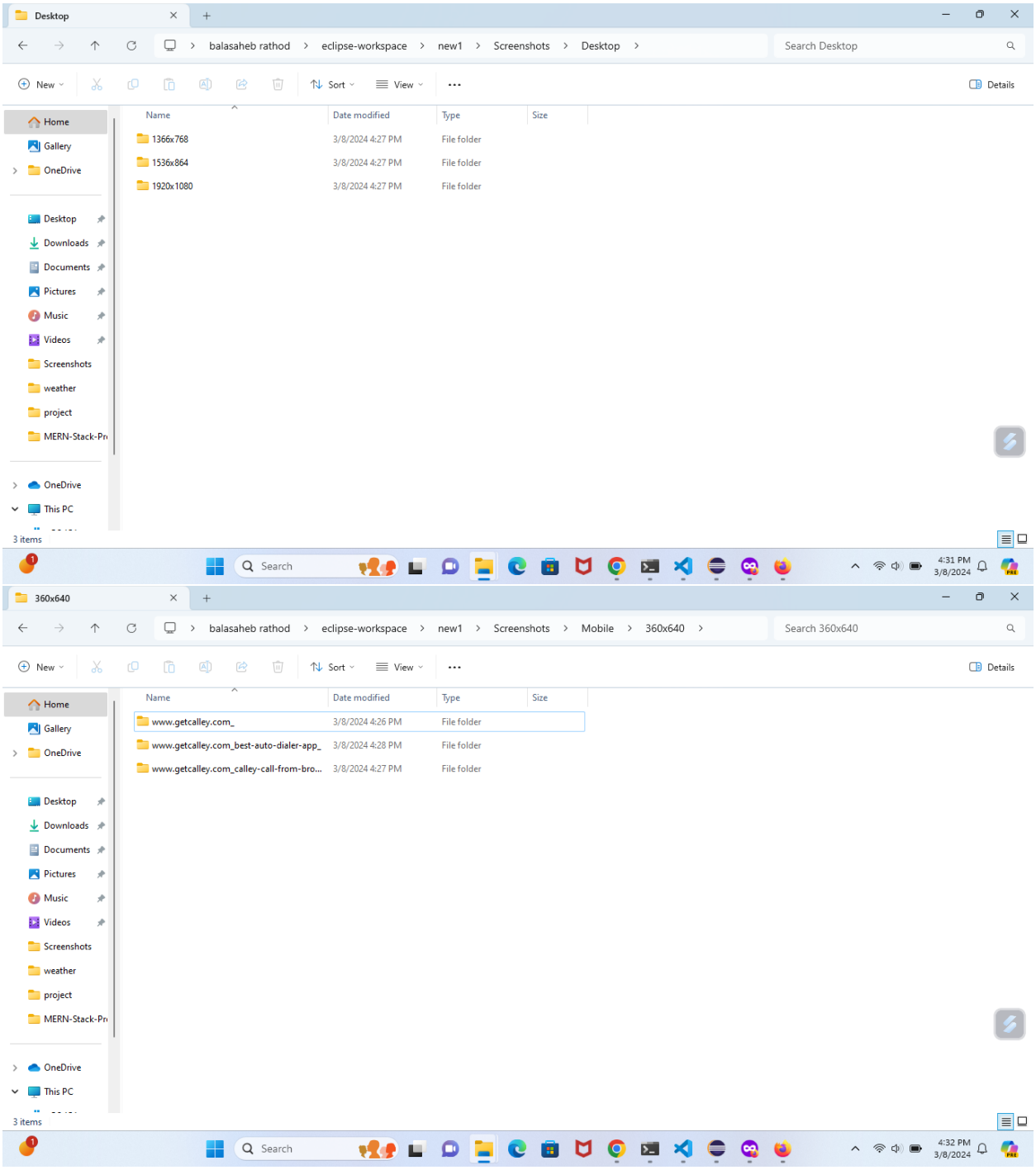
Automation Test 01 - UI Testing:-

```
package new1;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.Dimension;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
import java.io.File;
import java.io.IOException;
import java.nio.file.Files;
import java.nio.file.Paths;
import java.text.SimpleDateFormat;
import java.util.Date;
import java.util.List;
import java.util.Arrays;

public class newt {

public static void main(String[] args) {
// List of websites to test
List<String> websites = Arrays.asList(
"https://www.getcalley.com/",
"https://www.getcalley.com/calley-call-from-browser/",
"https://www.getcalley.com/best-auto-dialer-app/"
);

// List of devices and resolutions
String[][] devices = {
{"Desktop", "1920x1080", "1366x768", "1536x864"},
{"Mobile", "360x640", "414x896", "375x667"}
};

// List of browsers
String[] browsers = {"chrome", "firefox", "safari"};

// Loop through each website
for (String website : websites) {
// Loop through each browser
for (String browser : browsers) {
WebDriver driver;
if (browser.equalsIgnoreCase("chrome")) {
// Set the path to the ChromeDriver executable
System.setProperty("webdriver.driver.chromedriver","C:\\Users\\balas\\Downloa
ds\\chromedriver_win32");
driver = new ChromeDriver();
} else if (browser.equalsIgnoreCase("firefox")) {
// Set the path to the GeckoDriver executable
System.setProperty("webdriver.gecko.chromedriver","C:\\clock\\geckodriver-
v0.34.0-win-aarch64");
```

```
driver = new FirefoxDriver();
} else {
