: https://get.microsoft.com/installer/download/9NKSQGP7F2NH?cid=website_cta_psi | URL Text:
URL: https://twitter.com/whatsapp | Returned Response Code: 403 | URL Text:
URL: https://www.youtube.com/channel/UCAuerig2N-RZWJT8x75V9yw | Returned Response Code: 200 | URL Text:
URL: https://www.instagram.com/whatsapp/?hl=en | Returned Response Code: 200 | URL Text:
URL: https://www.facebook.com/profile.php?id=100064758844406 | Returned Response Code: 200 | URL Text:
URL: https://www.whatsapp.com/legal/ | Returned Response Code: 200 | URL Text: Koşullar ve Gizlilik İlkesi
URL: https://api.whatsapp.com/sitemap | Returned Response Code: 404 | URL Text: Site haritası
URL: https://twitter.com/whatsapp | Returned Response Code: 403 | URL Text:
URL: https://www.youtube.com/channel/UCAuerig2N-RZWJT8x75V9yw | Returned Response Code: 200 | URL Text:
URL: https://www.instagram.com/whatsapp/?hl=en | Returned Response Code: 200 | URL Text:
URL: https://www.facebook.com/profile.php?id=100064758844406 | Returned Response Code: 200 | URL Text:

=====
Default Suite
Total tests run: 4, Passes: 4, Failures: 0, Skips: 0
=====

Process finished with exit code 0
```

SearchTables.java Classımın execute edildiğinde almış olduğum çıktı ekranını görmektesiniz:

```
Cover  NG SearchTables x :  
Default Suite  28 sec 803 ms  
  automationtest  28 sec 803 ms  
    SearchTables  28 sec 803 ms  
      test01  1 sec 322 ms  
      test02  1 sec 795 ms  
      test03  39 ms  
      test04  1 sec 290 ms  
      test05  1 sec 282 ms  
      test06  1 sec 280 ms  
      test07  31 ms  
      test08  3 sec 800 ms  
      test09  13 sec 276 ms  
Tests passed: 9 of 9 tests – 28 sec 803 ms  
actualFirstRowsMessage: Mağazaya Soru Sor  
Kategori Listesi : Figür - Büst  
Dekoratif Objeler Biblo  
Çok Amaçlı Düzenleyiciler  
Pratik Ev Eşyaları  
Telefon Aksesuarları  
Oto Aksesuar  
STATE: false  
Sixth category is full  
actualFirstRowsMessage: AVOKADO KREM  
=====  
Default Suite  
Total tests run: 9, Passes: 9, Failures: 0, Skips: 0  
=====  
Process finished with exit code 0
```

PageBroken.java Classımın execute edildiğinde almış olduğum çıktı ekranını görmektesiniz:

The screenshot shows a Java IDE interface with the following details:

- Project:** automationtest
- Test Case:** PageBroken.test04
- Status:** Tests passed: 1 of 1 test – 6 sec 527 ms
- Test Log:** The log output displays numerous error messages related to URL response codes and text content, indicating that the test is failing for many URLs.

```
✓ Tests passed: 1 of 1 test – 6 sec 527 ms
Error Checking Response Code For URL: null | URL Text:
Error Checking Response Code For URL: null | URL Text:
Error Checking Response Code For URL: null | URL Text:
Error Checking Response Code For URL: null | URL Text:
Error Checking Response Code For URL: null | URL Text:
Error Checking Response Code For URL: null | URL Text: 05464507043
Error Checking Response Code For URL: null | URL Text:
Error Checking Response Code For URL: null | URL Text:
Error Checking Response Code For URL: null | URL Text:
Error Checking Response Code For URL: null | URL Text:
Error Checking Response Code For URL: null | URL Text:
Error Checking Response Code For URL: null | URL Text: 3D ÜRÜNLER
Error Checking Response Code For URL: null | URL Text: Hakkımızda
Error Checking Response Code For URL: null | URL Text: Gizlilik Politikası
Error Checking Response Code For URL: null | URL Text: Teslimat ve İade
Error Checking Response Code For URL: null | URL Text: Mesafeli Satış Sözleşmesi
Error Checking Response Code For URL: null | URL Text: Üyelik Sözleşmesi
Error Checking Response Code For URL: null | URL Text: Kullanım Koşulları
Error Checking Response Code For URL: null | URL Text: Aydınlatma ve Rıza Metni
Error Checking Response Code For URL: null | URL Text: Sipariş Takibi
Error Checking Response Code For URL: null | URL Text: Ödeme Bildirimleri
Error Checking Response Code For URL: null | URL Text: Banka Hesaplarımız
Error Checking Response Code For URL: null | URL Text: İletişim
Error Checking Response Code For URL: null | URL Text: Popüler Ürünler
Error Checking Response Code For URL: null | URL Text: Mağaza Aç
Error Checking Response Code For URL: null | URL Text: Mağaza Giriş
Error Checking Response Code For URL: null | URL Text: Mağazalar
```

NavigateMethods.java Classımın execute edildiğinde almış olduğum çıktı ekranını görmektesiniz:

The screenshot shows a Java IDE interface with a dark theme. The top navigation bar includes tabs for 'automationtest' and 'Version control'. Below the tabs, there's a 'Project' dropdown and a list of files: 'NavigateMethods.java' (selected), 'PageBroken.java', 'DynamicElementsTesting.java', and 'pom.xml (automationtest)'. The main code editor window displays the following Java code:

```
import org.openqa.selenium.chrome.ChromeDriver;
public class NavigateMethods {
```

Below the code editor is a terminal window showing the execution results:

```
"C:\Program Files\Java\jdk-22\bin\java.exe" ...
Anasayfa açıldı
3D Ürünler sayfasına gidildi
sayfada geri gelindi
sayfa yenilendi
sayfada ileri gidildi
sayfa kapatılıyor

Process finished with exit code 0
```

The terminal output indicates the execution of the 'NavigateMethods' class, which performs various page navigation actions like opening the homepage, navigating to the 3D products page, and performing back, forward, and refresh operations.

CategoriesTesting.java Test Classımın execute edildiğinde almış olduğum çıktı ekranını görmektesiniz:

The screenshot shows an IDE interface with the following details:

- Project:** automationtest
- File:** categoriesTesting.java
- Run Configuration:** categoriesTesting
- Execution Results:**
  - Default Suite:** 11 sec 20 ms
    - automationtest:** 11 sec 20 ms
      - categoriesTesting:** 11 sec 20 ms
        - test01:** 1 sec 951 ms
        - test02:** 1 sec 290 ms
        - test03:** 1 sec 28 ms
        - test04:** 32 ms
        - test05:** 1 sec 283 ms
        - test06:** 1 sec 273 ms
  - Test Summary:** Tests passed: 6 of 6 tests - 11 sec 20 ms
  - Log Output:**

```
"C:\Program Files\Java\jdk-22\bin\java.exe" ...
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
GAYRET UCUZ OSMANLI OCAGI
=====
Default Suite
Total tests run: 6, Passes: 6, Failures: 0, Skips: 0
=====

Process finished with exit code 0
```

ContactButton.java Test Classımın execute edildiğinde almış olduğum çıktı ekranını görmektesiniz:

The screenshot shows an IDE interface with a dark theme. At the top, there are tabs for 'PageBroken.java', 'ContactButton.java' (which is currently selected), and 'DynamicElementsTesting.java'. Below the tabs, the code for 'ContactButton.java' is displayed, showing imports for Selenium WebDriver, WebElement, ChromeDriver, Actions, JavascriptExecutor, Assert, AfterClass, and BeforeClass.

In the bottom half of the screen, a 'Cover' tab is active, showing the execution results for the 'ContactButton' test. The results are as follows:

- Default Suite**: 33 sec 702 ms
- automationtest**: 33 sec 702 ms
- ContactButton**: 33 sec 702 ms
  - test01**: 1 sec 454 ms
  - test02**: 4 sec 888 ms
  - test03**: 3 sec 846 ms
  - test04**: 3 sec 746 ms
  - test05**: 3 sec 826 ms
  - test06**: 3 sec 586 ms
  - test07**: 3 sec 864 ms
  - test08**: 3 sec 734 ms

The test output window displays the following messages:

- Contact Click Message: Hakkımızda sayfada geri gelindi
- Security Click Message: GİZLİLİK VE GÜVENLİK POLİTİKASI sayfada geri gelindi
- Right Click Message: Teslimat & İade Koşulları
- Sales Contact Message: MESAFELİ SATIŞ SÖZLEŞMESİ
- Sales Contact Message: 4. ÜYELİK ŞARTLARI VE YÜKÜMLÜLÜKLERİ
- Sales Contact Message: Kullanım Koşulları
- Sales Contact Message: Aydınlatma ve Rıza Metni

=====  
Default Suite  
Total tests run: 8, Passes: 8, Failures: 0, Skips: 0  
=====

TextBox.java Classımın execute edildiğinde almış olduğum çıktı ekranını görmektesiniz:

The screenshot shows a Java project named "automationtest" in an IDE. The project structure is visible on the left, with a "src" folder containing "main" and "java" subfolders. Inside "java", there are several files: PageBroken.java, ContactButton.java, Links.java, ProductsBox.java, SearchTables.java, and TextBox.java (which is currently selected). The "Cover" tab at the bottom shows the execution command: "C:\Program Files\Java\jdk-22\bin\java.exe" ... and the output: "Process finished with exit code 0".

