

## Steps to set up the project in local machine.

- 1- JDK development needed
- 2- Install the latest version of Eclipse with maven included <https://eclipseide.org/>
- 3- Install TestNG from eclipse

### JDK development

Ensure to have the latest version of Java development kit

```
java -version
java version "24" 2025-03-18
Java(TM) SE Runtime Environment (build 24+36-3646)
Java HotSpot(TM) 64-Bit Server VM (build 24+36-3646, mixed mode, sharing)
```

Page to download the JDK

<https://www.oracle.com/java/technologies/downloads/#jdk25-windows>

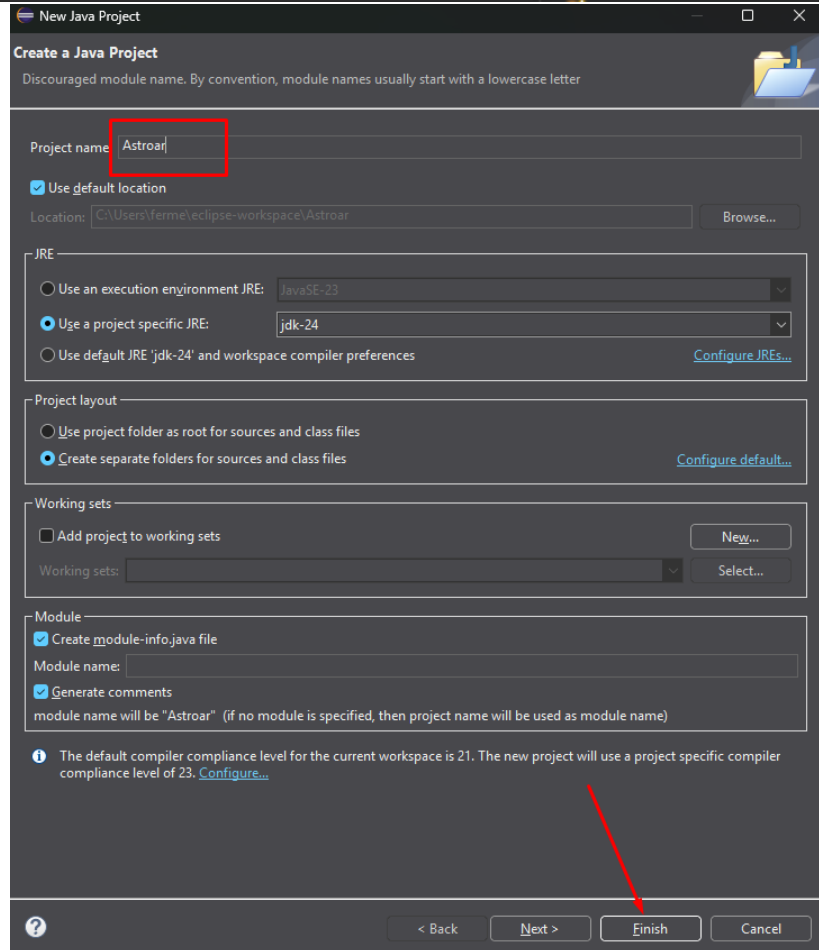
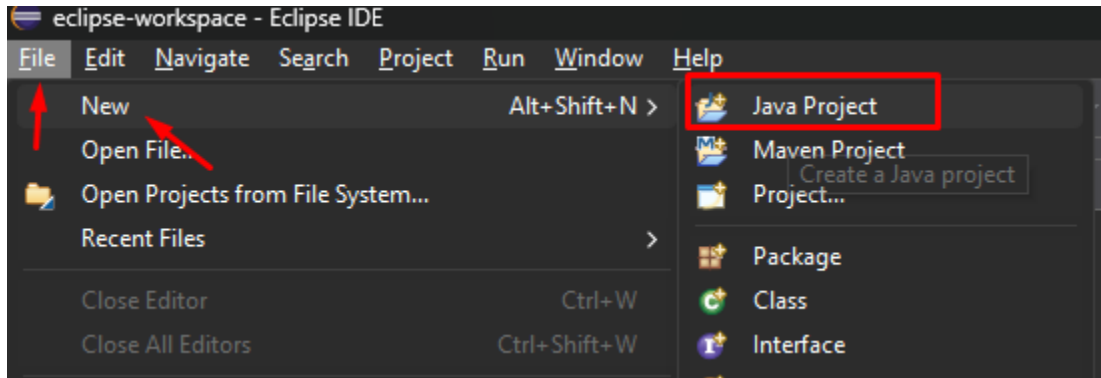
Configuration after installation