System.out.println("Unsupported browser: " + browser);
continue;
}

// Loop through each device
for (String[] device : devices) {
String deviceName = device[0];
System.out.println("Testing on " + deviceName + "...");
for (int i = 1; i < device.length; i++) {
String resolution = device[i];
String[] dimensions = resolution.split("x");
int width = Integer.parseInt(dimensions[0]);
int height = Integer.parseInt(dimensions[1]);

// Set window size
driver.manage().window().setSize(new Dimension(width, height));

// Navigate to the website
driver.get(website);

// Wait for page to load (you may need to use WebDriverWait instead)
try {
Thread.sleep(2000);
} catch (InterruptedException e) {
e.printStackTrace();
}

// Take screenshot
takeScreenshot(driver, deviceName, resolution, website);
}
}

// Quit WebDriver
driver.quit();
}
}

System.out.println("Testing completed successfully.");
}

// Function to take screenshot and save it in the specified path
public static void takeScreenshot(WebDriver driver, String deviceName, String
resolution, String website) {
// Replace "https://" and "http://" with an empty string
String cleanWebsite = website.replace("https://", "").replace("http://", "");

// Replace invalid characters with underscores
cleanWebsite = cleanWebsite.replaceAll("[^a-zA-Z0-9.-]", "_");

// Create folder for screenshots if it doesn't exist
String folderPath = "Screenshots" + File.separator + deviceName +
File.separator + resolution + File.separator + cleanWebsite;
File folder = new File(folderPath);
if (!folder.exists()) {
folder.mkdirs();
```

