

Student Number 12174521

Assignment 2

Read ME file

How to run Vending Project in Eclipse

Execution environment for project:

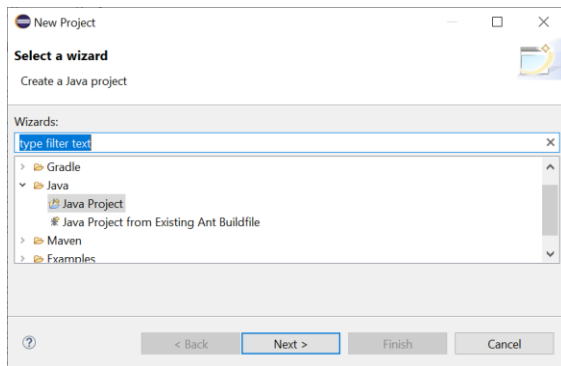
Eclipse IDE 2019-09

JavaSE-12(jdk-13)

Included library: Javafx-sdk-11.0.2

Step 1:

Create a new Java project in Eclipse:



Choose JavaSE-12 as your execution environment

Go to project layout: Use project folder as root.

New Java Project

Create a Java Project

Create a Java project in the workspace or in an external location.

Project name:

☒ Use default location

Location: [Browse...](#)

JRE

☒ Use an execution environment JRE:

☐ Use a project specific JRE: [Configure JREs...](#)

☐ Use default JRE 'jdk-13' and workspace compiler preferences

Project layout

☒ Use project folder as root for sources and class files

☐ Create separate folders for sources and class files [Configure default...](#)

Working sets

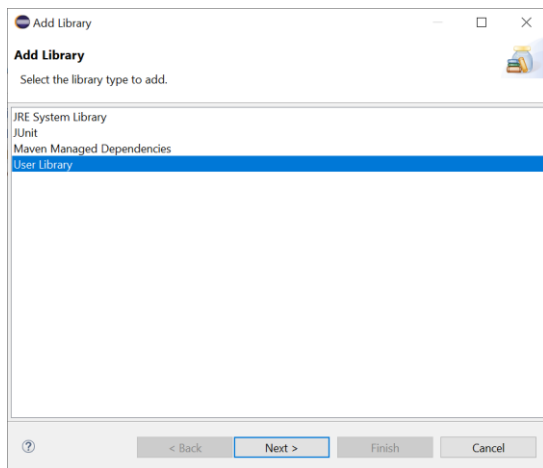
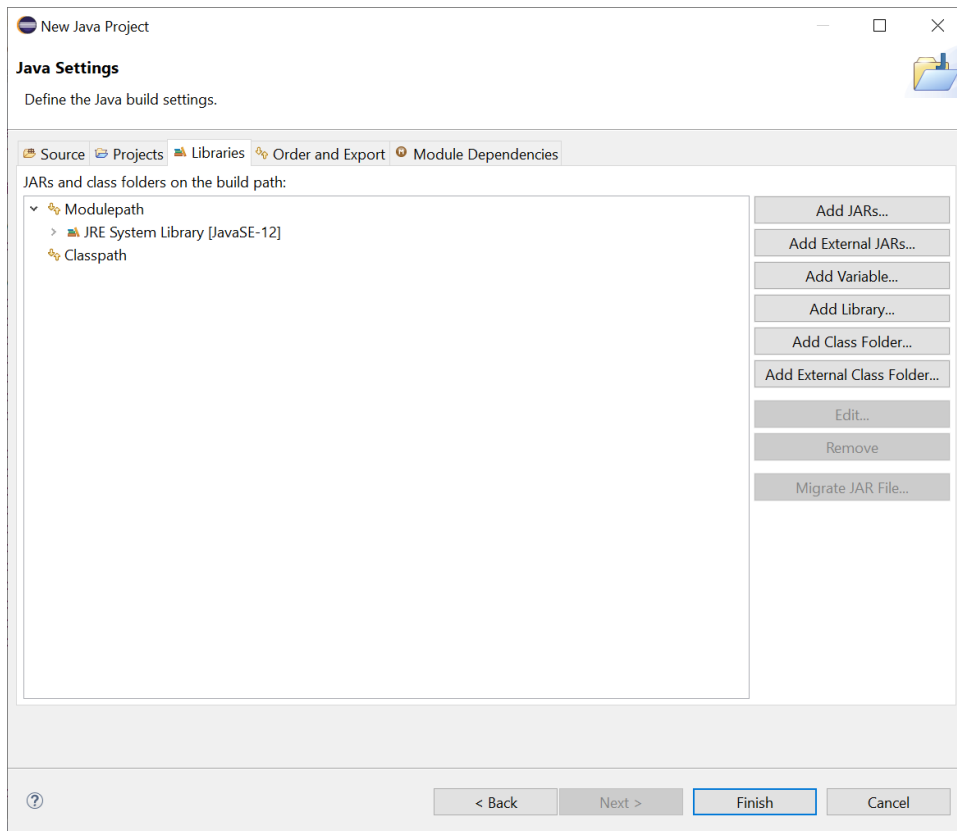
☐ Add project to working sets [New...](#)

