## TURNING IN ASSIGNMENTS

#### JAVA VERSION

#### • IF YOU USE JAVA 9 YOUR CODE WILL FAIL

• Our grader and tester use and rely on Java 8, if you use Java 9 or a different version of java you will fail all tests resulting in a 0

# DO NOT USE JAVA 9

#### MAKING YOUR ASSIGNMENT JAVA 8

• When creating a new project make sure the execution environment is set to Java 1.8

New Java Project		_	
Create a Java Project Create a Java project in the workspace or in an e	xternal location.		
Project name: torell_assignment0 Use default location Location: C:\Users\Kent Torell\Documents\G	radSchool\Comp410WorkSpace	2)	Browse
JRE © Use an execution environment JRE: O Use a project specific JRE: O Use default JRE (currently 'jdk1.8.0_181')	JavaSE-9 CDC-1.0/Foundation-1.0 OSGi/Minimum-1.0 CDC-1.1/Foundation-1.1 JRE-1.1		~
Project layout O Use project folder as root for sources and O Create separate folders for sources and cla Working sets	J2SE-1.4 J2SE-1.5 JavaSE-1.6 JavaSE-1.7		
Add project to working sets	JavaSE-1.8 JavaSE-9 JavaSE-10		Select

 The default compiler compliance level for the current workspace is 1.8. The new project will use a project specific compiler compliance level of 9.

Next >

Finish

#### CHANGING JAVA VERSIONS

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- Make sure you see Java SE1.8 or something similar in your package explorer
  - ✓ E torell\_assignment0
     > JRE System Library [JavaSE-1.8]
     ✓ E src
     > Assignment0

- If not:
  - Right click on PROJECT
  - Select BUILD PATH → CONFIGURE BUILD PATH

torell_assignr IRE Syster IRE Syster		New Go Into	>		
> 册 Assigr ⊌ torell_assignr ⊌ torell_assignr		Open in New Window Open Type Hierarchy Show In	F4 Alt+Shift+W >		
		Copy Copy Qualified Name	Ctrl+ C		
	1 1 1	Paste Delete	Ctrl+V Delete		
	<u>S</u>	Remove from Context	Ctrl+Alt+Shift+Down		
		Build Path Source	> Alt+Shift+S >	₩ #	Link Source New Source Folder
	24 24	Refactor Import Export	Alt+Shift+T >	#	Use as Source Folder Add External Archives Add Libraries
	S.	Refresh Close Project Close Unrelated Projects Assign Working Sets	F5	8.	Configure Build Path
		Coverage As Run As Debug As	>	-	
		Validate Restore from Local History Checkstyle	>		
		Team Compare With	>		
		Configure Properties	> Alt+Enter		

#### CHANGING JAVA VERSIONS

• Java build path  $\rightarrow$  Libraries  $\rightarrow$  (if using java 9) Class path  $\rightarrow$  Select current

java version  $\rightarrow$  Edit

Properties for Test		$ \Box$ $\times$
type filter text	Build path entry is missing: org.eclipsedebug.ui.launcher.Standard	/MType/JavaSE-9 🦕 🖛 🤿 👻 🖛
<ul> <li>type filter text</li> <li>Resource Builders Checkstyle Coverage Java Build Path</li> <li>Java Code Style</li> <li>Java Compiler</li> <li>Java Editor Javadoc Location Project References Run/Debug Settings</li> <li>Task Repository Task Tags</li> <li>Validation WikiText</li> </ul>	Image: Source Projects	Add JARs Add External JARs Add External JARs Add Class Folder Add Class Folder Add External Class Folder Edit Remove Migrate JAR File
		Apply
?		Apply and Close Cancel

#### CHANGING JAVA VERSIONS

• Execution environment -> JavaSE-1.8  $\rightarrow$  Finish  $\rightarrow$  Apply and Close

Execution environment:	JavaSE-9 (unbound)	$\sim$	Envir <u>o</u> nments
○ Alternate <u>J</u> RE: ○ Workspace <u>d</u> efault JRE (jd	JRE-1.1 (jdk1.8.0_181) OSGi/Minimum-1.1 (jdk1.8.0_181) J2SE-1.2 (jdk1.8.0_181) OSGi/Minimum-1.2 (jdk1.8.0_181) J2SE-1.3 (jdk1.8.0_181) J2SE-1.4 (jdk1.8.0_181) J2SE-1.5 (jdk1.8.0_181) JavaSE-1.6 (jdk1.8.0_181) JavaSE-1.7 (jdk1.8.0_181) JavaSE-1.8 (jdk1.8.0_181) JavaSE-9 (unbound)		Installed JREs
	JavaSE-10 (unbound)		
	Finish		Cancel

### NAMING CONVENTIONS

- Project name: yourOnyen\_assignment
  - Example: Torell\_assignment0
- Package name: Provided with each assignment
- Class name: also provided
- Failure to follow these conventions will result in the autograder failing to find your work and assigning a 0

required to submit this interface as well as your other java files.

