PhaseEndSourceCode:

```java
package phaseEndProject;
import java.io.File;
import java.io.IOException;
import java.util.ArrayList;
import org.apache.commons.io.FileUtils;
import org.openqa.selenium.By;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
public class TestSearchPage {

public static WebDriver driver;

    public static void takescreenshot_method(String
filepath) throws IOException
    {
        File srcFile =
((TakesScreenshot)driver).getScreenshotAs(OutputType.
FILE);
        File destFile = new File(filepath);
        FileUtils.copyFile(srcFile, destFile);
    }
    public static void main(String[] args) throws
InterruptedException, IOException {
        // TODO Auto-generated method stub

        driver = new ChromeDriver();
        driver.manage().window().maximize();
       driver.manage().deleteAllCookies();

        driver.get("https://www.amazon.in/");

        Thread.sleep(1500);

        // Create Page object repository--list of
object that has to tested on this page

        WebElement searchbox =
driver.findElement(By.id("twotabsearchtextbox"));
```

```java
        WebElement searchbutton =
driver.findElement(By.id("nav-search-submit-
button"));

        // Action Methods
        searchbox.sendKeys("iphone 13");
        searchbutton.submit();


    takescreenshot_method("./Screenshot/amazonsearch1
.png");

        Thread.sleep(3000);

        WebElement mobilelink =
driver.findElement(By.xpath("(//div[@class='a-
section'])[2]/descendant::span[11]"));

        mobilelink.click();


    takescreenshot_method("./Screenshot/amazonsearch2
.png");

        // new tab will open. handle the windows

        ArrayList<String> tabs = new
ArrayList<String>(driver.getWindowHandles());

        driver.switchTo().window(tabs.get(1));

        Thread.sleep(1500);

        WebElement wishlist =
driver.findElement(By.id("wishListMainButton"));

        wishlist.click();


        driver.quit();

    }
}
```

TestMobilePage:

```java
package phaseEndProject;
import java.io.File;
import java.io.IOException;
import java.util.ArrayList;
import org.apache.commons.io.FileUtils;
import org.openqa.selenium.By;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;
public class TestMobilePage {

public static WebDriver driver;

    public static void takescreenshot_method(String
filepath) throws IOException
    {
        File srcFile =
((TakesScreenshot)driver).getScreenshotAs(OutputType.
FILE);
        File destFile = new File(filepath);
        FileUtils.copyFile(srcFile, destFile);
    }
    public static void main(String[] args) throws
InterruptedException, IOException {
        // TODO Auto-generated method stub

        driver = new ChromeDriver();
        driver.manage().window().maximize();
      driver.manage().deleteAllCookies();

        driver.get("https://www.amazon.in/");

        Thread.sleep(2000);

        WebElement mobilelink =
driver.findElement(By.linkText("Mobiles"));

          String text = mobilelink.getText();

            System.out.println(text);
```

```java
        mobilelink.click();

        WebElement mobile =
driver.findElement(By.xpath("//div[@id='nav-
progressive-subnav']/descendant::span[2]"));

        Actions a = new Actions(driver);

        a.moveToElement(mobile).perform();

        Thread.sleep(2000);


    takescreenshot_method("./Screenshot/mobile1.png")
;

        WebElement apple_link =
driver.findElement(By.linkText("Apple"));

        text = apple_link.getText();

        System.out.println(text);

        apple_link.click();


        Thread.sleep(2000);

        WebElement link2 =
driver.findElement(By.xpath("(//div[@class='sg-col-
inner'])[6]/descendant::span[9]"));

         text = link2.getText();

        System.out.println(text);

        link2.click();


    takescreenshot_method("./Screenshot/mobile2.png")
;
```

```java
        ArrayList<String> tabs = new
ArrayList<String>(driver.getWindowHandles());

        driver.switchTo().window(tabs.get(1));


        Thread.sleep(1500);

        WebElement addtoCart =
driver.findElement(By.id("add-to-cart-button"));


        addtoCart.click();



    takescreenshot_method("./Screenshot/mobile3.png")
;


        driver.quit();



    }
}
```

TestSignInPage:

```java
package in.amazon.project.lesson1;

import java.time.Duration;

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

public class TestSignInPage {

    public static void main(String[] args) throws
InterruptedException {
        // TODO Auto-generated method stub

        WebDriver driver = new ChromeDriver();
        driver.manage().deleteAllCookies();
```

```java
        driver.manage().window().maximize();
        // wait for 2 seconds the page to Load

    driver.manage().timeouts().pageLoadTimeout(Durati
on.ofSeconds(5));
        driver.get("https://www.amazon.in/");
        // locating the dropdown that has sign in
button -> signin - accounts and lists
        WebElement e1 =
driver.findElement(By.xpath("//*[@class='nav-line-2
']"));
        Actions a = new Actions(driver);
        a.moveToElement(e1).perform();
        Thread.sleep(3000);
        driver.findElement(By.linkText("Sign
in")).click();

        // Inspect the Email and continue button on
sign page

        Thread.sleep(3000);


    driver.findElement(By.id("ap_email")).sendKeys("m
ittal.sonal04@gmail.com");

    driver.findElement(By.xpath("//input[@id='continu
e']")).click();

        // inspect password input box and click on
sign button


    driver.findElement(By.id("ap_password")).sendKeys
("password@123");

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

        // fetch the error text

        String text =
driver.findElement(By.xpath("//div[@class='a-box-
```

```
inner a-alert-
container']/descendant::span")).getText();

        System.out.println("Error test is >> " +
text);

        driver.close();


    }

}


SeleniumJDBCTrasaction:

package phaseEndProject;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;
public class SeleniumJDBCTrasaction {
    public static void main(String[] args) throws
InterruptedException, ClassNotFoundException,
SQLException {
        // TODO Auto-generated method stub


    WebDriver    driver = new ChromeDriver();
        driver.manage().window().maximize();
       driver.manage().deleteAllCookies();

        driver.get("https://www.amazon.in/");

        String title = driver.getTitle();

        Thread.sleep(2000);

        WebElement mobilelink =
driver.findElement(By.linkText("Mobiles"));
```

```java
            mobilelink.click();

WebElement mobile =
driver.findElement(By.xpath("//div[@id='nav-
progressive-subnav']/descendant::span[2]"));

        Actions a = new Actions(driver);

        a.moveToElement(mobile).perform();

        Thread.sleep(2000);

        WebElement apple_link =
driver.findElement(By.linkText("Apple"));

        String text = apple_link.getText();

        apple_link.click();

        String dburl =
"jdbc:mysql://localhost:3306/seleniumtest";
        String username = "root";
        String password = "root";

        Class.forName("com.mysql.cj.jdbc.Driver");

        Connection con =
DriverManager.getConnection(dburl, username,
password);

        PreparedStatement ps =
con.prepareStatement("insert into endproject
values(?,?,?)");
        ps.setString(1, title);
        ps.setString(2, text);
        ps.setString(3, "Yes");
        ps.executeUpdate();

    }
}
```