```
}

// Get current date and time
SimpleDateFormat formatter = new SimpleDateFormat("yyyy-MM-dd_HH-mm-ss");
Date date = new Date();
String dateTime = formatter.format(date);

// Capture screenshot
File screenshotFile = ((TakesScreenshot)
driver).getScreenshotAs(OutputType.FILE);
String screenshotPath = folderPath + File.separator + "Screenshot_" +
dateTime + ".png";
try {
Files.move(Paths.get(screenshotFile.getPath()), Paths.get(screenshotPath));
System.out.println("Screenshot saved: " + screenshotPath);
} catch (IOException e) {
e.printStackTrace();
}
}
}
```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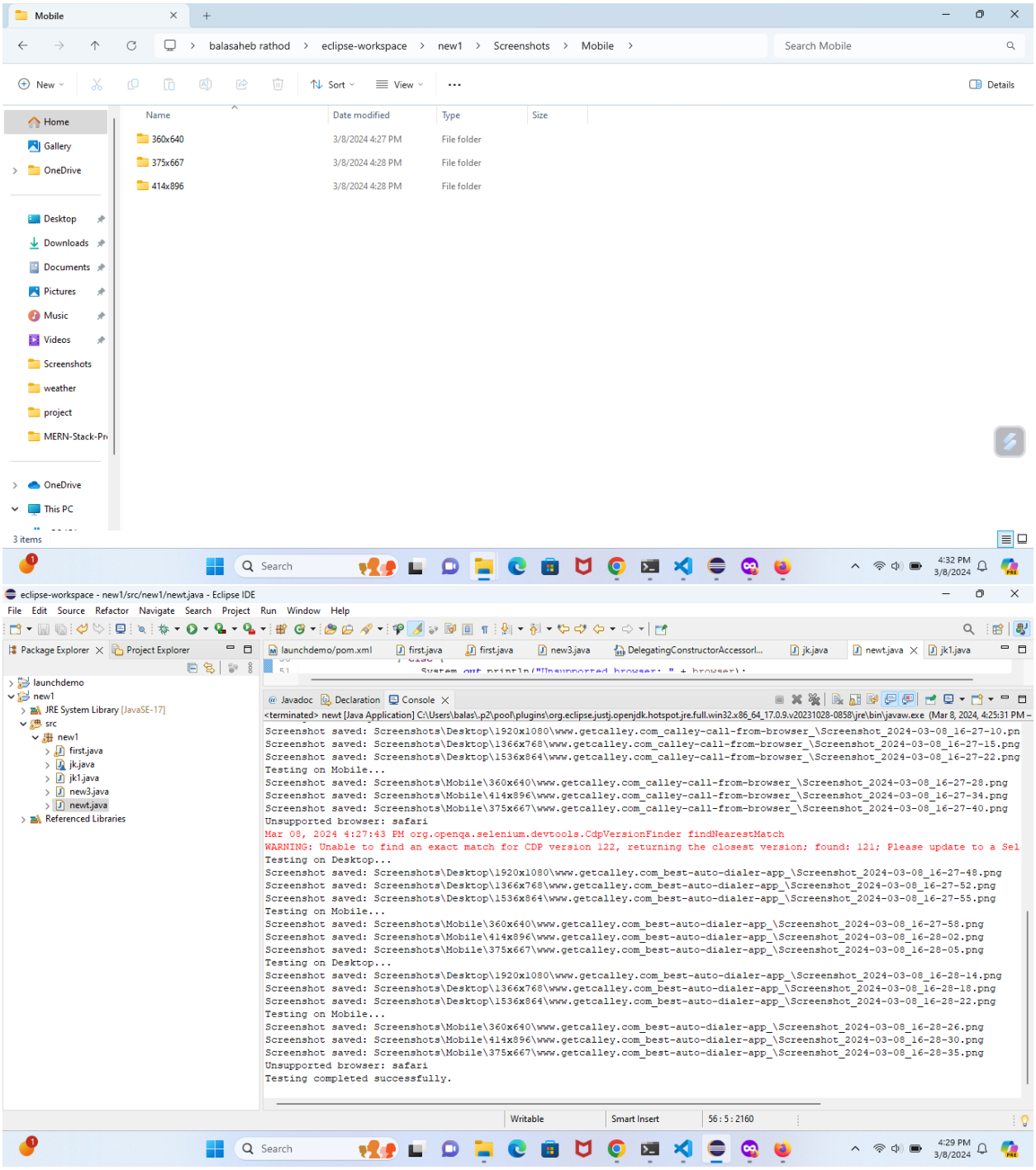
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eclipse-workspace - new1/src/new1/newt.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
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Referenced Libraries
Javadoc
Declaration
Console
<terminated> newt [Java Application] C:\Users\balas\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\javaw.exe (Mar 8, 2024, 4:25:31 PM –
Screenshot saved: Screenshots\Desktop\1920x1080\www.getcalley.com_calley-call-from-browser_\Screenshot_2024-03-08_16-27-10.pn
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Screenshot saved: Screenshots\Mobile\375x667\www.getcalley.com_calley-call-from-browser_\Screenshot_2024-03-08_16-27-40.png
Unsupported browser: safari
Mar 08, 2024 4:27:43 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 122, returning the closest version; found: 121; Please update to a Sel
Testing on Desktop...
