

Project 0: Hello World

CMSC131 (Emad and Teli)

Due: Wednesday 09/05, 11:00 PM



1 Objective

This project will ensure that you have installed the course tools correctly, that you can “check out” a project, work on the project, and then submit the project. You will also learn how to see the results of your submission on our “submit server”.

2 Implementation

To work on a class project, the first thing you must do is to “check out” the project from your CVS repository. This was demonstrated in class, and is also described in the [Eclipse Tutorial](#). The basic steps are:

1. Start Eclipse and go into the CVS perspective. Create a CVS connection to your account. Here is a screenshot of the “CVS Connection Dialog Box” with the correct entries for this semester. Note that in each place it says “*****” you should replace the ***** with your login ID.

The screenshot shows the 'Add CVS Repository' dialog box. It has a title bar with standard window controls. Below the title bar, it says 'Add a new CVS Repository' and 'Add a new CVS Repository to the CVS Repositories view'. There is a CVS logo in the top right corner. The dialog is divided into several sections: 'Location' with 'Host' (grace.umd.edu) and 'Repository path' (/afs/glue/class/fall2018/cmssc/131/0501/student/****); 'Authentication' with 'User' (****) and 'Password' (****); and 'Connection' with 'Connection type' (extssh) and 'Use default port' (selected). There are also checkboxes for 'Validate connection on finish' (checked) and 'Save password' (unchecked). At the bottom, there are 'Cancel' and 'Finish' buttons. Red annotations with arrows point to the 'User' field (labeled 'University Username'), the 'extssh' option in the 'Connection type' dropdown (labeled 'Be sure to choose this option from the drop down list'), and the 'Validate connection on finish' checkbox (labeled 'Check this box if you're working on your private machine').

2. Open the connection by clicking on the little triangle next to it, then click the triangle next to the entry that says “Head” - this should reveal the files that are currently on your CVS repository.
3. Right-click the project called “131Fall18Proj0” and choose “check out”.
4. Go back to the Java perspective.

Once you are back in the Java perspective, you should see the project folder on the left, and you should be able to begin working on the project:

1. Open the Project by clicking the triangle next to it. Click the triangle next to the “default package” folder. Now open the file called “HelloWorld.java” by double-clicking it. This should open up the source-code in the editor on the right portion of the screen.
2. Edit the file so that it will work correctly. (It should print “Hello World!” instead of what you see inside the quotes!) Don’t forget to save your work.

If you write the project from scratch, without checking out the “131Fall18Proj0” files from your CVS repository, you will not be able to submit your work.

3 Submission

Submit your project from Eclipse (within Java perspective) by right-clicking the project folder and selecting “submit” . **If you do not see the submit option, then you are missing our plugins, which means that you did not install Eclipse according to the instructions in the [Eclipse Tutorial](#).** You may submit as many times as you want – we will always grade the submission that we receive last. After you have submitted your project, you should visit the [submit server](#). There you can obtain limited feedback about how well your project is performing. The number of times you can run our tests on your project (before the due date) is limited. **The earlier you begin working on the project, the more opportunities you will have to see how your project performs on our tests before the due date!**

4 Grading

There is just one release test that will be run on your project. If you pass this test, you will receive a grade of 100% on the project (and if you don’t pass this test, your grade will be 0.)