

Installing and running the local check projects in Eclipse

Setup projects

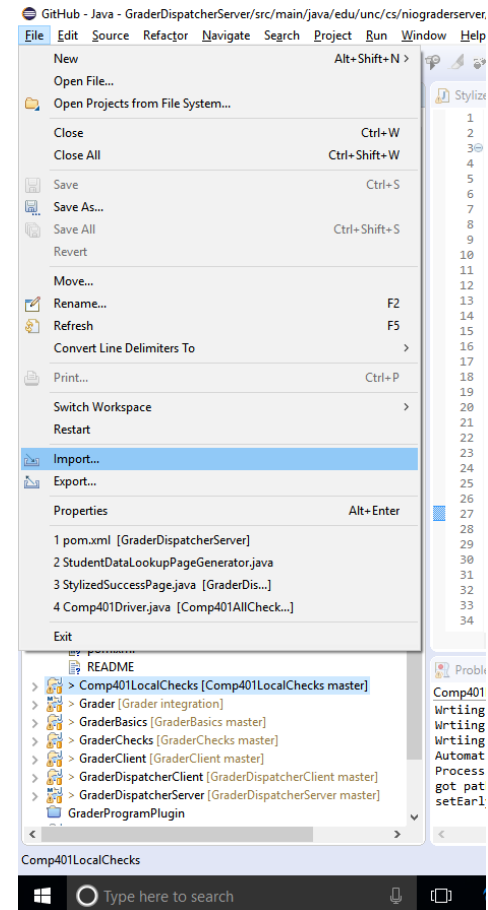
Download projects from Github

Quick overview, in depth follows

- File->Import...
- Git->Projects from git
- Clone URI
 - <https://github.com/pdewan/Comp401LocalChecks.git>
 - <https://github.com/pdewan/GraderBasics.git>

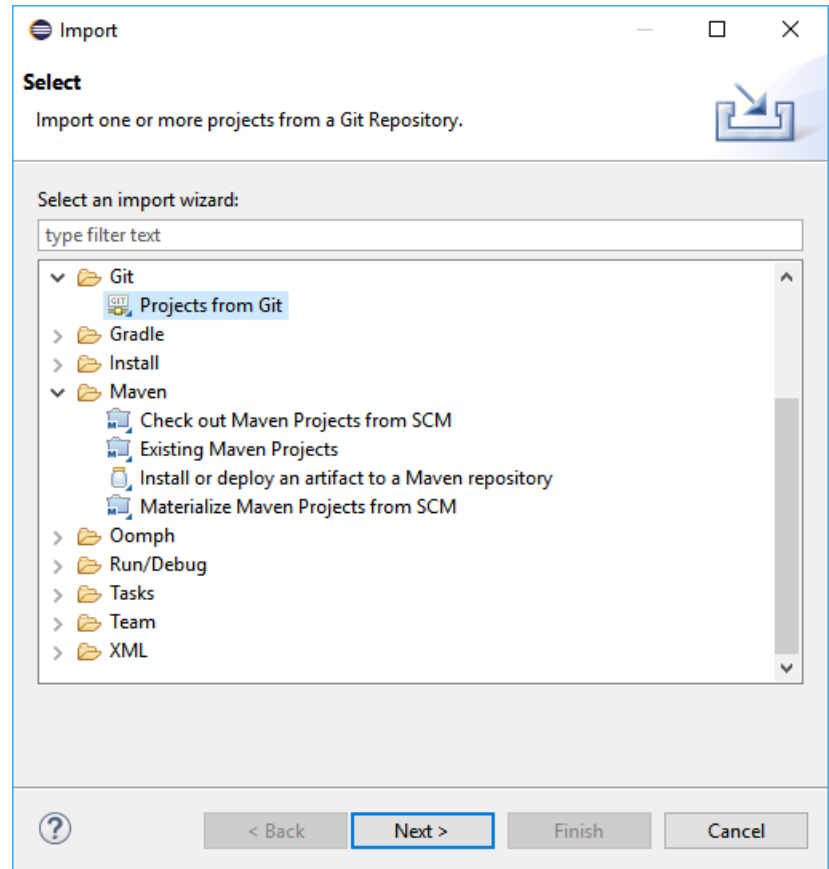
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- Import project