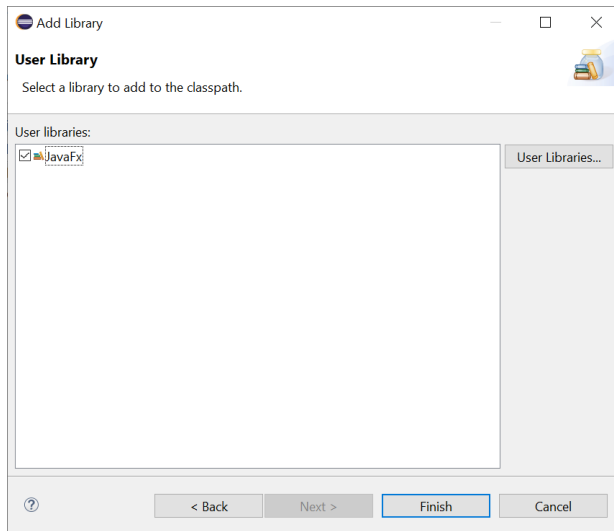
Working sets: [Select...](#)

[?](#) [< Back](#) [Next >](#) [Finish](#) [Cancel](#)

Click next -> Go to libraries

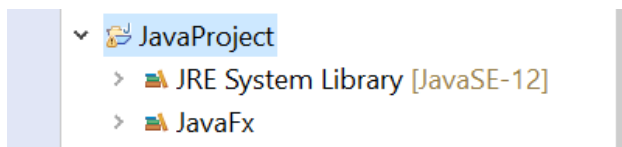
Select module path -> add library -> user library -> Javafx



