GraveFinder setup

1. Java
   1. Ensure Java is setup correctly by typing

Java -version

* 1. If Java is not installed, download and install the latest JDK from the Oracle website.

1. Maven
   1. Install the latest Maven from <https://maven.apache.org/download.cgi>
   2. Download the Binary zip archive
   3. For this app it is version apache-maven-3.9.8-bin.zip
   4. Extract the zip to C:\Program Files\Maven
   5. Setup Environment Variables
      1. Set the MAVEN\_HOME environment variable:
         1. Open the Start Menu and search for Environment Variables.
         2. Click on Edit the system environment variables.
         3. In the System Properties window, click on Environment Variables.
         4. Under System variables, click New and add:

Variable name: MAVEN\_HOME

* + - 1. Variable value: C:\Program Files\Apache\Maven\apache-maven-3.9.8 (adjust the path based on your extraction location and Maven version).
    1. Add Maven to the Path
       1. In the System variables section, find the Path variable and click Edit.
       2. Click New and add the path to the Maven bin directory:
       3. C:\Program Files\Apache\Maven\apache-maven-3.9.8\bin
  1. Verify Installation
     1. Open a new Command Prompt and type:

mvn -version

* + 1. You should see Maven version information, confirming the installation was successful.

1. JavaFX
   1. Get the latest JavaFX SDK from <https://gluonhq.com/products/javafx/>
   2. This app is using 22.0.2
   3. Extract zip file to C:\Program Files\JavaFX\javafx-sdk-22.0.2
   4. Make sure you have it setup correct in your pom.xml file
2. Folder Structure

project-root

│

├── src

│ ├── main

│ │ ├── java

│ │ │ └── com

│ │ │ └── yourpackage

│ │ │ ├── App.java

│ │ │ └── controllers

│ │ │ └── YourController.java

│ │ └── resources

│ │ └── fxml

│ │ └── yourfile.fxml

│ └── test

│ └── java

│ └── com

│ └── yourpackage

│ └── AppTest.java

└── pom.xml

1. Selenium Setup
   1. Find Selenium in the Maven repository
   2. This app is using version 4.23.0
   3. Copy the dependency into the pom.xml file
2. Webdriver
   1. Edge
      1. Browser version: Version 127.0.2651.74 (Official build) (64-bit)
      2. Download Edge Web driver at [Microsoft Edge WebDriver | Microsoft Edge Developer](https://developer.microsoft.com/en-us/microsoft-edge/tools/webdriver/?form=MA13LH)
         1. Used same driver as Edge
      3. Add to system path
   2. Chrome
      1. Browser version: Version 127.0.6533.89 (Official Build) (64-bit)
      2. Downloaded driver <https://storage.googleapis.com/chrome-for-testing-public/127.0.6533.88/win64/chromedriver-win64.zip>
      3. Added to system path
3. Cemetery
   1. Map the cemetery html elements to the Cemetery class properties
      1. cemeteryId
         1. This will be the id the user enters, no sense in searching for it
      2. name
         1. Will be the pageTitle using Selenium driver.getTitle();