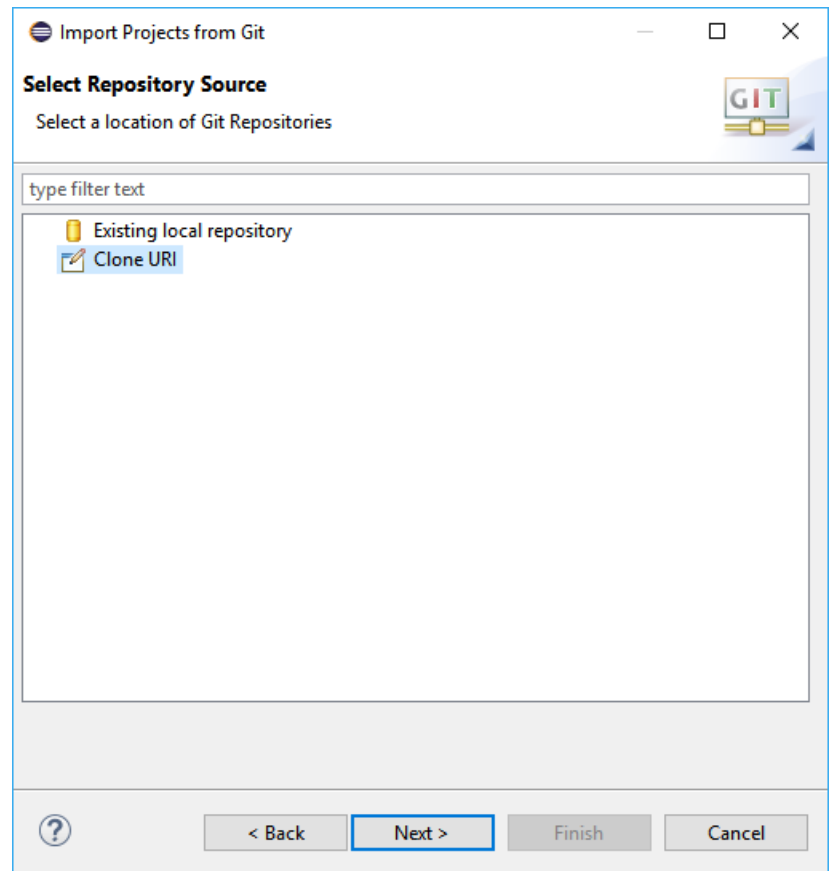
Download projects from Github

- Select “Projects from Git”