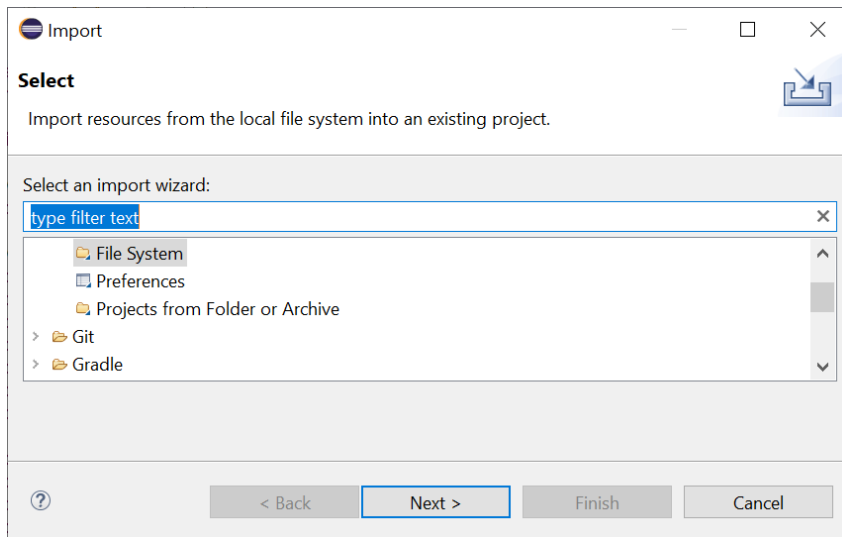


Click finish

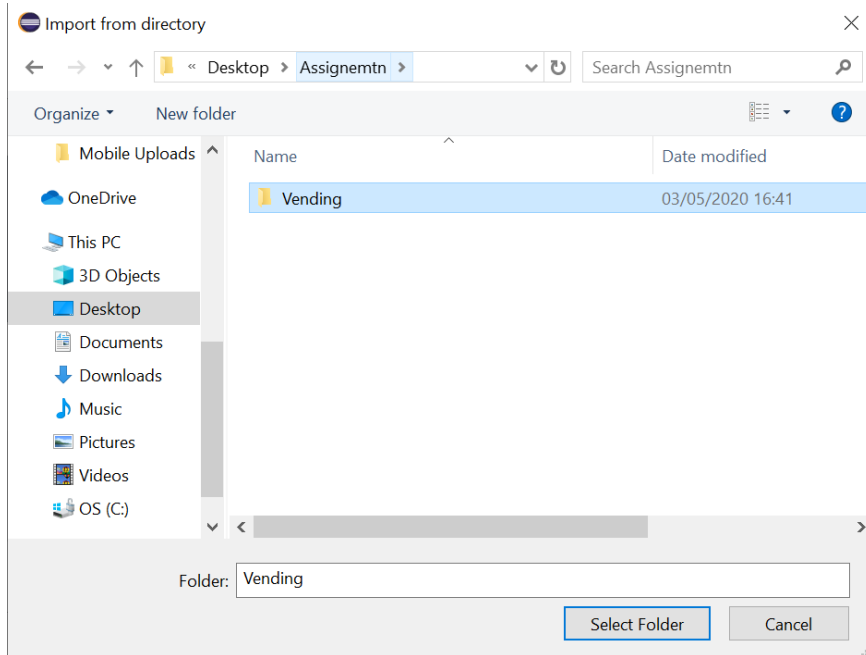
Both libraries should show in your project



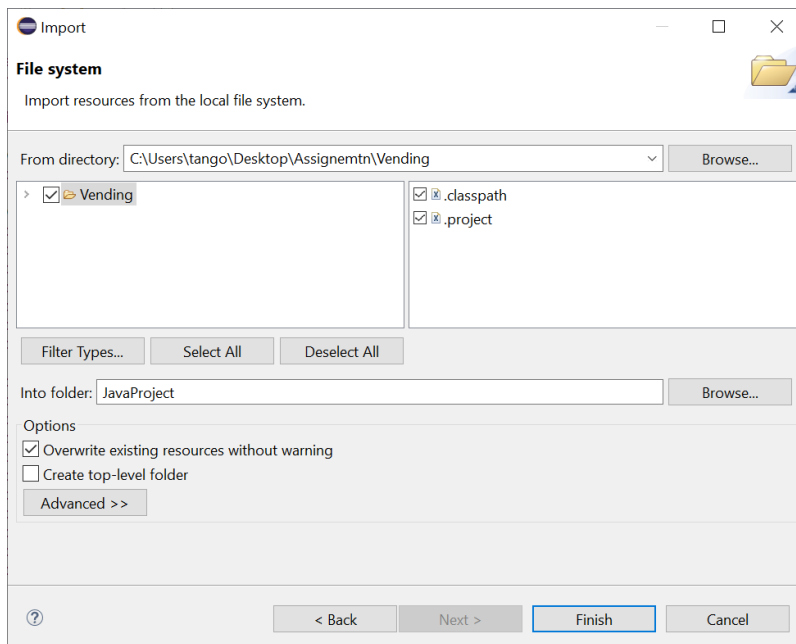
Right click on the project and go to Import -> File System



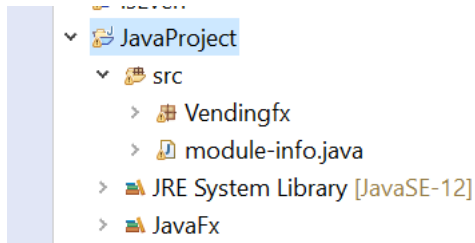
Choose the 'Vending' file in the assignment folder



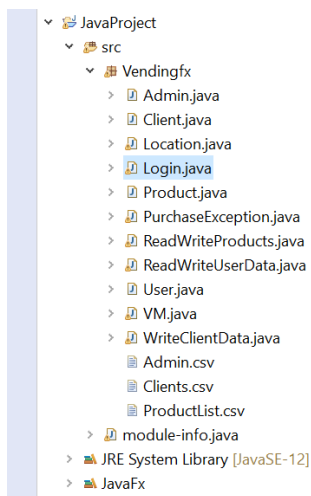
Select all. Make sure to click overwrite existing resources



Now you should have the src folder and Vendingfx package and the correct module.