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Unsupported browser: safari
Testing completed successfully.
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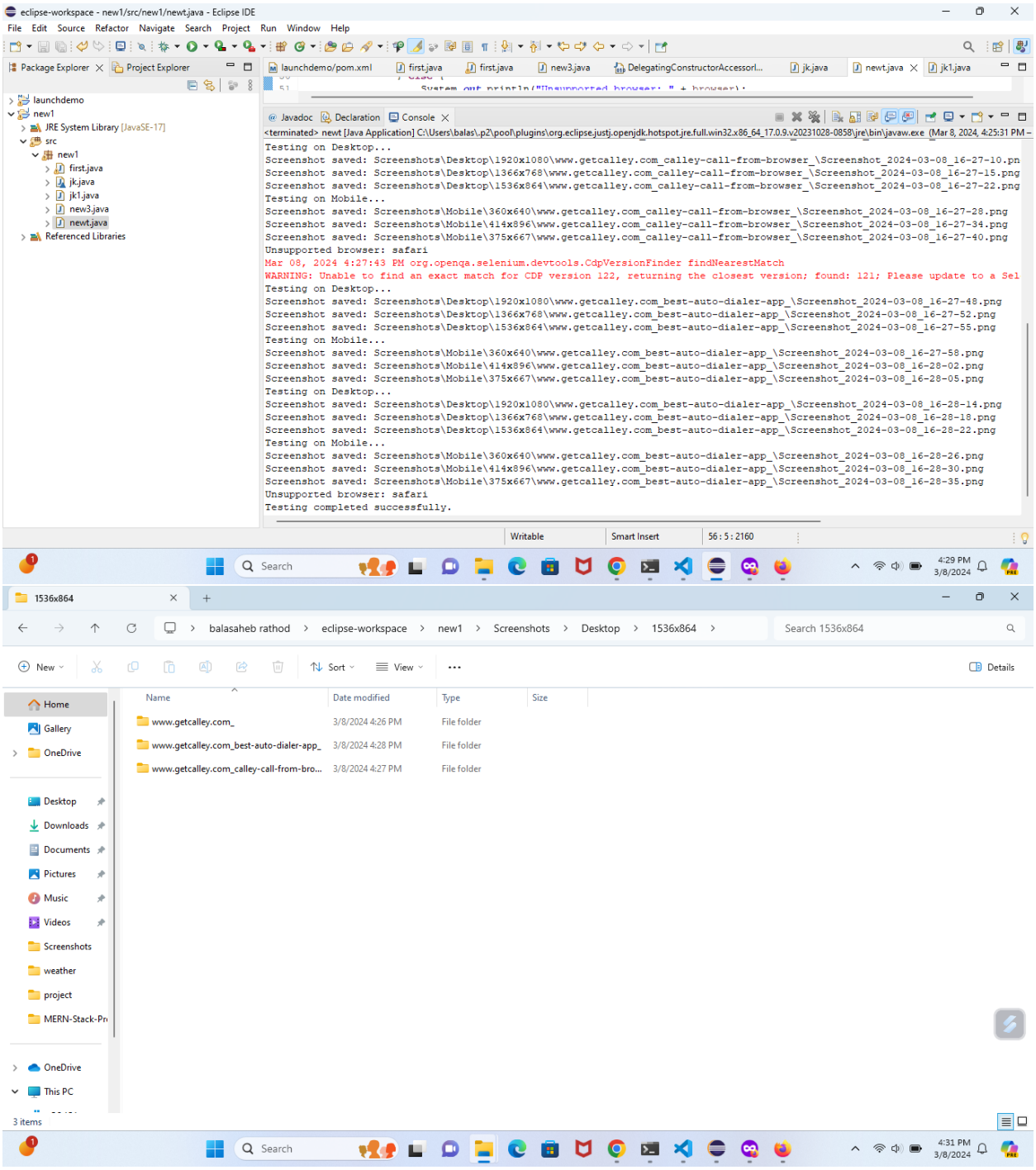
eclipse-workspace - new1/src/new1/newt.java - Eclipse IDE
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<terminated> newt [Java Application] C:\Users\balas\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\javaw.exe (Mar 8, 2024, 4:25:31 PM –
Testing on Desktop...
