1.3 Locating Elements through CSS and XPath.

AdvancedLocateElements.java

```java
package com.ecommerce.test;

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

public class AdvancedLocateElements {
public static void main(String[] args) throws InterruptedException {
// register the chrome driver
// create an obj to the driver -obj to the browser

// initiate the driver
WebDriver driver = new ChromeDriver();

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

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

// Using CSS Selector
WebElement emailInput = driver.findElement(By.cssSelector("input#email"));
highlight(driver, emailInput);

WebElement passwordInput = driver.findElement(By.cssSelector("input[name='pass']"));
highlight(driver, passwordInput);

Thread.sleep(2000);

// Using XPath
WebElement loginButton = driver.findElement(By.xpath("//button[@name='login']"));
highlight(driver, loginButton);

WebElement forgottenPasswordLink = driver.findElement(By.xpath("//a[text()='Forgotten password?']"));
highlight(driver, forgottenPasswordLink);

Thread.sleep(2000);
```

```
}

public static void highlight(WebDriver driver, WebElement element) {
JavascriptExecutor jsExecutor = (JavascriptExecutor) driver;
jsExecutor.executeScript("arguments[0].setAttribute('style', 'border:2px solid red;
background:yellow')",
element);
}
}
```

Output