Tutorial: Running Eclipse in Science 256 and Checking out Labs and Assignments

CS71: Software Engineering: Mobile Development

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Start Eclipse

- Open the terminal application

 Use: [command]-[space] terminal
 - Or: look in application folder
- cd /opt/eclipse-cs71
- ./eclipse



After that the Eclipse splash should appear, like above

Use the default workspace

$\bigcirc \bigcirc \bigcirc \bigcirc$	Workspace Launcher						
Select a wor	Select a workspace						
Eclipse store Choose a wo	s your projects in a folder called a workspace. orkspace folder to use for this session.						
Workspace:	/Users/aaviv1/Documents/workspace	Browse					
🗌 Use this a	s the default and do not ask again						
	Cancel	ОК					

Click OK

Ignore EGit or Android issues for now,



But, you might need to set the android sdk folder if this is the first time your running eclipse on this machine

(see next slides or skip ahead if already set)

If you need to set up the Android SDK

- Under preferences (Eclipse -> Prefernces)
- Navigate to the Android tab, you'll see that the SDK Location has not been set
- Click the Browse button

0 0	Preferences
type filter text	🔞 Value must be an existing directory
type filter text General Android Ant Data Management Help Install/Update Java Java EE Java Persistence JavaScript Mylyn Plug-in Development Remote Systems Run/Debug Server Team Terminal Validation Web Web Services XML	Value must be an existing directory
	Restore Defaults Apply
•	Cancel OK

Android SDK's are in: /opt/eclipse-sdk/android-sdk

	android-sdks	•				() (Q	
▼ DEVICES	home	🕨 🦳 🚞 cisco	⊳	eclipseproduct		add-ons	4
iDisk	info Info	eclipse-cs71	•	android-sdks	•	docs	►
Macintosh HD	Library	eclipse-cs71.tgz		artifacts.xml		extras	-
Macintosii HD	mach kernel			configuration	⊳	platform-tools	▶
▼ SHARED	met.	-		dropins	⊳	platforms	▶
📃 winshare.ga 📤	Metwork	Þ		🔳 eclipse		samples	▶
🙆 All	ont	-		Eclipse		system-images	-
	D pids			epl-v10.html		temp	-
V PLACES	nrivate	▶ 🗍		features	⊳	tools	
Desktop	ProAnns			notice.html		_	
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Applications	shin			plugins	⊳		
Documents				readme	⊳		
T SEARCH FOR	Svstem						
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C Today							
U Yesterday							
🕒 Past Week		A					
🔯 All Images 🤺	Var	Y					
All Mouioc	volumes	P 11	I		1		11
New Folder							Cancel Open

Once android-sdk folder is selected,

click apply

$\Theta \odot \odot$	F	Preferences	
type filter text	🙆 Value must b	be an existing directory	⇔ ∗ ⇔ ▼
►General ►Android ►Ant ►Data Management ►Help	Android Preferen SDK Location: Note: The list of	nces f SDK Targets below is only reloaded once you	Browse hit 'Apply' or 'OK'.
► Install/Update	Target Name	Vendor Pla	tform API Lev
▶Java EE		No target available	
Click Apply, and the SDK's should appear. FYI: They may update automatically, if so just let it do its thing and click ok.		Restore Defaults	Apply
?		Cancel	ОК

Checking out a Lab or In-Class Assignment from SVN

- Click the new button or command-n to create a new project
- Navigate down to the SVN header and select "Project from SVN"
- Click Next



Enter SVN URL and your username and password

	Checkout Holli SVN
SVN URL	Enter Repository Location Information Define the SVN repository location information. You can specify additional settings for proxy and svn+ssh, https connections.
goes here	General Advanced SSH Settings SSL Settings
	URL: https://cs71.cs.swarthmore.edu/svn/cs71/labs/01/JavaRPNCalculate Browse
repository URL as the	Use the repository URL as the label Use a custom label:
label	Authentication
	User: aviv
Enter username	Save authentication (could trigger secure storage login)
and password,	
and you can save the	
authentication if	Show Credentials For: <a>Repository Location>
you like	Validate Repository Location on finish Reset Changes
	(?) < Back Next > Cancel Finish

Trust the Certificate



Certificate Problem

There is a problem with the site's security certificate

https://cs71.cs.swarthmore.edu/svn/cs71/labs/01/JavaRPNCalculator Check security information for the site and make your choice: do you want to trust the site or no.



