NerdWork

User Manual

1) In order to be able to execute the Nerdwork application through Eclipse IDE, you first need to have the following .jar libraries in your personal computer. You can download them from the links below and save them at your desired destination. Unzip the JavaFX file you downloaded and pick the "javafx-sdk-18.0.1" folder. In this example, we will save the libraries to "C:\Program Files\Java" path.
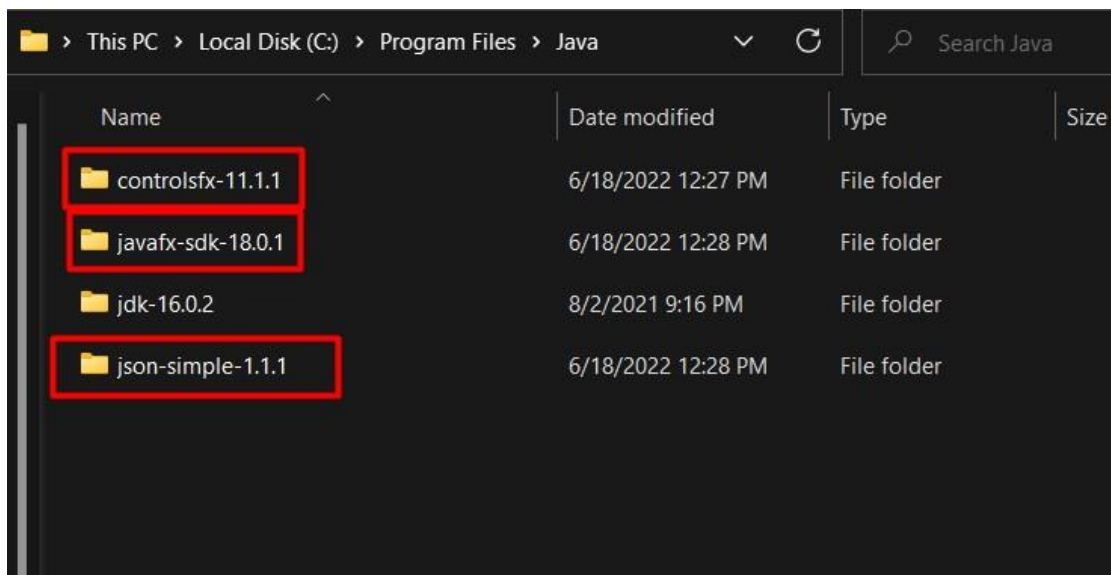
JSON-simple 1.1.1:

https://storage.googleapis.com/google-code-archive-downloads/v2/code.google.com/json-simple/json-simple-1.1.1.jar

JavaFX:

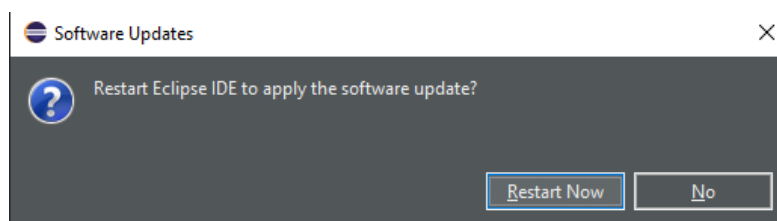https://download2.gluonhq.com/openjfx/18.0.1/openjfx-18.0.1_windows-x64_bin-sdk.zip

Controlsfx:

https://search.maven.org/remotecontent?filepath=org/controlsfx/controlsfx/11.1.1/controlsfx-11.1.1.jar