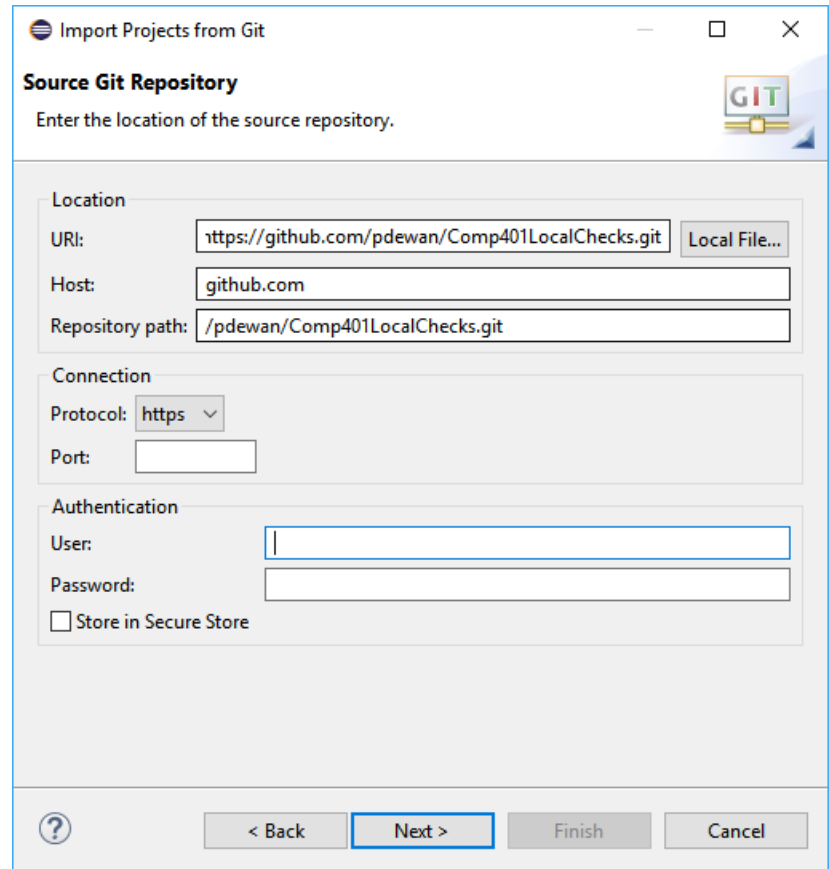
Download projects from Github

- Clone URI
- Comp401LocalChecks
 - <https://github.com/pdewan/Comp401LocalChecks.git>
- GraderBasics
 - <https://github.com/pdewan/GraderBasics.git>



Download projects from Github

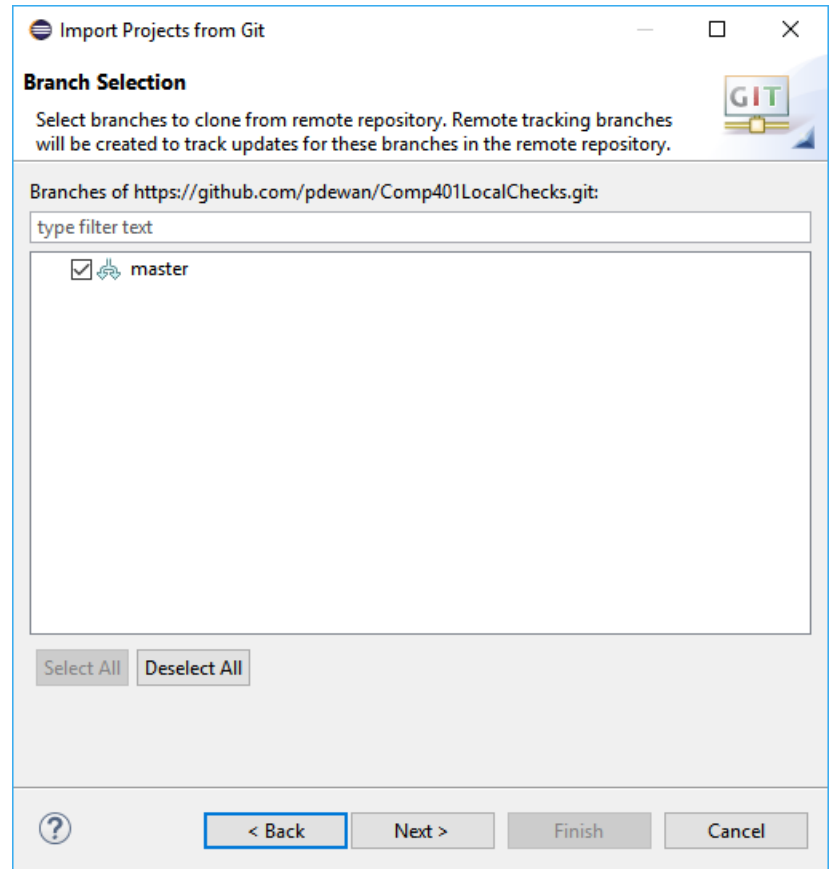
- Set the URI for the project from GitHub
- Eclipse autocompletes the rest



The screenshot shows the 'Import Projects from Git' dialog box in Eclipse. The title bar reads 'Import Projects from Git'. Below the title bar, the text 'Source Git Repository' is followed by the instruction 'Enter the location of the source repository.' and a small Git logo. The dialog is divided into three sections: 'Location', 'Connection', and 'Authentication'. In the 'Location' section, the 'URI' field contains 'https://github.com/pdewan/Comp401LocalChecks.git', the 'Host' field contains 'github.com', and the 'Repository path' field contains '/pdewan/Comp401LocalChecks.git'. There is a 'Local File...' button next to the URI field. In the 'Connection' section, the 'Protocol' is set to 'https' and the 'Port' field is empty. In the 'Authentication' section, the 'User' and 'Password' fields are empty, and there is a checkbox for 'Store in Secure Store' which is unchecked. At the bottom of the dialog, there are four buttons: a help button (question mark icon), '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a blue border.