```
1 package loginexamples;
2
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.JavascriptExecutor;
5 import org.openqa.selenium.WebDriver;
6 import org.openqa.selenium.WebElement;
7 import org.openqa.selenium.chrome.ChromeDriver;
8 import org.testng.Assert;
9
10
11 public class TextBox {
12
13     static String expectedValidationText = "Üye Değil Misiniz ?"; //3D ÜRÜNLER 1 usage
14     static String Name = "abcde"; //!!!Her deneme için yeniden oluşturunuz!!!! 1 usage
15     static String SurName = "fghj"; //!!!Her deneme için yeniden oluşturunuz!!!! 1 usage
16     static String Telephone = "98745632103"; //!!!Her deneme için yeniden oluşturunuz!!!! 1 usage
17     static String email = "deneme10@test.com"; //!!!Her deneme için yeniden oluşturunuz!!!! 1 usage
18     static String Password = "abc234567"; //!!!Her deneme için yeniden oluşturunuz!!!! 1 usage
19
20     public static void main(String[] args) throws InterruptedException {
21
22
23
24
25
26
27
28
29
2
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52 }
```

DynamicElementsTesting.java Test Classımın execute edildiğinde almış olduğum çıktı ekranını görmektesiniz:

The screenshot shows the IntelliJ IDEA interface with the following details:

- Project View:** Shows the project structure under "automationtest" with "master" selected. The "src/main/java" package contains "getMethods" and "locators" subfolders, and a "GetMethods" class.
- Code Editor:** Displays the content of `DynamicElementsTesting.java`. The code imports various Selenium and TestNG classes.
- Toolbars and Status Bar:** Standard IntelliJ IDEA toolbars and status bar.
- Bottom Panel:** Shows the execution results:
  - Cover:** Default Suite completed in 9 sec 435 ms, with 1 test passed.
  - Output:** Prints the command used to run the test, followed by SLF4J logging information about failed to load the static logger binder, and the final test summary: "Total tests run: 1, Passes: 1, Failures: 0, Skips: 0".
  - Status:** "Process finished with exit code 0".

ProductsBox.java Classımın execute edildiğinde almış olduğum çıktı ekranını görmektesiniz:

The screenshot shows a Java IDE interface with the following details:

- Project Bar:** Shows the project name "automationtest" and branch "master".
- File Bar:** Shows several files: DynamicElementsTesting.java, ProductsBox.java (selected), testNG.xml, PageBroken.java, ContactButton.java, and a few others partially visible.
- Code Editor:** Displays the code for ProductsBox.java. The imports are:

```
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.Assert;
```
- Output Window:** Shows the execution results:

```
"C:\Program Files\Java\jdk-22\bin\java.exe" ...
sayfada geri gelindi
ProductsBox is NOT selected
Figür - Büst
Dekoratif Objeler Biblo
Çok Amaçlı Düzenleyiciler
Pratik Ev Eşyaları
Telefon Aksesuarları
Oto Aksesuar