2) Additionally, you need the "e(fx)clipse" plug-in installed in your IDE. To install it, go to Help -> Eclipse Marketplace -> Search for "e(fx)clipse 3.7.0" plugin.
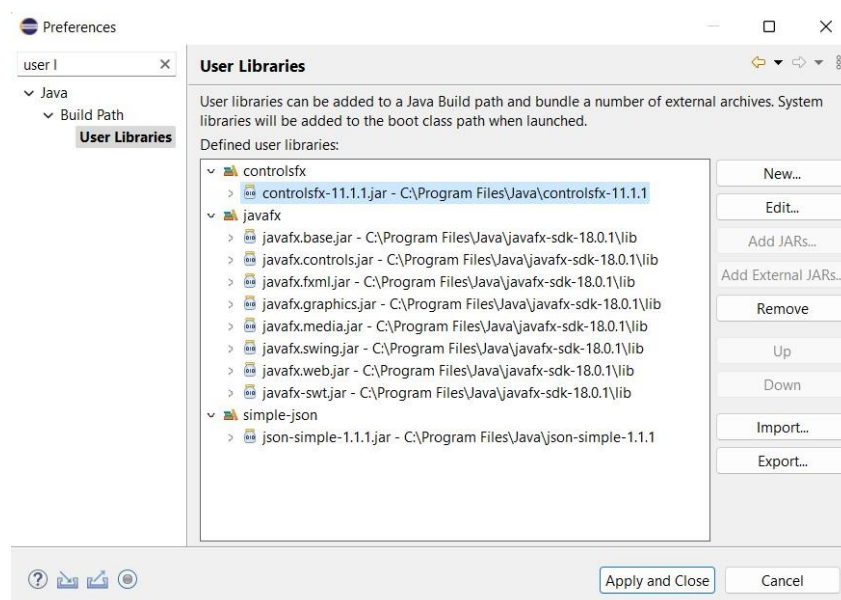

Install it and restart Eclipse IDE.

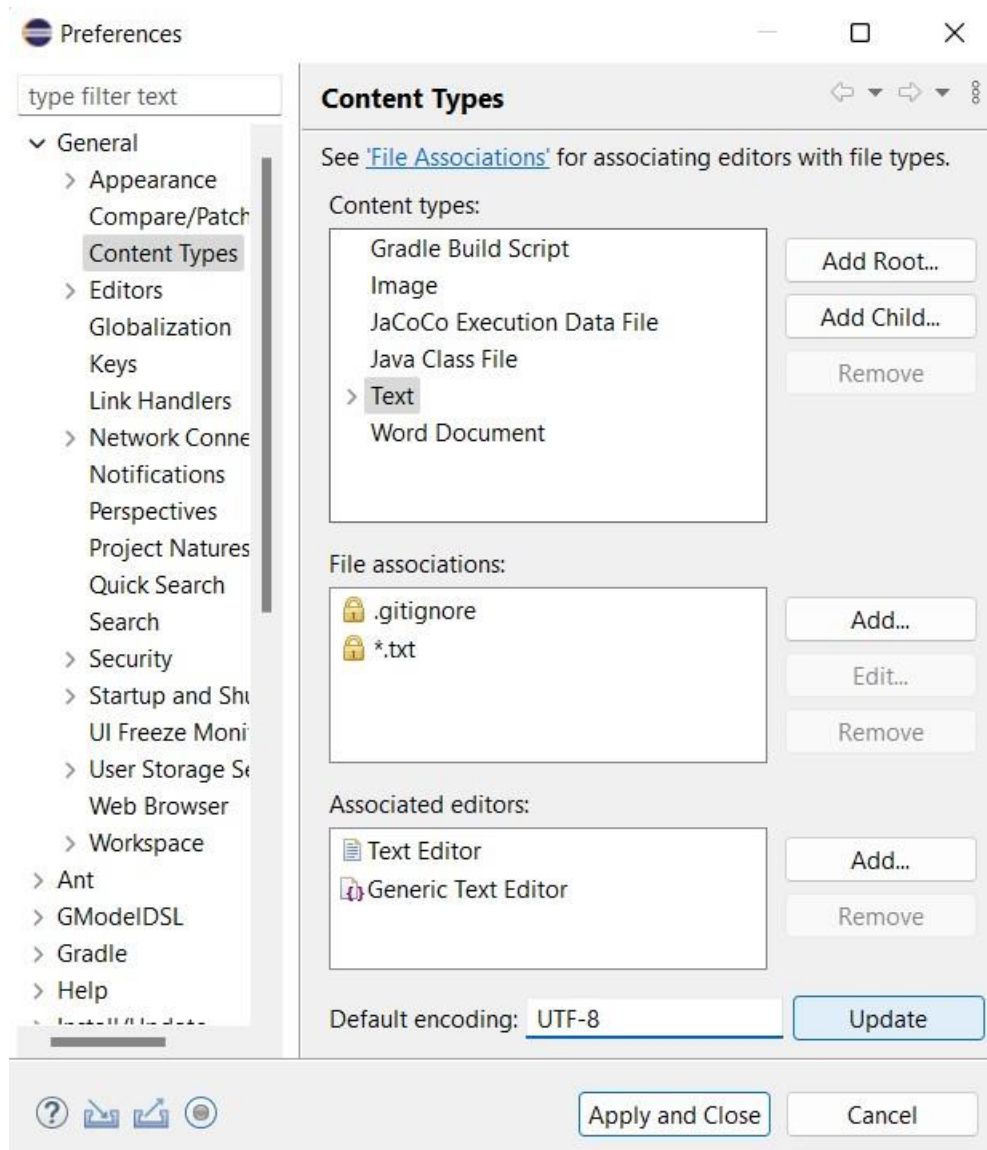3) Create User Libraries, using the libraries you downloaded before.