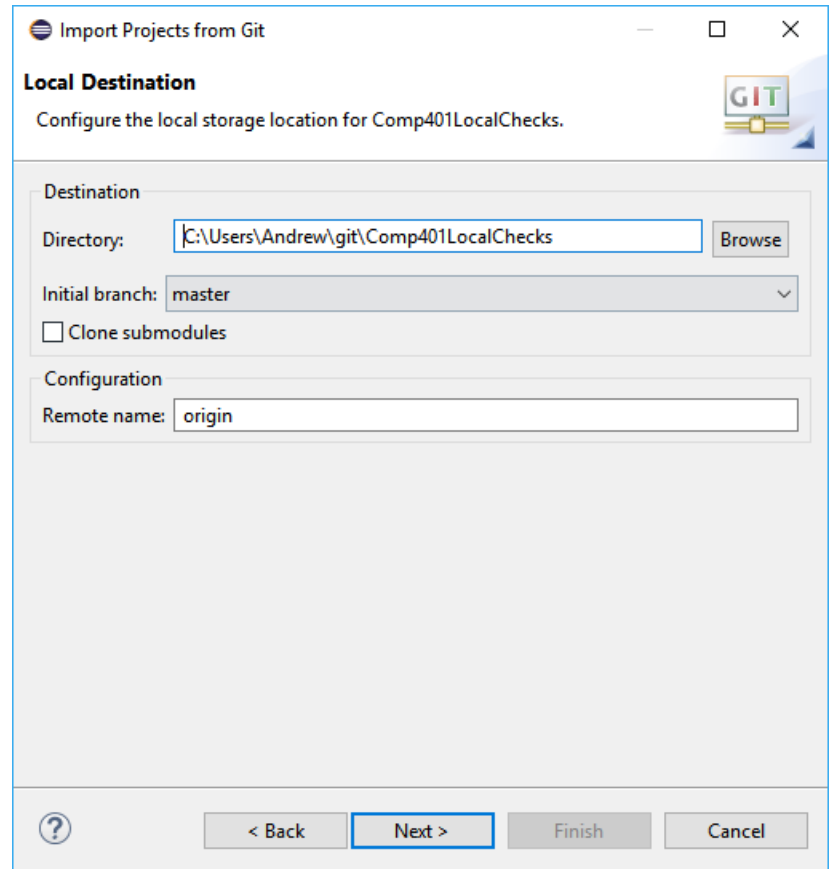
Download projects from Github

- Choose the “master” branch



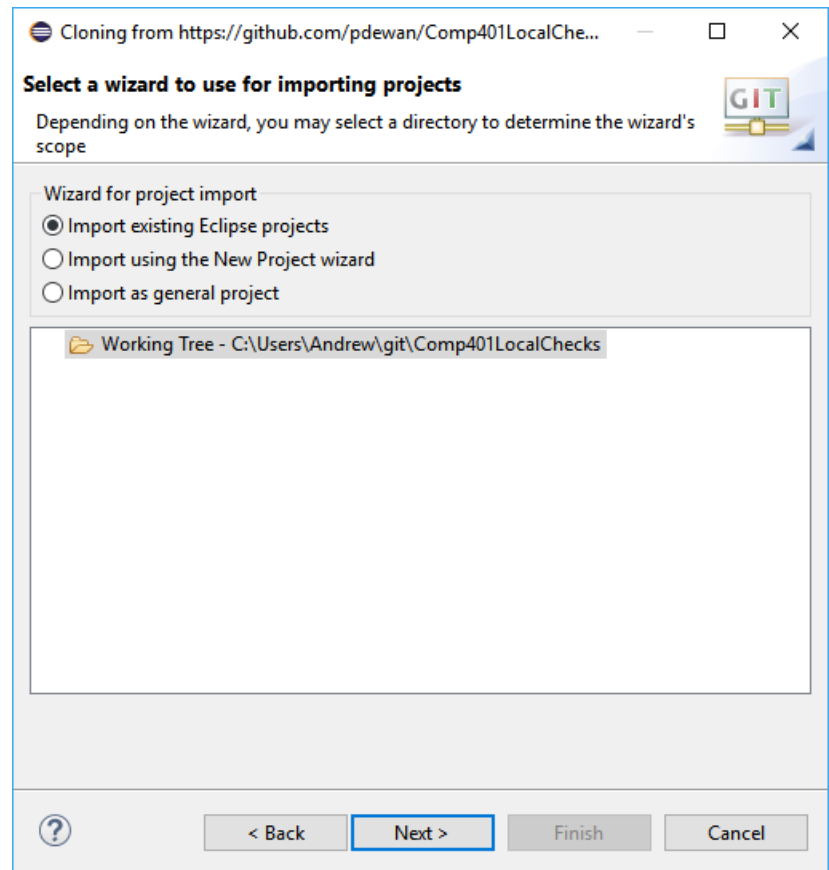
Download projects from Github

- Choose a directory to save the git project



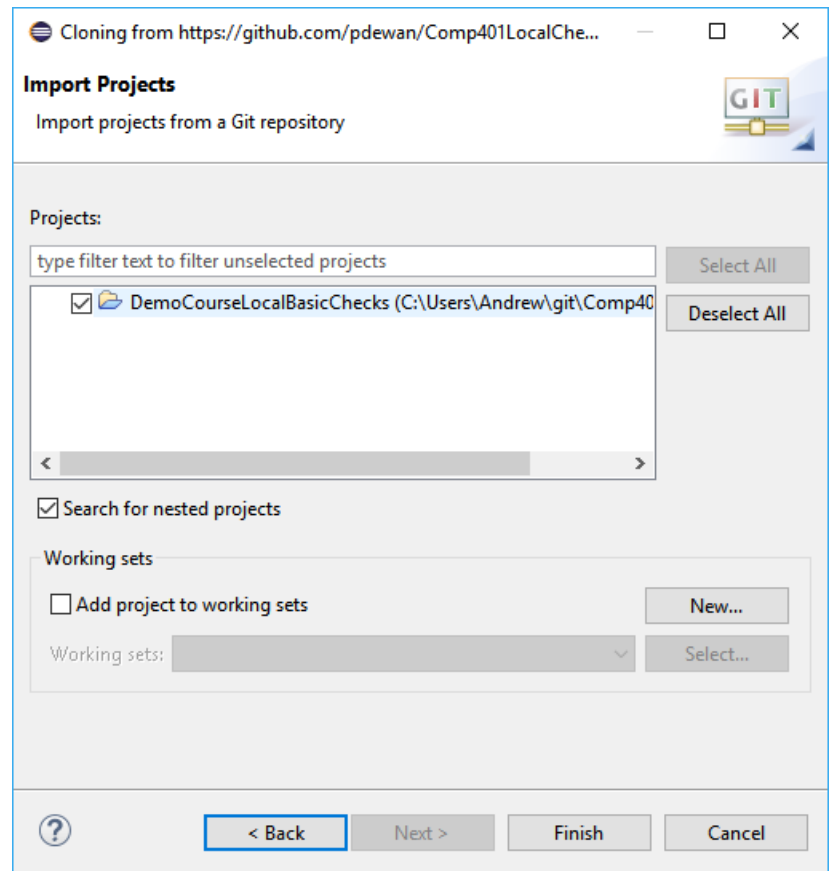
Download projects from Github

- All projects are existing Eclipse projects



Download projects from Github

- There may be other projects in the git repository, only import the relevant ones (not Assignments)



Correct dependencies

- Projects
 - DemoCourseLocalBasicsChecks = Comp401LocalChecks
- Libraries
 - oeall22.jar from course website

ObjectEditor Version 22 (latest, use this unless it fails on you)	oeall22
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Classpath jars

- Need to put these in the system classpath:
 - UNChecks_6.5.0.jar is on course page [UNChecks_6.5.0.jar](#)
 - Checkstyle-6.5-all.jar is in shared google drive
Comp401Instructors



