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1. Launch Eclipse and select Help menu-> Eclipse MarketPace…

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Enter in **Search->Find “JavaFX”**, click on its **Install** button, and allow it to download.

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Install button

Accept its **term of license agreements** and click **Finish button**.

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Give it some time by allowing the software to be installed completely (note that the percentage indicator at the bottom of Eclipse).

When completed, you will need to restart Eclipse IDE.

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1. Launch Eclipse and choose to **File menu -> New ->Other…**

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You should now see there is an item “JavaFX” with drop-down options:

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Select “**JavaFX Project**” option, click **Next** button, name your project Chapter12, and click **Finish** button.

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**Must choose**

You should now have a created Chapter12 project shows from your Project Explorer.

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Select and delete “Module-info.java” file from the project.

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Select Main.java from **src->application** and notice the newly created code with many error indicators ( red lines).

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1. Switch and launch your internet browser (such as Chrome) and go to <https://openjfx.io/> website, and choose “Download” option.

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Choose the appropriate SDK download for your operating system.(I chose and used Windows, 17.0.0.1, x64, SDK).

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Download the zipped file.

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Decompress/extract into your C: drive ( I chose to extract into C:\javafx-sdk-17.0.0.1 and rename the folder to C:\FX).Graphical user interface, application, email

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When completed the extraction, you should see that the folder will contains sub-folders and files as shown above.

1. Switch back to Eclipse where you have left off earlier.

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Right-click on Chapter12 project and select **Build Path->Configure Build Path…** option.

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Choose **Libraries** tab, select **Classpath**, and click **Add Library…** button.

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Select **User Library** and click **Next** button.

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Click **User Libraries…** button.

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Click **New…** button

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Name the **User library “JavaFX”** and click **OK** button.

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Click **Apply and Close** button.

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Click **Add External JARs…** button, search the folder and lib sub-folder that you have extracted from the end of step #3, and select/highlight all the jar files from the **lib** sub-folder. Click **Open** button.

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Click Appy and Close button.

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Make sure the newly **User libraries “JavaFX”** is checked and click **Finish** button.

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Click **Apply** button and **Apply and Close** button.

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Remove the **JavaFX SDK** option from **Modulepath**.

Your **main.java** should now be free of error indicators (red lines)

Text

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Try to compile the code and you should get

Error: JavaFX runtime components are missing, and are required to run this application

Right-click on **Main.java**, select **Run As-> Run Configuration…,** select the **(X)= Arguments** tab**.**

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Replace the VM arguments with the following text:

**--module-path C:\FX\lib --add-modules=javafx.controls**

* **Make sure the VM arguments is changed to with the path of your extracted lib folder from the end of step #3.**

Click **Run…** button.

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Congratulations! You should see an example of a Windows application popped up.

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