Go to Window -> Preferences -> Java -> Build Path -> User Libraries. Click "New", give a name of your desire to the new library, for example 'simple-json' and click "Add External JARs". Go to the path you saved the external libraries (json-simple, javafx (the .jar files are in the "lib" folder, and controlsfx) and press "Apply and Close".
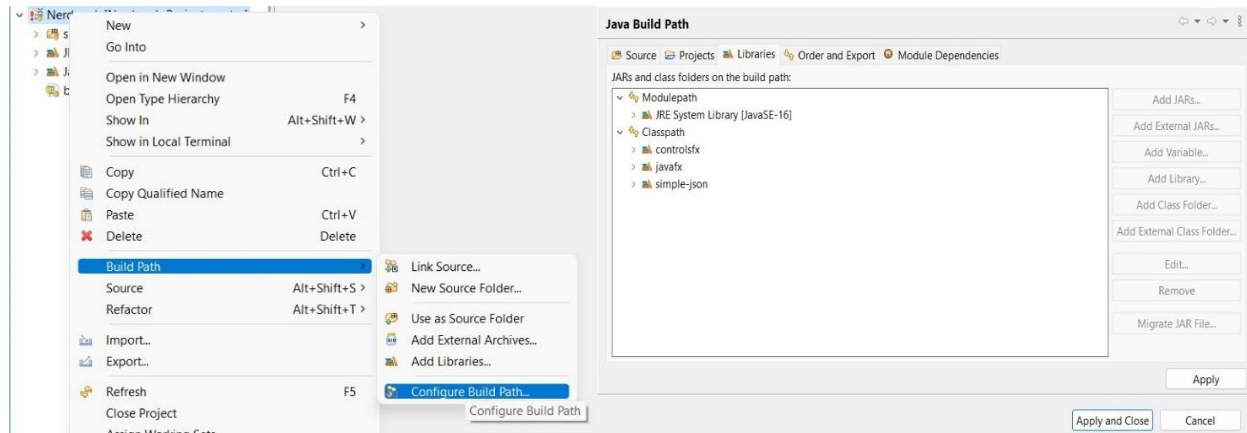
4) In order to avoid any problems regarding the text encoding and Greek characters, you have to make "UTF-8" charset as Default encoding for your "Text" and "Java Class File".