Follow the instructions in below video:

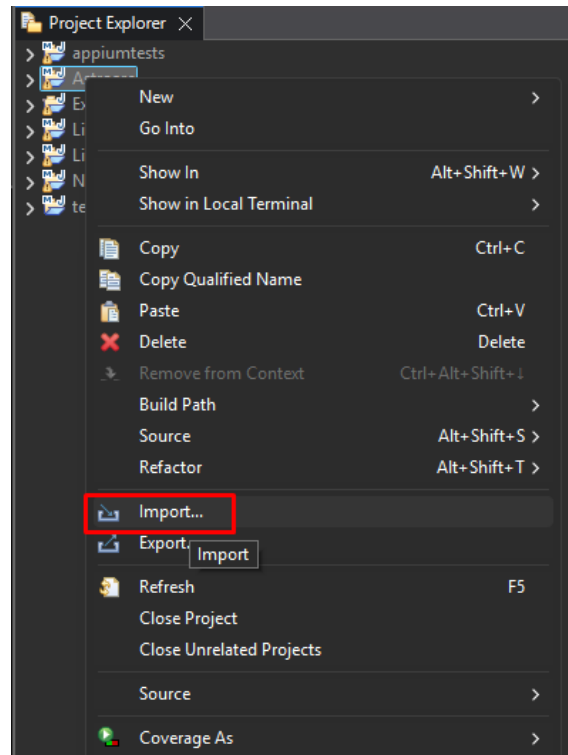
<https://www.youtube.com/watch?v=3qC3MdyXeY>

Importing project in eclipse

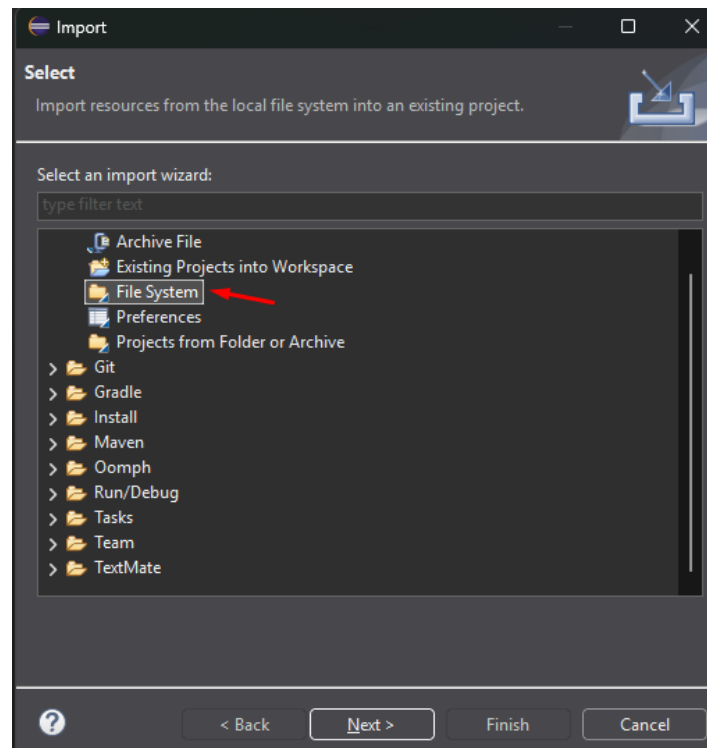
Create a new project in eclipse with the name “Astroarc”



