## Installing and running the local check projects in Eclipse

# Setup projects

Quick overview, in depth follows

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

Import project

) G	iitHub - Java - G	iraderDispat	.cherServer/	src/main/	/java/edu, Project	/unc/cs	s/nio Wii	grade	rserver, Heln
Ene	New	Keracijor	Navigate	Segren	Alt+	-Shift+1	<u>vv</u> N >	1:0	d ca
	Open File							F	0° 6'
<b>_</b>	Open Projects	from File Sy	/stem						Stylize
	Close					Ctrl+V	N		1
	Close All				Ctrl+	Shift+V	N		30 4
	Save					Ctrl+	s		5
8	Save As								ь 7
6	Save All				Ctrl-	+ Shift+	s		8
	Revert								9 10
	Move								11 12
0	Rename					E	2		13
2	Refresh					F	5		14 15
	Convert Line D	elimiters To	,				>		16
-8-	Print					Ctrl+	Р		17 18
	Switch Worksn	Dace					>		19 20
	Restart	acc							21
-	Import								22 23
	Fxport								24
	Dtim								26
	Properties				A	lt+Ente	er.		27 28
	1 pom.xml [Gi	raderDispato	:herServer]						29
	2 StudentData	LookupPage	Generator.j	ava					30 31
	3 StylizedSucce	essPage.java	GraderDe	s]					32
	4 Comp401Dri	ver.java [Co	mp401AIIC	.heck]					33 34
	Exit								
	README	ε							Proble
>	💦 > Comp401	LocalCheck	s [Comp401	LocalChe	ecks maste	er]		Co	mp401
>	😽 > Grader [G	rader integr	ation]	-				Wr	tiing
>	🛃 > GraderBas	sics [GraderE	Basics maste	er]				Wn	tiing
>	> GraderCh	ecks [Grade	rChecks ma	ister]				Wr	tiing
>	First StraderCline Control Pice	ent [Grader	lient maste	er]		1		Pn	ocess
>	SraderDis	patcherClie	nt [GraderD	ispatcher	Client ma:	sterj		go	t pat
>	Staderus GraderProgr	patcherServ	er [GraderD	ispatcher	Server ma	isterj		se	tEarl
<	Giaderriogi	amelugin					> ~	<	
om	n401LocalChecl	ks							
u	p+0.120ca.c	3							
H	О Туре						ļ,	[]]	) (

 Select "Projects from Git"

➡ Import		$\times$
Select Import one or more projects from a Git Repository.	Ľ	1
Select an import wizard:		
type filter text		
<ul> <li>Git</li> <li>Projects from Git</li> <li>Gradle</li> <li>Install</li> <li>Maven</li> <li>Check out Maven Projects from SCM</li> <li>Existing Maven Projects</li> <li>Install or deploy an artifact to a Maven repository</li> <li>Materialize Maven Projects from SCM</li> <li>Oomph</li> <li>Run/Debug</li> <li>Tasks</li> <li>Team</li> <li>XML</li> </ul>		~
Sack Next > Finish	Canc	el

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



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

Import Projects from Git
Source Git Repository Enter the location of the source repository.
Location         URI:       1ttps://github.com/pdewan/Comp401LocalChecks.git         Host:       github.com         Repository path:       /pdewan/Comp401LocalChecks.git         Connection       Protocol:         https:
Port:     Authentication   User:   Password:   Store in Secure Store
Cancel

 Choose the "master" branch

Import Projects from Git		
Branch Selection	GIT	
will be created to track updates for these branches in the remote repository.		
Branches of https://github.com/pdewan/Comp401LocalChecks.git:		
type filter text		
区。 master		
Content and the second seco	Cancel	

• Choose a directory to save the git project

Local Destination Configure the local storage location for Comp401LocalChecks.
Destination
Directory: C:\Users\Andrew\git\Comp401LocalChecks Browse
Initial branch: master ~
Clone submodules
Configuration
Remote name: origin
? < Back Next > Finish Cancel

• All projects are existing Eclipse projects

Cloning from https://github.com/pdewan/Comp401LocalChe
Select a wizard to use for importing projects Depending on the wizard, you may select a directory to determine the wizard's scope
Wizard for project import Import existing Eclipse projects Import using the New Project wizard Import as general project
C> Working Tree - C:\Users\Andrew\git\Comp401LocalChecks
? < Back Next > Finish Cancel