(1) Interface HelloWorld\_Interface

package Assignment0;

\* COMP 410

- \* Make your class and its methods public!
- \* Don't modify this file!
- \* Begin by creating a class that implements this interface.

\*/

public interface HelloWorld\_Interface {

Interface: A HelloWorld will implement the following interface

String say\_it
 in: nothing
 return: String "hello world"

String say\_it\_loud in: nothing return: String "HELLO WORLD"

\*/

String say\_it();
String say\_it\_loud();

(2) Class HelloWorld

#### TESTING YOUR CODE

- We have provided some testing code
  - Passing our checks DOES NOT guarantee a high grade
- Write your own code to test edge cases
  - Passing our checks DOES NOT guarantee a high grade
- Testing code is not always accurate, bugs are a thing
  - Passing our checks DOES NOT guarantee a high grade

TLDR: Passing our checks DOES NOT guarantee a high grade

#### ADDING THE TESTER

- Download the LocalChecks.jar from Sakai and put it somewhere safe (Desktop, special folder, wherever it wont get deleted or moved by accident)
  - \*\*\*Do not put it in your eclipse workspace\*\*\*
  - When downloading on a windows machine it will say the file might be dangerous, this is normal, it isn't dangerous

Additional resources for assignment

<u>410LocalChecks.jar</u> ( 4 MB; Aug 24, 2018 2:47 pm )

#### ADDING THE TESTER

- Right click on eclipse project, select properties → Java Build Path → Libraries → Add External JAR
- Find the 410LocalChecks.jar and hit open
  - This should add it to the libraries list
- Apply and close

Replace With Configure	>	
Properties	Alt+Enter	

Properties for tester		— 🗆 X
	Java Build Path	<> ▼ <> ▼ ▼
<ul> <li>&gt; Resource Builders Checkstyle Coverage</li> <li>Java Build Path</li> <li>Java Code Style</li> <li>&gt; Java Compiler</li> <li>&gt; Java Editor</li> <li>Javadoc Location</li> <li>Project References</li> <li>Refactoring History</li> <li>Run/Debug Settings</li> <li>&gt; Task Repository</li> <li>Task Tags</li> <li>&gt; Validation</li> <li>WikiText</li> </ul>	Java Build Path   Source Projects Libraries Order and Export  JARs and class folders on the build path:  JRE System Library [JavaSE-1.8]	
		Apply
?	Apply	and Close Cancel

### RUNNING THE TESTER

- Copy the code we provide for the RunTests code and execute
- If added correctly you should see the LocalChecks window appear, load, and run the tests
  - Red is fail
  - Green is pass
  - Yellow is partial fail, partial pass
  - IF YOU SEE A BUS:
    - You correctly added the LocalChecks correctly but need to run the correct file, make sure you right click on the RunTests file and run as java application
- The first time you run the tester you will see a popup about a consent form for Prasun Dewan, please accept it for research reasons
- Close your local checks window after each use or you will be wasting resources and your computer might slow down

### TURNING IN YOUR ASSIGNMENT

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- Remove LocalChecks from the build path
- Zip the folder into a folder named yourOnyen\_assignmentX.zip
- Submit the zipped folder
- To zip: Right click the Project and select Export → General → Archive File → Next

	Refactor	Alt+Shift+T >
è	Import	
4	Export	
S	Refresh	F5
	Close Project	

Select Export resources to an archive file on the local file system. Select an export wizard:	[	3
Select an export wizard:		
<ul> <li>✓ General</li> <li>Ant Buildfiles</li> <li>Image: Archive File</li> <li>Image: File System</li> <li>Image: Preferences</li> <li>Image: Image: Image: Preferences</li> <li>Image: Imag</li></ul>		

Next >

Cancel

< Back

#### TURNING IN YOUR ASSIGNMENT



#### SAKAI

- Turn in your assignment to Sakai
- Our grader automatically checks the submission date so if you submit 1 minute late you will receive a late penalty
  - When in doubt submit early!

#### **REGRADE QUESTIONS**

- All homework regrade requests or homework grade scores MUST be asked on Piazza, in a private message, in the grading\_questions folder, with the zip file attached
  - Failure to do so may result in your question being lost to the abyss
  - I will regrade at most one time per person per assignment (Half points returned)

Question if you need an answer if you don't need an answer if you need a vote
Entire Class Letter one or more mattles  Type "backward" to include all instructors.  Instructors
hw1 hw2 hw3 hw4 hw6 hw0 grading_questions_gor_instructors midterm_exam final_exam
HW1 Regrade please
Edit • Insert • View • Format • Table • B I E F IT T IE E I I C I Code tt markdown I Help I submitted my HW1 wrong, can I get a regrade? ONYEN: torell Full name: Kent Torell
Send email notifications immediately (bypassing students' email preferences, if necessary) Post My Note to COMP 410-0011 Save Draft Cancel