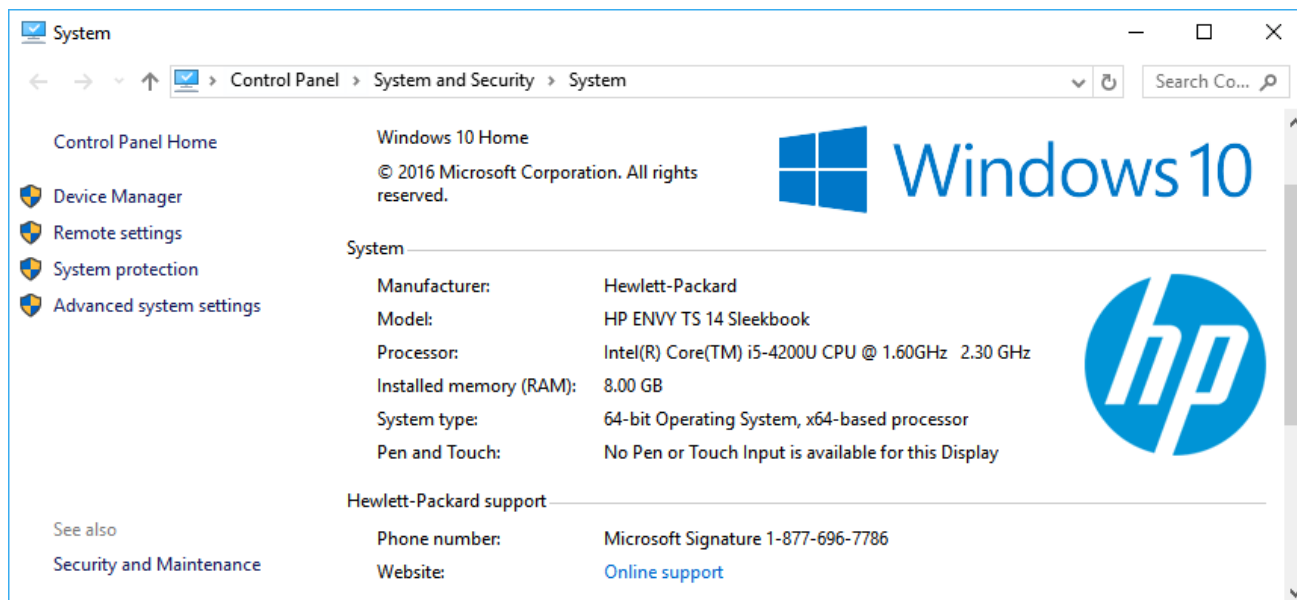
checkstyle-6.5-all.jar



UNChecks_6.5.0.jar

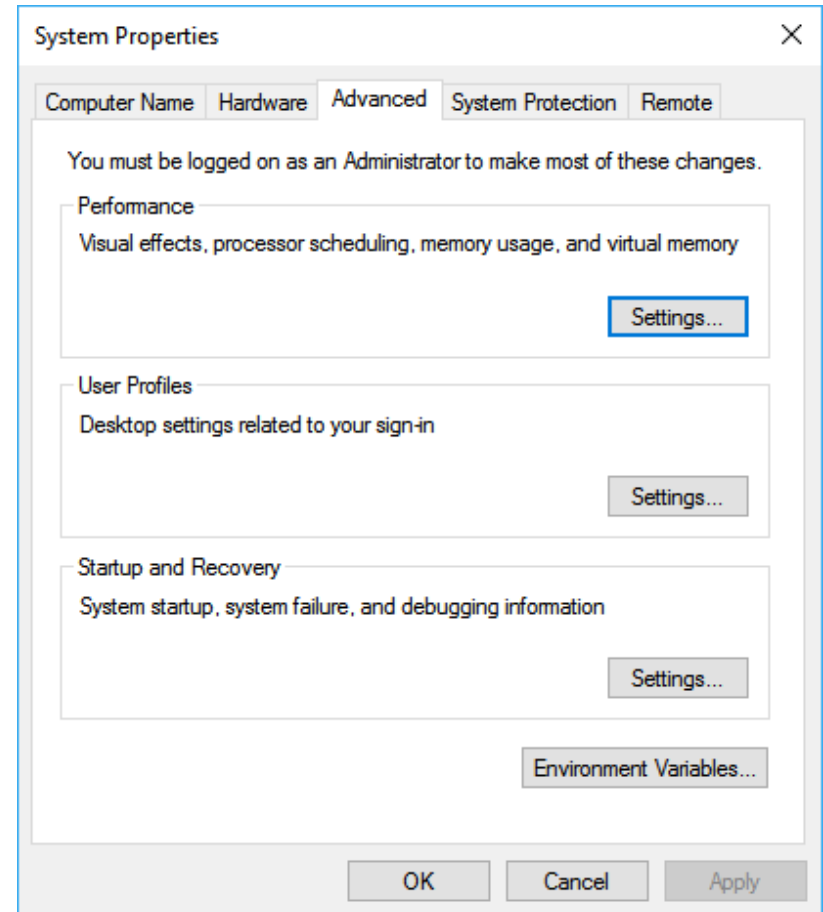
Setup Checkstyle/UNC Checks (Windows)