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

Cloning from https://github.com/pdewan/Comp401LocalChe	
Import Projects Import projects from a Git repository	GIT
Projects:	
type filter text to filter unselected projects	Select All
DemoCourseLocalBasicChecks (C:\Users\Andrew\git\Comp40	Deselect All
Search for period projects	
Working sets	
Add project to working sets	New
Working sets:	Select
? < Back Next > Finish	Cancel

#### Correct dependencies

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

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

#### Classpath jars

• Need to put these in the system classpath:

UNChecks\_6.5.0.jar is on course page

UNCChecks 6.5.0.jar

• Checkstyle-6.5-all.jar is in shared google drive Comp401Instructors



# 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...

System Properties	×
Computer Name Hardware Advanced System Protection Remote	
You must be logged on as an Administrator to make most of these changes. Performance Visual effects, processor scheduling, memory usage, and virtual memory Settings	
User Profiles Desktop settings related to your sign-in Settings	
Startup and Recovery System startup, system failure, and debugging information Settings	
Environment Variables	
OK Cancel Apply	

# 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-6.5.0all.jar
  - Path to UNC\_Checks6.5.0.jar
- .;C:\Users\Andrew\Documents\G itHub\Grader\checkstyleclasspath\checkstyle-6.5all.jar;C:\Users\Andrew\Docume nts\GitHub\Grader\checkstyleclasspath\UNCChecks\_6.5.0.jar

Variable	Value	
Moz plugin path	C:\PROGRAM FILES (X86)\FOXIT SOFTWARE\FOXIT READER\plugins\	
NO XILINX DATA LICENSE	HIDDEN	
OneDrive	C:\Users\Andrew\SkyDrive	
Path	C:\Program Files\Intel\WiFi\bin\;C:\Program Files\Common Files\I	
TEMP	%USERPROFILE%\AppData\Local\Temp	
тмр	%USERPROFILE%\AppData\Local\Temp	
	New Edit Delete	
stem variables	New Edit Delete	
stem variables Variable	New Edit Delete	^
stem variables Variable asl.log	New Edit Delete	^
stem variables Variable asl.log CLASSPATH	New     Edit     Delete       Value       Destination=file       ,:C:\Users\Andrew\Documents\GitHub\Grader\checkstyle-classpat	^
stem variables Variable asl.log CLASSPATH ComSpec	New     Edit     Delete       Value       Destination=file       ,:C:\Users\Andrew\Documents\GitHub\Grader\checkstyle-classpat       C:\WINDOWS\system32\cmd.exe	^
stem variables Variable asl.log CLASSPATH ComSpec FP_NO_HOST_CHECK	New     Edit     Delete       Value       Destination=file       ;C:\Users\Andrew\Documents\GitHub\Grader\checkstyle-classpat       C:\WINDOWS\system32\cmd.exe       NO	^
stem variables Variable asl.log CLASSPATH ComSpec FP_NO_HOST_CHECK INTELGTDEBUGGERROOT	New     Edit     Delete       Value     Destination=file       ;C:\Users\Andrew\Documents\GitHub\Grader\checkstyle-classpat       C:\WINDOWS\system32\cmd.exe       NO       C:\Program Files (x86)\Intel\OpenCL SDK\6.1\igfxdbg\	^
stem variables Variable asl.log CLASSPATH ComSpec FP_NO_HOST_CHECK INTELGTDEBUGGERROOT JAVA_HOME	New     Edit     Delete       Value     Destination=file       ;C:\Users\Andrew\Documents\GitHub\Grader\checkstyle-classpat       C:\WINDOWS\system32\cmd.exe       NO       C:\Program Files (x86)\Intel\OpenCL SDK\6.1\igfxdbg\ C:\Program Files\Java\jdk1.8.0_144	^
stem variables Variable asl.log CLASSPATH ComSpec FP_NO_HOST_CHECK INTELGTDEBUGGERROOT JAVA_HOME NUMBER OF PROCESSORS	New     Edit     Delete       Value       Destination=file       ,:C:\Users\Andrew\Documents\GitHub\Grader\checkstyle-classpat       C:\WINDOWS\system32\cmu.exe       NO       C:\Program Files (x86)\Intel\OpenCL SDK\6.1\igfxdbg\ C:\Program Files\Java\jdk1.8.0_144       4	~

## 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  $\rightarrow$  Debug As  $\rightarrow$  Java Application
- AGradeableJUnitTopLevelSuite → Test All