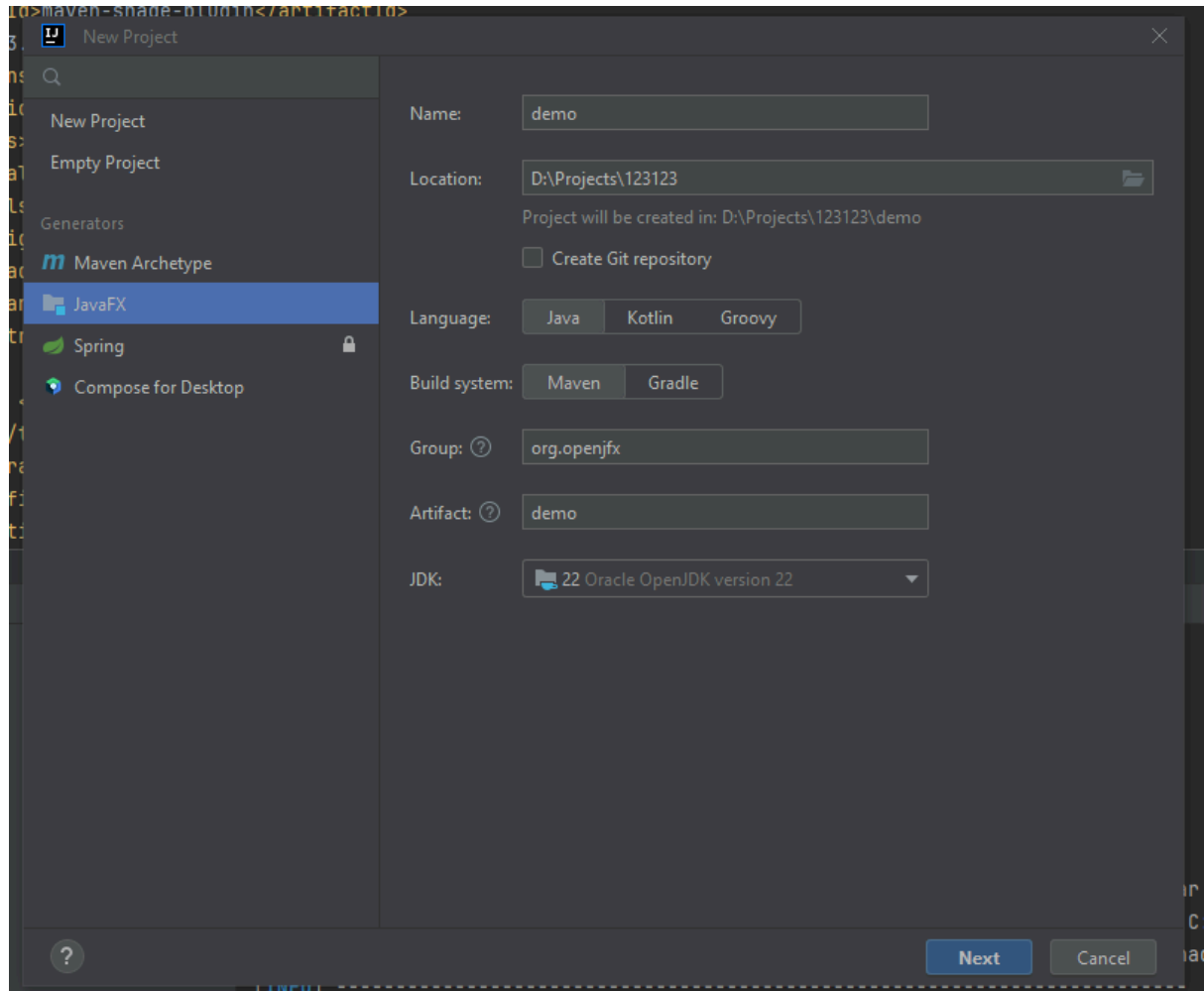


Install JDK 22

https://www3.ntu.edu.sg/home/ehchua/programming/howto/JDK_HowTo.html

Create new project from IntelliJ 2023.3