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Unsupported browser: safari
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Unsupported browser: safari
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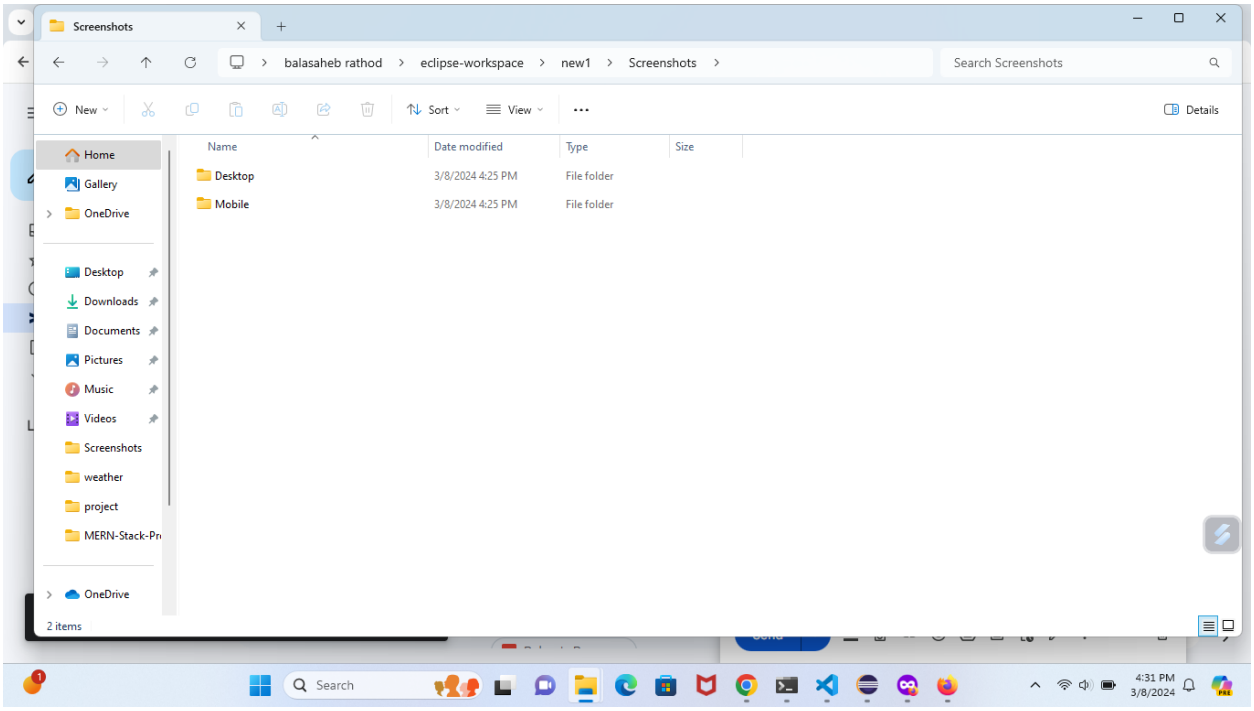
Screenshots
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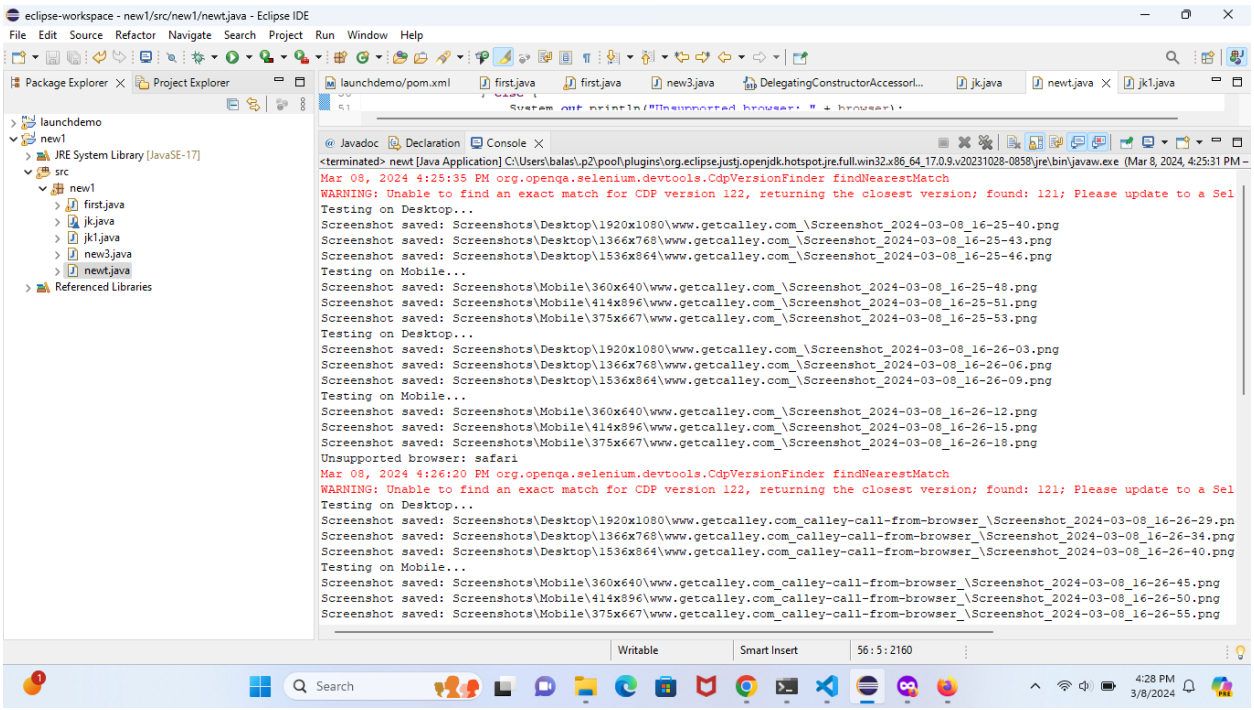
eclipse-workspace - new1/src/new1/newt.java - Eclipse IDE
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Referenced Libraries
Javadoc
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Console
<terminated> newt [Java Application] C:\Users\balas\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\javaw.exe (Mar 8, 2024, 4:25:31 PM –
Mar 08, 2024 4:25:35 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
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Testing on Mobile...
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Unsupported browser: safari
Mar 08, 2024 4:26:20 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
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Testing on Desktop...
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Automation Test 02 - Functional Testing Case:-

```
package new1;
import org.openqa.selenium.chrome.ChromeDriver;