In order to do that, go to Window -> Preferences -> General -> Content Types and choose "Text" from the "Content Types" list. In the "Default Encoding" text area, write "UTF-8" and press "Update".
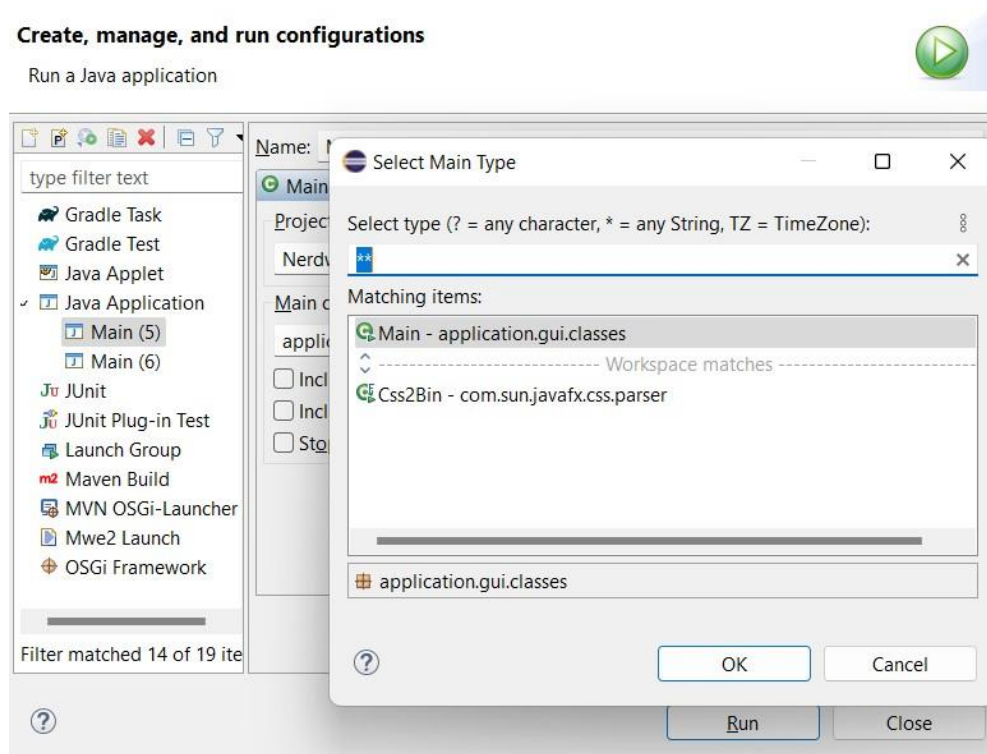
Repeat the same step, but for this time, instead of choosing "Text", select the "Java Class File".

5) Clone Nerdwork repository from: https://github.com/Nerdwork-Team/Nerdwork-Project.git
and load the project locally in your Eclipse IDE. Right-click on the project and go to Build Path -
> Configure Build Path. Delete any libraries that already exist under Classpath, if any. Then
select Classpath and press "Add Library" -> User Library and select all the libraries you created
in Step 3. Click "Finish" and then "Apply and Close".

6) Right-click on Nerdwork and go to Run As -> Run Configurations… Double-click on "Java
Application". In the "New Configuration", navigate to the "Main" tab, go to "Main class" area
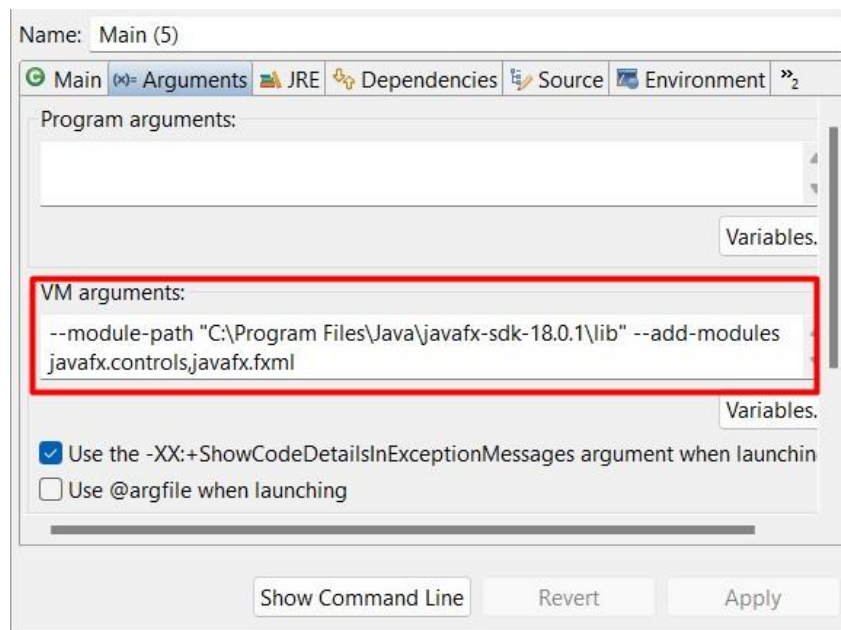and click on "Search". Select "Main – application.gui.classes" and click "OK".

7) Afterwards, go to "Arguments" tab and in VM Arguments paste the following WITHOUT the parentheses:

(--module-path "xxxxx\javafx-sdk-18.0.1\lib" --add-modules javafx.controls,javafx.fxml)

Replace "xxxxx" with the path you saved the javafx library folder.

In our example, it is the "C:\Program Files\Java\javafx-sdk-18.0.1\lib" path.

8) Run the Nerdwork project!