Field	Value
Error validating	https://cs71.cs.swarthmore.edu:443'
- The certificat	
fingerprint to	
- The certificat	
Certificate infor	
– Subject	CN=cs71
- Valid	from Fri Jan 11 16:50:51 EST 2013 until Mon Jan 09 16:50:51 EST 2023
– Issuer	CN=cs71
- Fingerprint	c1:ac:e5:ae:6e:d4:51:77:f6:94:50:ce:b9:7f:b2:3e:f3:cc:9f:9e
nups.//cs/1.cs.sv	vartnihore.edu.443
?	Trust Always No Trust

Check out as a project with the name specified, which will be set in the SVN

00	Check Out As
Check Out As	C1
You can checkout you prefer to use.	the selected repository resource by different ways. Select the method of checkout
Choose how to che options are availabl	ck out folder 'JavaRPNCalculator' ('Checkout using New Project Wizard' and 'Find Projects' le only if there is no .project file in the resource)
O Check out as a p	project configured using the New Project Wizard
Find projects in	the children of the selected resource
Check out as a f	older into existing project
Check out as a j	project with the name specified:
JavaRPNCalculator	
Depth: Recursive	ly
Revision	
Head Revision	
O Date: 1	/18/2013 (*) 11:35:05 AM (*)
	(Browse)
Revision:	
O Revision:	
O Revision:	
O Revision:	
Revision:	

Feel free to set a master password, but it is not required



Once the project is checked out it should appear in the Project Explorer side bar



You still need to change the repository location to the submission directory

New Go Into		•	
Show In	₩¥7	•	
 Copy Copy Qualified I Paste Delete Remove from Co Build Path Pafactor 	Name ontext ে৫	₩C ₩C	 Synchronize with Repository Commit Update Update to Revision Create Patch
≧ Import ≧ Export	2001	-	Apply Patch
Refresh Close Project Close Unrelated Project	ojects	F5	Add to Version Control Add to svn:ignore Edit Conflicts Edit Tree Conflicts
Validate Show in Remote Sy Run As Debug As Profile As	stems view	***	 ♣ Branch ♥ Tag ♥ Merge ♥ Switch
Team			Switch
Compare With Replace With	lliston	•	Show History
Configure Source	nistory	•	B Lock B Unlock Scon Locks
Properties		жı	
			Set Property
			Set Keywords
			Set External Definition
			Copy To

Cleanup Disconnect

Upgrade Projects...

To switch to the submission repo, disconnect the project by right clicking on the project in the project explorer

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Navigate to Team->Disconnect

Yes, also delete the metadata





Set the submission SVN repo by right clicking on the project and, under team, choosing to share the project

Choose SVN

$\Theta \odot \odot$	Share Project		
Share Project Select the repository plug-in that wi	II be used to share the selecte	d project.	
Select a repository type:			
😭 CVS			
SVN			
? < Back	Next > Ca	ncel F	inish

Create a new repository location

Share Project wit Select an existing	h SVN repository loc	sitory				
Select an existing	repository loo					
	Select an existing repository location or create a new location.					
This wizard will be	la vou to cha	re your files with the SVAI repository for the first time. Your project				
will automatically b	e imported in	nto the SVN repository.				
Create a new re	pository locat	tion				
Use existing rep	ository locat	Ion:				
https://cs71.cs.sw	arthmor h	https://cs71.cs.swarthmore.edu/svn/cs71/labs/01/JavaRPNCalculator				
0		Cancel Finish				
\odot		Cancer Pinish				

0 0	Share Project Wizard
Enter Reposito	ry Location Information
Define the SVN additional setti	repository location information. You can specify ngs for proxy and svn+ssh, https connections.
	General Advanced SSH Settings SSL Settings
Label	
• Use the O Use a cr	repository URL as the label ustom label:
Authenticat	tion
User:	aviv
Password:	•••••
🗌 Save au	thentication (could trigger secure storage login)
To manage	your security data, please see <u>"Secure Storage"</u>
Show Credential	s For: <repository location=""></repository>
?	< Back Next > Cancel Finish

Enter the submission **SVN URL** and your username and password and click finish

You'll see a commit screen, enter a

comment and click ok

0	🔿 🕙 Commit		
Enter Ye ar cł	r a commit comment ou can specify a new message or choose the previously entered o re allowed, but filling a comment message would help other peop hanges.	ne. Empty comments le to understand the	SVN
Cor	mment		
Che	oose a previously entered comment or template:		
			•
ВК	eep Locks	Paste sele	ected names
	Resource	Content	Properties
	i JavaRPNCalculator/src	New	
	X JavaRPNCalculator/.classpath	New	
	X JavaRPNCalculator/.project	New	
	🔝 JavaRPNCalculator/src/javaRPNCalculator.java	New	
	JavaRPNCalculator/src/Operator.java	New	
E	********************	*******	
Se	elect All Clear Selection	5	Selected: 5 of 5
?		ОК	Cancel

In the package explorer, you should see that the URL has changed. Now you can edit and commit as you go, and your final commit will be your submission