- Open “System” from “System and Security” in the Control Panel
- Select “Advanced system settings”



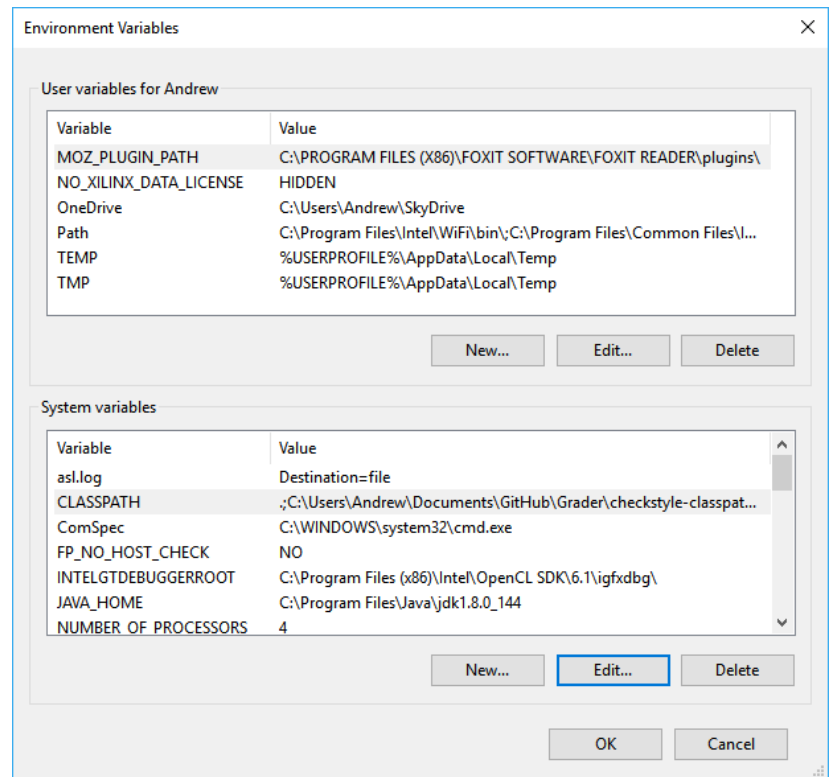
Setup Checkstyle/UNC Checks (Windows)

- Select Environment Variables...



Setup Checkstyle/UNC Checks (Windows)

- Create a new environment variable called “CLASSPATH” and set it to contain 3 paths separated by semicolons
 - .
 - Path to checkstyle-6.5.0-all.jar
 - Path to UNC_Checks6.5.0.jar
- .;C:\Users\Andrew\Documents\GitHub\Grader\checkstyle-classpath\checkstyle-6.5-all.jar;C:\Users\Andrew\Documents\GitHub\Grader\checkstyle-classpath\UNCChecks_6.5.0.jar



Run local checks

Setup assignment for local checks

- Open assignment with eclipse
- Add local checks dependencies
 - Projects
 - Comp401LocalChecks
 - GraderBasics
- Add new main class to call local check suite

Sample test class

```
package main;
```

```
import gradingTools.comp401f17.assignment1.testcases.Assignment1Suite;
```

```
public class A1LocalChecks {  
    public static void main(String[] args) {  
        Assignment1Suite.main(args);  
    }  
}
```

Run local checks

- Select test main class
- Right click → Debug As → Java Application
- AGradeableJUnitTopLevelSuite → Test All