Process finished with exit code 0
```

ManageMethods.java Classımın execute edildiğinde almış olduğum çıktı ekranını görmektesiniz:

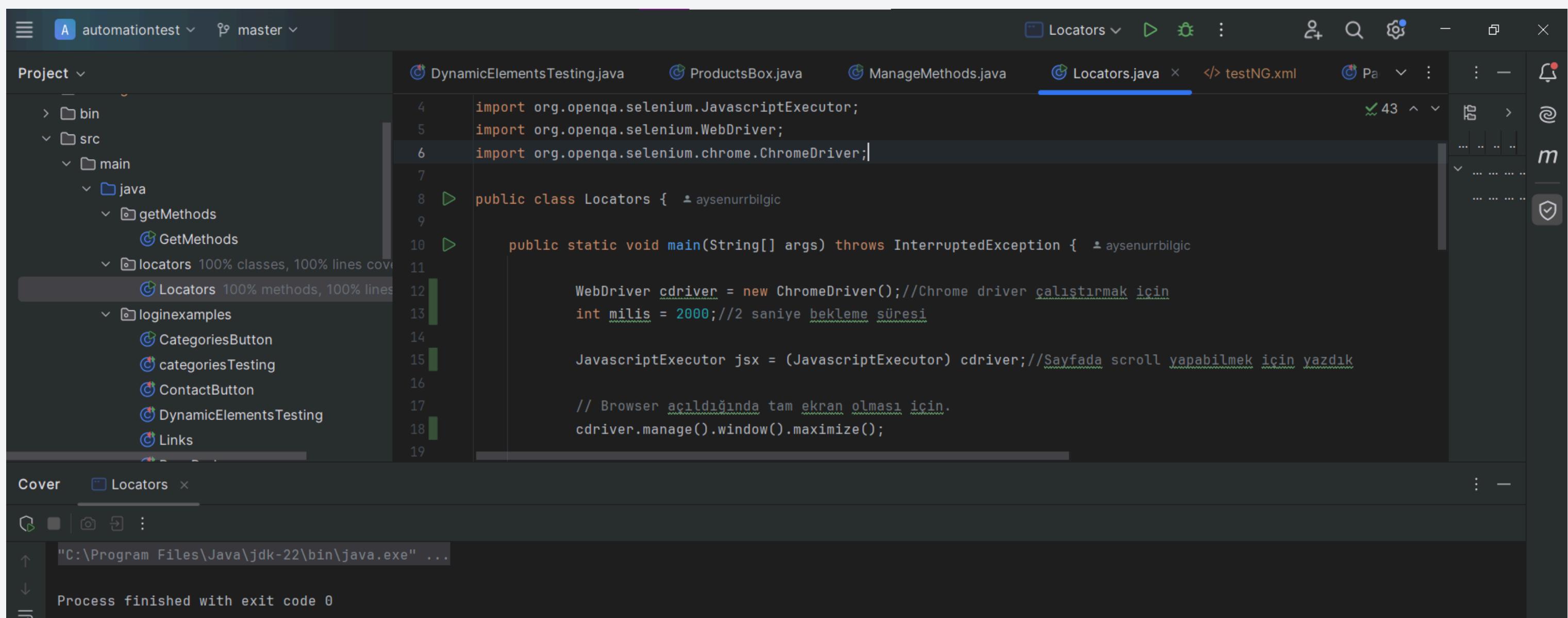
The screenshot shows a Java development environment with the following details:

- Project Structure:** The project is named "automationtest" and contains a "master" branch. The "src" directory has a "main" package with a "java" subpackage containing a "getMethods" folder.
- Open Files:** The "ManageMethods.java" file is open in the editor. It contains the following code:

```
package ManageMethods;
import org.openqa.selenium.Dimension;
import org.openqa.selenium.Point;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
public class ManageMethods {
```
- Test Runner:** A testNG.xml file is visible in the background, indicating the use of TestNG for the tests.
- Output Console:** The bottom pane shows the terminal output of the executed test. It includes:
  - "C:\Program Files\Java\jdk-22\bin\java.exe" ...
  - Mevcut Büyüklük: (1051, 806)
  - Mevcut Konum: (8, 8)
  - Yeni Büyüklük: (803, 604)
  - Yeni Konum: (200, 14)
  - FullScreen Büyüklük: (1536, 864)
  - Maximize Büyüklük: (1552, 840)
  - Minimize Büyüklük: (803, 604)
  - Minimize Konum: (200, 14)

Process finished with exit code 0

Locators.java Classımın execute edildiğinde almış olduğum çıktı ekranını görmektesiniz:



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

public class Locators {
    public static void main(String[] args) throws InterruptedException {
        WebDriver cdriver = new ChromeDriver(); //Chrome driver çalıştırma
        int milis = 2000; //2 saniye bekleme süresi

        JavascriptExecutor jsx = (JavascriptExecutor) cdriver; //Sayfada scroll yapabilmek için yazdık

        // Browser açıldığında tam ekran olması için.
        cdriver.manage().window().maximize();
    }
}
```

GetMethod.java Classımın execute edildiğinde almış olduğum çıktı ekranını görmektesiniz:

The screenshot shows a Java code editor interface with a dark theme. On the left, there's a file tree under the 'main' package, with 'java' and 'getMethods' subfolders. The 'getMethods' folder contains a file named 'GetMethods.java'. The code editor displays the following Java code:

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

public class GetMethods {
    public static void main(String[] args) {
        WebDriver cdriver = new ChromeDriver();
    }
}
```

Below the code editor, a coverage analysis panel titled 'Cover' shows the status of 'GetMethods.java'. It indicates 100% classes and 100% lines covered. The coverage report includes a list of files and their coverage status:

File	Coverage
GetMethods.java	100% methods, 100% lines
Locators.java	100% methods, 100% lines

At the bottom of the editor, there's a terminal window showing the command-line output of the execution:

```
<script src="assets/js/owl.carousel.js"></script>

<script src="assets/js/main.js?v=668bf305a3fcc"></script>

<link rel="stylesheet" href="assets/css/menu.css">

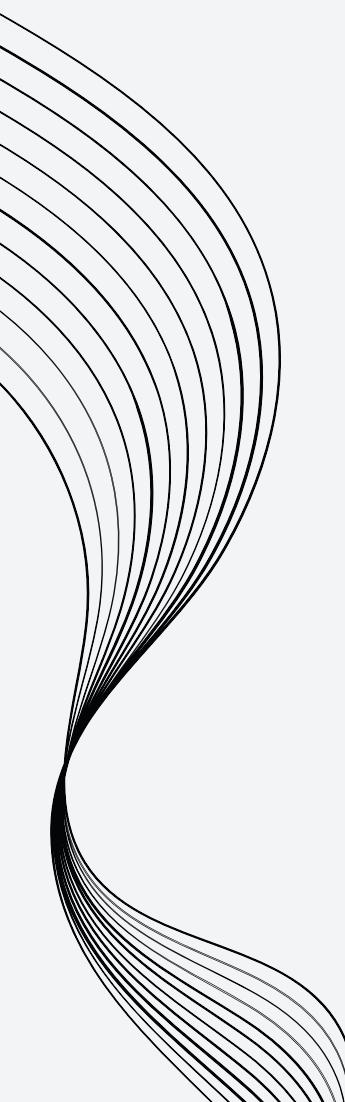
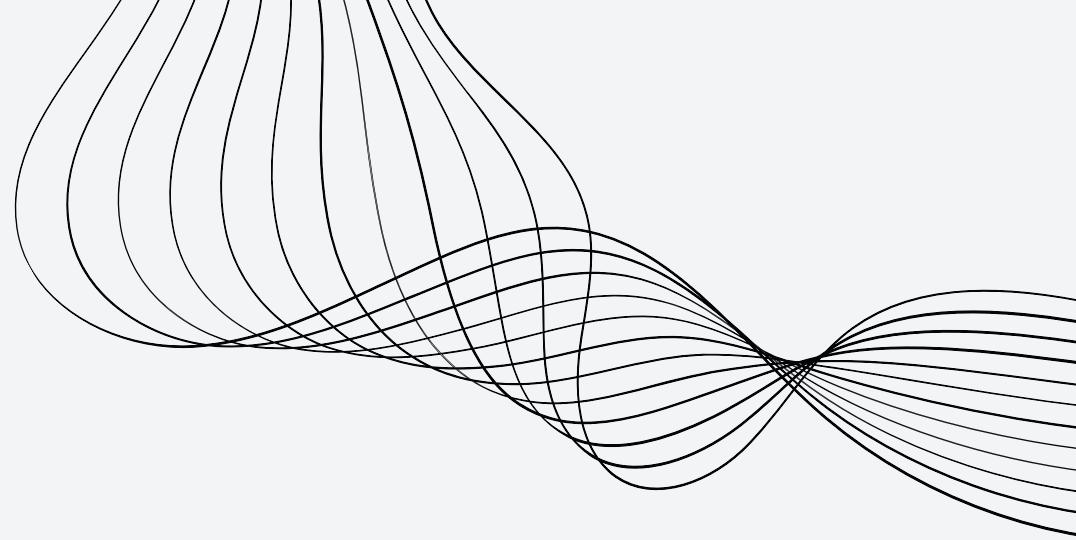
<script src="assets/js/menu.js"></script>

<script src="assets/js/menu-ek.js"></script>

<div id="gb-widget-3233" style="bottom: 14px; right: 16px; box-sizing: border-box; direction: ltr; text-align: right; position: fixed !important; z-index: 16000160 !important; >
```

And the final message:

```
Process finished with exit code 0
```



Hazırlamış olduğum dökümantasyonu incelediğiniz için teşekkür ederim.

Değerlendirmeleriniz sonucunda sizlerle ön görüşme yapmayı çok istedigimi belirtmek isterim. Vermiş olduğunuz 4 gün süre zarfında elimden gelenin fazlasını yaptığıma emin olabilirsınız.

<https://github.com/aysenurrbilgic/automationtest>

Sağlıcakla kalın.  
Ayşenur Bilgiç