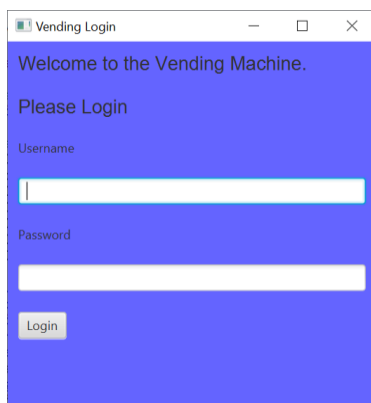
Now go into Vendingfx package. Go to Login.java and run.



To login to Vending machine as a client username: Michelle password: 111116

To login as an administrator username: Michelle password: 222222

Logout to change user and log back in. When finished click shutdown to backup data and close program.



Client Menu

The Client Menu interface for a Vending Machine. It features a blue background with a grid of 15 product slots arranged in 5 rows and 3 columns. Each slot contains a product name, its price, and its quantity. The products are: A1 Nuts (€1.30, 8), B1 Crisps (€1.25, 8), C1 Water (€1.00, 10), A2 Dango (€1.00, 2), B2 Mangos (€5.00, 10), C2 Popcorn (€2.00, 3), A3 Coke (€2.00, 4), B3 Skittles (€1.00, 8), C3 Icecream (€1.20, 5), A4 Jelly (€1.00, 10), B4 Empty (€0.00, 0), C4 Lollipops (€0.50, 8), A5 Mint Aero (€1.50, 10), B5 Aero (€2.00, 7), and C5 Gum (€1.00, 10). On the right side, there is a balance display showing 'Your balance is: €6.70', an input field for 'Enter the location:', and buttons for 'Buy product' and 'Logout'.

| Products | | |
|----------------------------|--------------------------|---------------------------|
| A1 Nuts, €1.30, 8 | B1 Crisps, €1.25, 8 | C1 Water, €1.00, 10 |
| A2 Dango, €1.00, 2 | B2 Mangos, €5.00, 10 | C2 Popcorn, €2.00, 3 |
| A3 Coke, €2.00, 4 | B3 Skittles, €1.00, 8 | C3 Icecream, €1.20, 5 |
| A4 Jelly, €1.00, 10 | B4 Empty, €0.00, 0 | C4 Lollipops, €0.50, 8 |
| A5 Mint Aero, €1.50, 10 | B5 Aero, €2.00, 7 | C5 Gum, €1.00, 10 |

Your balance is: €6.70
Enter the location:

Buy product
Logout

Admin Menu

To load/reload a product you must either load into an empty location or into a location with a product with the same name and price or you will be asked to choose a different location. A maximum quantity of 10 can be loaded into each location or you will be asked to choose a different location.

The Admin Menu interface for a Vending Machine. It features a blue background with a grid of 15 product slots arranged in 5 rows and 3 columns. Each slot contains a product name, its price, and its quantity. The products are: A1 Nuts (€1.30, 8), B1 Crisps (€1.25, 8), C1 Water (€1.00, 10), A2 Dango (€1.00, 2), B2 Mangos (€5.00, 10), C2 Popcorn (€2.00, 3), A3 Coke (€2.00, 4), B3 Skittles (€1.00, 8), C3 Icecream (€1.20, 5), A4 Jelly (€1.00, 10), B4 Empty (€0.00, 0), C4 Lollipops (€0.50, 8), A5 Mint Aero (€1.50, 10), B5 Aero (€2.00, 7), and C5 Gum (€1.00, 10). On the right side, there is a 'Welcome' message, a 'Reload products' button, an input field for 'Enter product name:', an input field for 'Enter the location:', an input field for 'Enter the price:', an input field for 'Enter the quantity:', an 'Add Products' button, a 'Would you like to logout?' prompt, and buttons for 'Logout' and 'Shut Down'.

| Products | | |
|----------------------------|--------------------------|---------------------------|
| A1 Nuts, €1.30, 8 | B1 Crisps, €1.25, 8 | C1 Water, €1.00, 10 |
| A2 Dango, €1.00, 2 | B2 Mangos, €5.00, 10 | C2 Popcorn, €2.00, 3 |
| A3 Coke, €2.00, 4 | B3 Skittles, €1.00, 8 | C3 Icecream, €1.20, 5 |
| A4 Jelly, €1.00, 10 | B4 Empty, €0.00, 0 | C4 Lollipops, €0.50, 8 |
| A5 Mint Aero, €1.50, 10 | B5 Aero, €2.00, 7 | C5 Gum, €1.00, 10 |

Welcome
Reload products
Enter product name:

Enter the location:

Enter the price:

Enter the quantity:

Add Products
Would you like to logout?
Logout
Shut Down