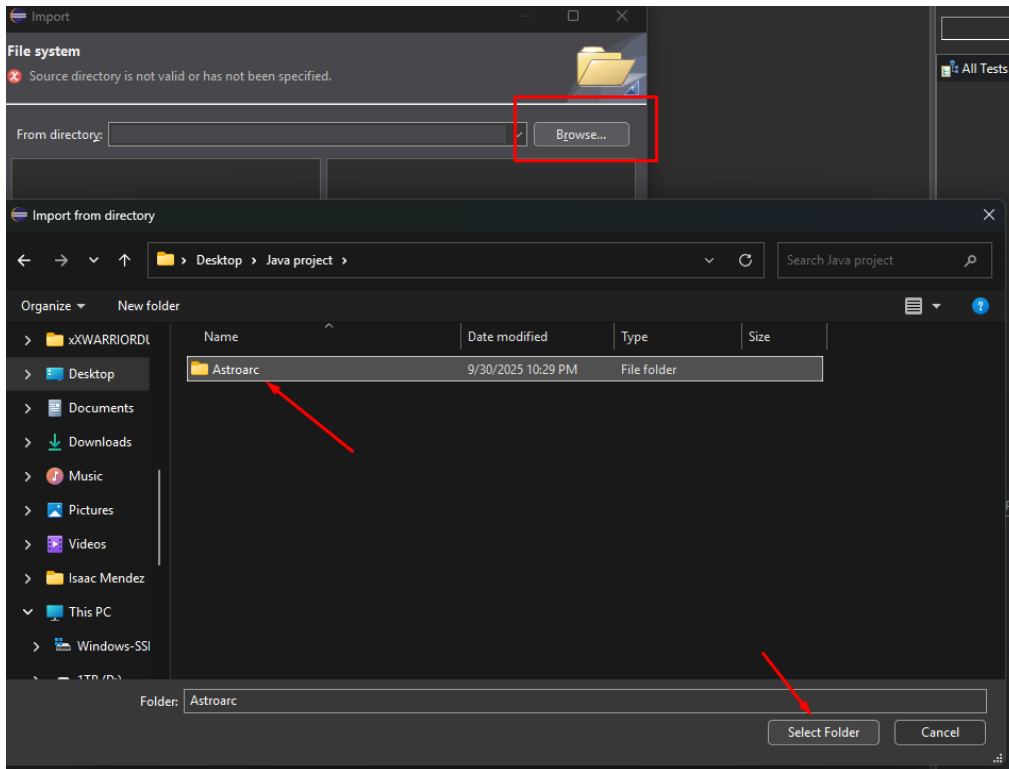
Right click on the folder created and click import