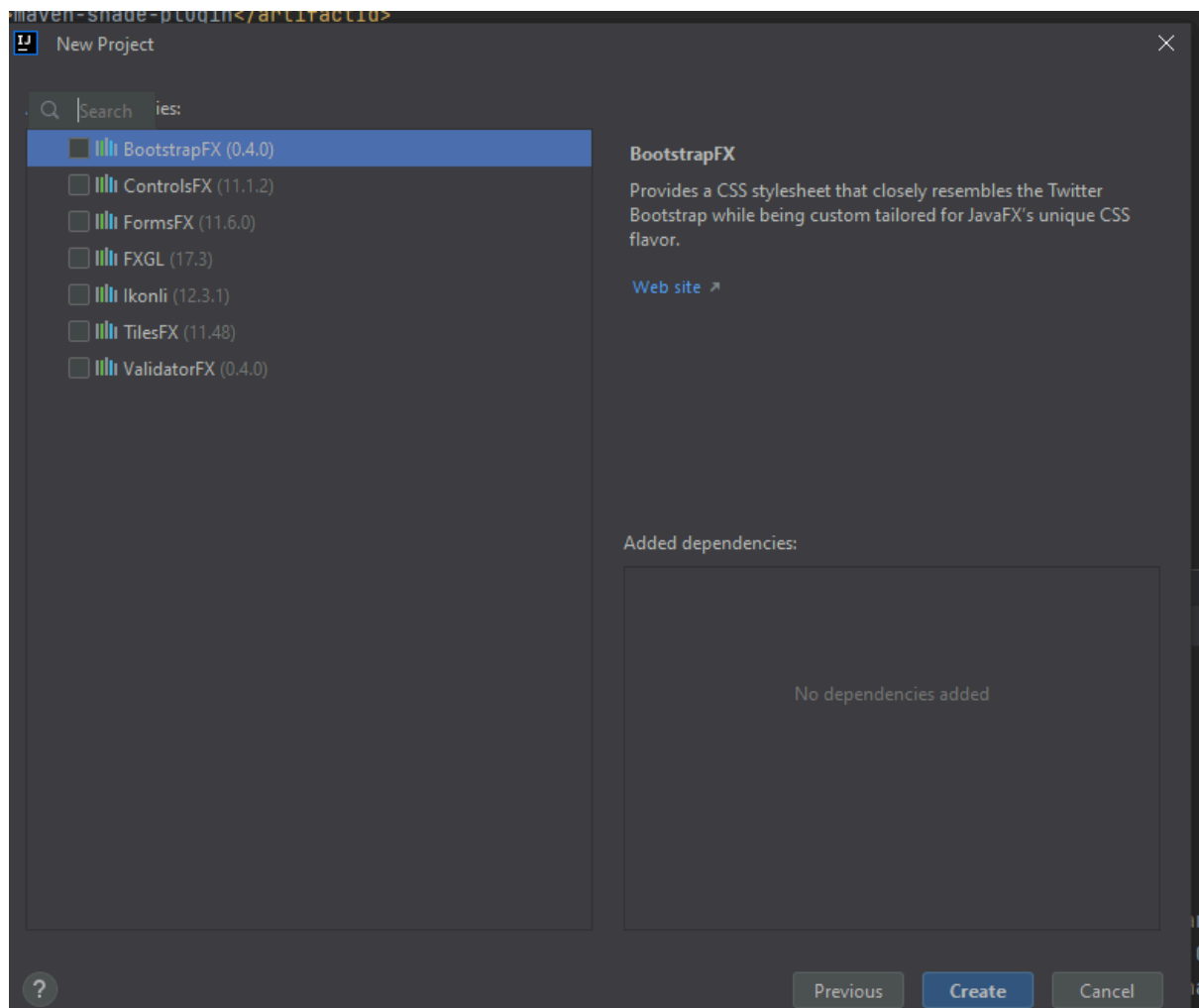
Select JavaFX

Group is org.openjfx

Using JDK 22

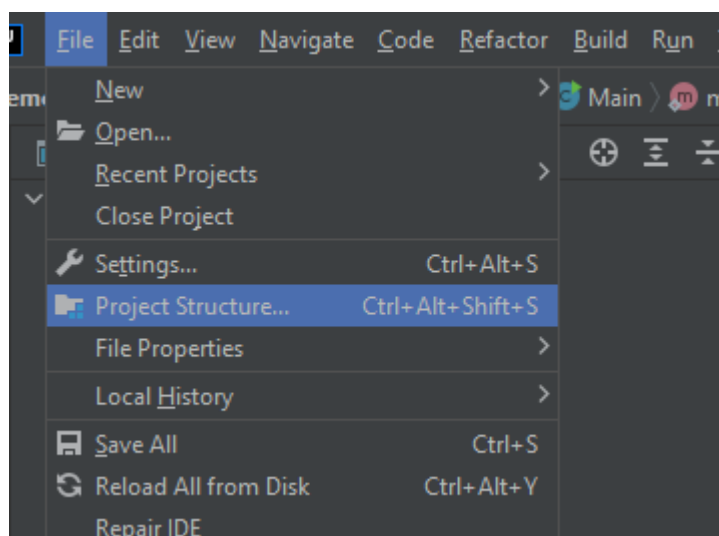
Maven Java

Dont need any of these:

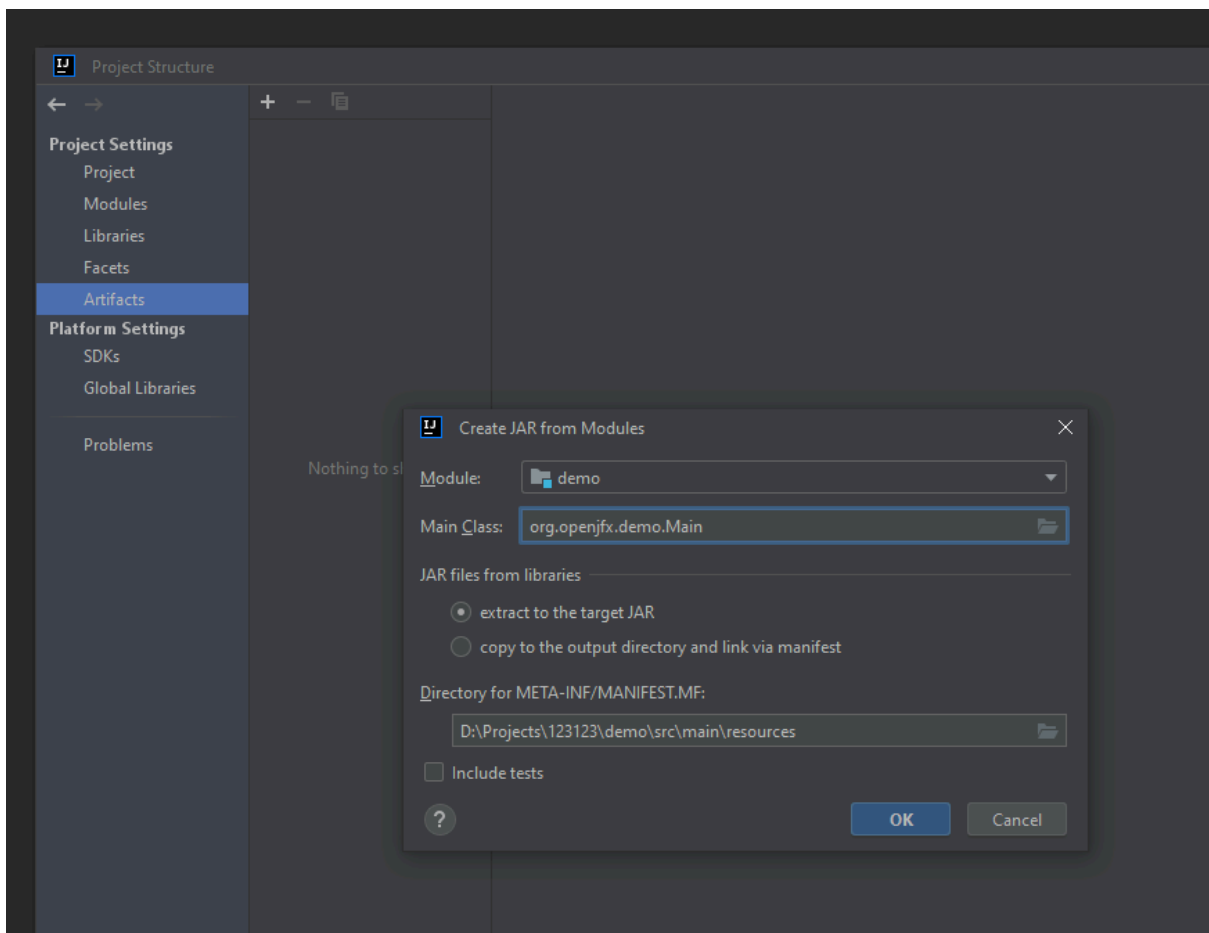
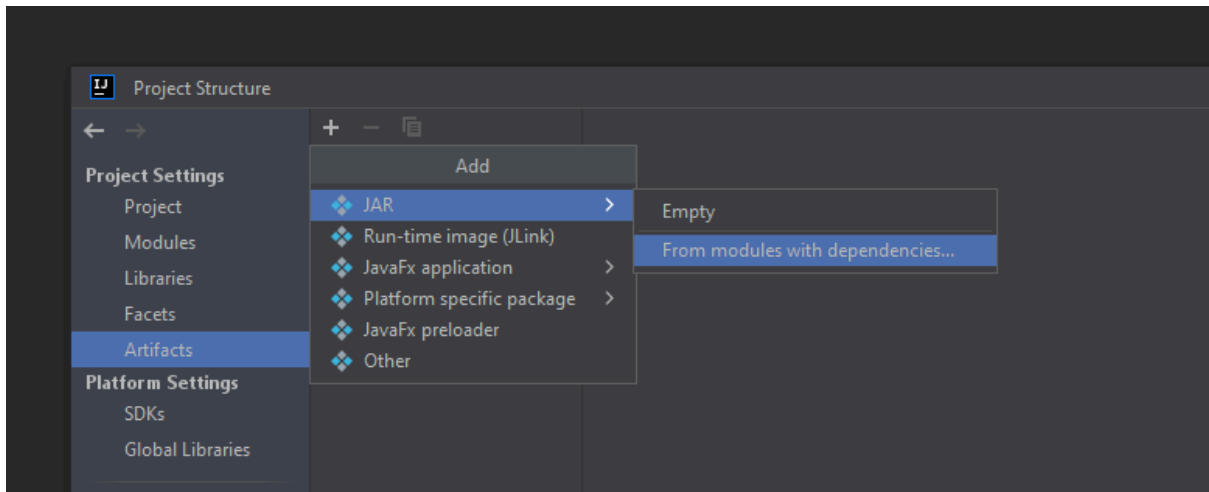