import java.io.File;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;

public class jk {
	public static void main(String[] args) {

	System.setProperty("webdriver.driver.chromedriver","C:\\Users\\balas\\Downloads\\chromedriver_win32");
		WebDriver driver = new ChromeDriver();
		driver.get("https://demo.dealsdray.com/");
		driver.findElement(By.xpath("//*[@id=\"mui-1\"]")).sendKeys("prexo.mis@dealsdray.com");
		driver.findElement(By.xpath("//*[@id=\"mui-2\"]")).sendKeys("prexo.mis@dealsdray.com");

	driver.findElement(By.xpath("//*[@id=\"root\"]/div/div/div/div[2]/div/form/div[3]/div/button")).click();
		driver.findElement(By.xpath("//span[@class='material-icons notranslate MuiIcon-root MuiIcon-fontSizeMedium icon css-1jgtvd5']")).click();


	driver.findElement(By.xpath("//*[@id=\"root\"]/div/div[2]/div[2]/div/div/div[2]/div[2]/button")).click();
		driver.findElement(By.xpath("//*[@id=\"mui-18\"]")).sendKeys("C:\\Users\\balas\\Downloads\\demo-data.xslsx");

		File screenshot = ((org.openqa.selenium.TakesScreenshot)driver).getScreenshotAs(org.openqa.selenium.OutputType.FILE);
	    String screenshotPath = "screenshot.png"; // Provide the path to save the screenshot
	    screenshot.renameTo(new File(screenshotPath));

	    // Close the browser
```

```
            driver.quit();

        }
}
```