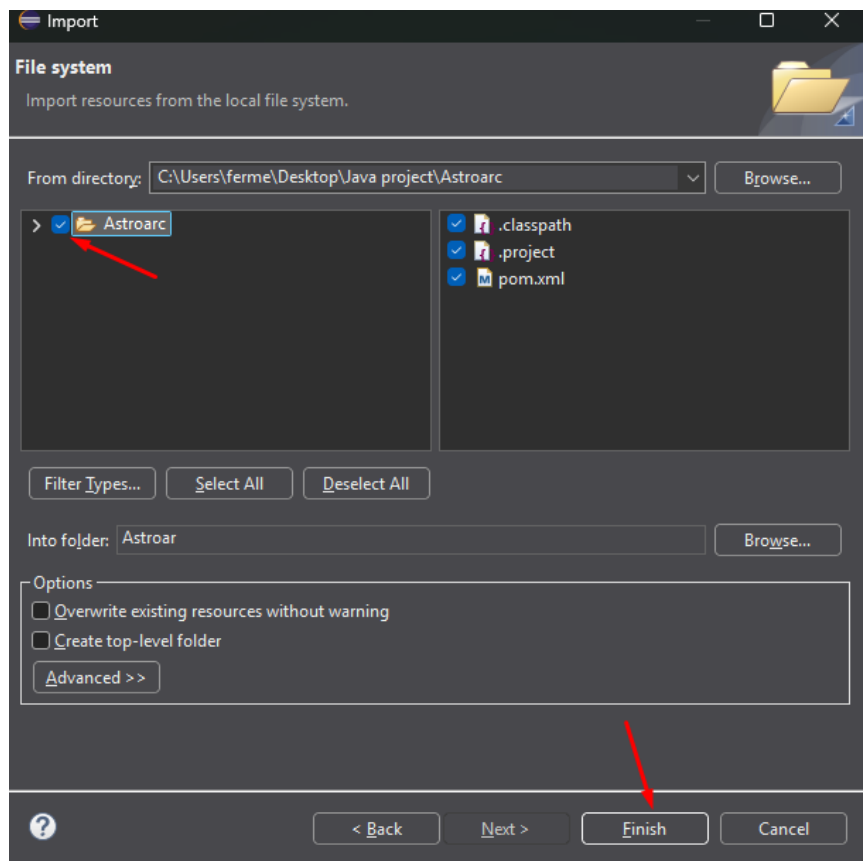
Double click in File System option



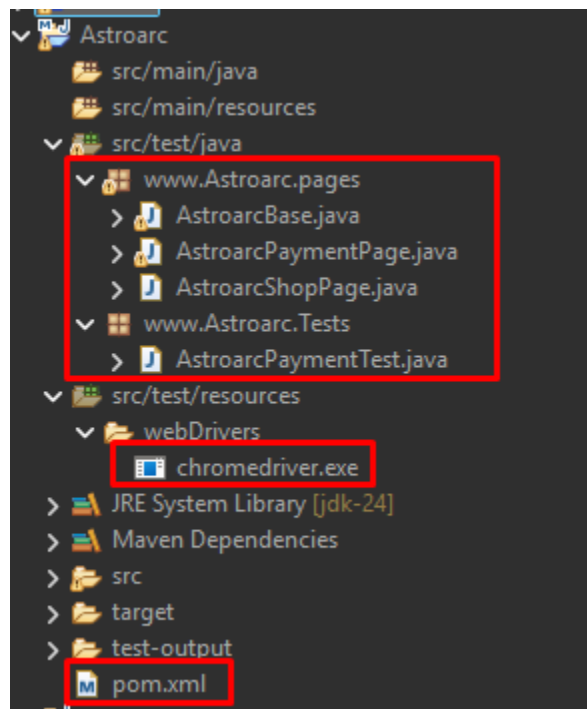
Browse the file in local machine and select the project folder



Click the check box folder and finish button



The project contains the class files Using POM (Page Object Model) design pattern, ChromeDriver and the pom.xml with the configuration



### Additional configuration

For screenshots make sure to modify the method “takeScreenShot” in AstroarcBase.class by including your file path

```
Project Explorer  AstroarcBase.java  AstroarcPaymentTest.java  *AstroarcPaymentPage.java  AstroarcShopPage.java
94 // Optional: log the failure, then rethrow to mark test failed
95 System.err.println("Assertion failed: " + ae.getMessage());
96 throw ae;
97 }
98 }
99
100 public void switchToIframe(By iframeLocator){
101     WebElement iframe = driver.findElement(iframeLocator);
102     driver.switchTo().frame(iframe);
103 }
104
105 public void switchToDefaultContent(){
106     driver.switchTo().defaultContent(); // back to the top-level page
107 }
108
109 public void takeScreenShot() throws IOException {
110     Random rand = new Random();
111     int randomNum = rand.nextInt(300);
112     File f = ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);
113     Files.copy(f, new File("C:\\Users\\ferne\\Desktop\\AstroArcTestScreenShot" + randomNum + ".png"));
114 }
115
116 public void windowHandleTochild() {
117     WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(10));
118     // Saving current window
119     String parentId = driver.getWindowHandle();
```

## Installing TestNG

After validating TestNG dependencies in pom.xml file install TestNG through eclipse Marketplace