Then start coding (if neccesary)

Go to



Then artefacts:



Apply, then OK

I followed this video for compiling
<https://www.youtube.com/watch?v=EyYb0GmtEX4>

The pom.xml file should be something like this:

```
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
https://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>org.example</groupId>
  <artifactId>HelloFX</artifactId>
  <version>1.0-SNAPSHOT</version>
  <name>HelloFX</name>

  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
  <junit.version>5.10.0</junit.version>  </properties>

  <dependencies>
    <dependency>
      <groupId>org.openjfx</groupId>
      <artifactId>javafx-controls</artifactId>
      <version>22-ea+11</version>
    </dependency>
    <dependency>
      <groupId>org.openjfx</groupId>
      <artifactId>javafx-fxml</artifactId>
      <version>22-ea+11</version>
    </dependency>

  <dependency>
    <groupId>org.junit.jupiter</groupId>
    <artifactId>junit-jupiter-api</artifactId>
    <version>${junit.version}</version>
    <scope>test</scope>
  </dependency>
  <dependency>
    <groupId>org.junit.jupiter</groupId>
    <artifactId>junit-jupiter-engine</artifactId>
    <version>${junit.version}</version>
    <scope>test</scope>
  </dependency>  </dependencies>

  <build>
    <plugins>
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-shade-plugin</artifactId>
        <version>3.5.2</version>
        <executions>
          <execution>
            <goals>
              <goal>shade</goal>
            </goals>
          </execution>
        </executions>
      </plugin>
    </plugins>
  </build>
</project>
```

```

        </goals>
        <configuration>
            <shadedArtifactAttached>true</shadedArtifactAttached>
            <transformers>
                <transformer implementation=
"org.apache.maven.plugins.shade.resource.ManifestResourceTransformer">
                    <mainClass>org.example.hellofx.Main</mainClass>
                </transformer>
            </transformers>
        </configuration>
    </execution>
</executions>
</plugin>
<plugin>
    <groupId>org.apache.maven.plugins</groupId>
    <artifactId>maven-compiler-plugin</artifactId>
    <version>3.11.0</version>
    <configuration>
        <source>22</source>
        <target>22</target>
    </configuration>
</plugin>
<plugin>
    <groupId>org.openjfx</groupId>
    <artifactId>javafx-maven-plugin</artifactId>
    <version>0.0.8</version>
    <executions>
        <execution>
            <!-- Default configuration for running with: mvn clean javafx:run
-->

            <id>default-cli</id>
            <configuration>

<mainClass>org.example.hellofx/org.example.hellofx.Main</mainClass>
                <launcher>app</launcher>
                <jlinkZipName>app</jlinkZipName>
                <jlinkImageName>app</jlinkImageName>
                <noManPages>true</noManPages>
                <stripDebug>true</stripDebug>
                <noHeaderFiles>true</noHeaderFiles>
            </configuration>
        </execution>
    </executions>
</plugin>
</plugins>
</build>
</project>

```

Dont copy paste this because otherwise the build wont work, needs to be specific to your project

Make sure this section is correct based on how you created your project

```
6
7     <groupId>org.openjfx</groupId>
8     <artifactId>demo</artifactId>
9     <version>1.0-SNAPSHOT</version>
10    <name>demo</name>
11
12    <properties>
```

```
    <shadedArtifactAttached>true</shadedArtifactAttached>
    <transformers>
      <transformer implementation=
        "org.apache.maven.plugins.shade.resource.ManifestResourceTransformer">
        <mainClass>org.openjfx.demo.Main</mainClass>
      </transformer>
    </transformers>
  </configuration>
```

Then used Launch4j to turn jar into exe (if necessary)

The exe requires JRE which should be fine since we are coding in Java.