**HOW TO GUIDE (CS135 COURSE ACCOUNT)**

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**HOW TO GUIDE (CS135 COURSE ACCOUNT)**

**WHAT IS THE COURSE ACCOUNT?**

The course account is a directory in which all course related material can be found and stored. This includes assignments, tutorials, handouts, and slides for the current term as well as an archive of these materials from previous terms. The course account also includes a folder that contains the contents of the course webpage, which can be edited. Public testing and auto-marking files can also be found in the course account. Student assignment submissions also appear here.

 **HOW CAN I CONNECT TO THE COURSE ACCOUNT?**

Using Finder on your Mac desktop:

Click **Go** > **Connect to Server**

* Server Address: smb://smb\_shares.student.cs.uwaterloo.ca/cs135
* +
* Connect

This will bring you to the course account and you can easily view the folders and their contents.

You can also connect to the course account from the **Terminal** application on your computer.

Open the Terminal application

Type the following command: ssh cs135@linux.student.cs

You will be asked to enter the password you created when you set up ssh tunneling using the instructions found in the Twiki at the start of the term. SSH tunneling is just the process of connecting to the course account using the Terminal.

Type your password and hit Enter.

You are now connected and may access the folders in the course account

**HOW DO I NAVIGATE THROUGH THE COURSE ACCOUNT USING THE TERMINAL?**

Once you are connect to the course account in the terminal, you may use the following commands to view and access folders:

The command **ls –l** will list all of the folders and/or files within the current folder that you are in.

The command **cd** followed by a folder name (as seen in the course account through Finder) will take you into that folder.

The command **cd ..** will take you out of the current folder and back to the previous folder

Note, for example, if there is a folder called assns within a folder called svn in the course account, you may call it by using the command **cd svn/assns** to access the assns folder. If you would like to navigate back to the svn folder you may simply call **cd ..** and if you would like to navigate two folders back to the main course account you may use the command **cd ../..** and so on.

**HOW DO I CREATE AN ANNOUNCEMENT ON THE COURSE WEBPAGE?**

* Connect to the **course account** using **Finder**
* Click the folder called **public\_html** (This is where you will find contents of the course webpage)
* Click on the file called **announcement.txt**
* Edit the text with the title of your announcement and the announcement itself
* Hit Save
* Connect to the **course account** using the **Terminal**
* Navigate to the folder public\_html with the following command:
**cd public\_html**
* Use the command: **announce announcement.txt**

You have now created an announcement on the course webpage as well as the Thunderbird newsgroup.

**WHAT IS THE SVN FOLDER?**

The svn folder is where you will find the assignments, handouts, tutorials, and slides for the course. The professor will place his or her drafts of the assignments here.

**HOW DO I ACCESS AN ASSIGNMENT IN SVN?**

* Connect to the **course account** using the **Terminal**
* Navigate to the specific assignment folder in svn
For example: cd svn/assns/a01
* Enter the command: **svn update**
This will update the folder with any content the instructor has placed here
* If the folder has updated to a new revision of an assignment, you will see something like:

a01.tex
Updated to revision 1126
* Enter the command:
**make**

this command will create a pdf file of the updated version and replace the old one in the specific assignment folder within svn.

Now, to access an assignment in the svn folder, you can simply connect to the course account using Finder and go to the svn > assns folder for the current term

**HOW DO I POST AN ASSIGNMENT FOR STUDENTS ONLINE?**

Once you have worked through the assignment to be posted and the professor has confirmed a final draft, you may simply copy the pdf file of the assignment from the svn folder and paste it in the specific assignment folder. For example:

public\_html > assns > a01

To post this assignment on the course webpage for students to download, open the file called **assignments.shtml** in the public\_html folder using a text editor.

This is the file that corresponds to the assignments page on the course website.

In this file, find the assignment that you wish to post. Edit the due date and any other necessary information.

The code <!-- and --> are use to comment out text so that it does not appear on the webpage. If you see the code <!-- before the assignment that you wish to post, move it down below the text for that assignment so that the information for the assignment(s) you wish to post will appear on the webpage, and those that still need to remain hidden are not shown.

Save this file and close it.

Now, connect to the course account using the Terminal.

Navigate through the course account to the assignment that you placed in the public\_html folder using the command, for example,

**cd public\_html/assns**/a01

Enter the command: **chmod o+r** a01.pdf

This will give students read permission for the a01 pdf file

Return to the public\_html folder using the command **cd ../..**

Similarly, enter the command **chmod o+r** **assignments.shtml**

This will allow students to view the modified assignments page.

You have now successfully posted an assignment online for students.

**HOW DO I MODIFY A PAGE ON THE COURSE WEBSITE?**

You can modify any page on the course website by opening the corresponding file in the public\_html folder in the course account and editing its contents. Once you have made changes and saved the file, make sure that you connect to the course account using the terminal. Navigate to the public\_html folder and use the **chmod o+r** command for the modified page link to work correctly and show up.

The files that you will be editing most include:

calendar.shtml

exam.shtml

personnel.shtml

TutorOfficeHours.shtml

assignments.shtml

tutorial.shtml

These can all be found in the public\_html folder.

**HOW DO I POST ASSIGNMENT SOLUTIONS?**

First you must obtain the instructors’ assignment solutions from the svn folder in the course account.

To do this, once again,

* Connect to the **course account** using the **Terminal**
* Navigate to the specific assignment folder in svn
For example: cd svn/assns/a01
* Enter the command: **svn update**
This will update the folder with any content the instructor has placed here including DrRacket files for assignment solutions.
* If the folder has updated with assignment solutions, you will see something like:

cards.rkt
Updated to revision 1127

You may now connect to the course account using Finder and go to the specific assignment folder which now has the instructor’s solutions.

For example: svn > assns > a01

Open a new DrRacket file. In here, you will put together the assignment solutions. If the instructor has placed the solutions for each question in a different file, combine the solutions into this new file and give it the title ASSIGNMENT 1 SOLUTIONS (for example) and include the term and instructor’s name(s).

Once you have put together the assignment solutions file, save it as a pdf file on your desktop with the name a01sol.pdf (as an example for assignment 1).

Now, in the course account using Finder, go to the folder called **protectPDF**. Create a folder (if there isn’t already one for you) called a01sol. You may now copy the pdf file on your desktop and paste it into the folder you have just created.

(Note: You will be doing this for each assignment).

In the course account, using Finder, you may now go to the folder public\_html > protect and open the file called requestAssgnSolnCommon.php using a text editor.

Towards the bottom of the file, you will see a list of assignment solution file names. Remove the “//” before the one that you wish to post. For example, you will see the following: // ‘a01sol’ => ‘Assignment 01 Solutions’,

Once you have removed the double forward slash, save the file and close.

In the terminal, be sure to use the **chmod o+r** command in the respective folders on both files below:

* a01sol.pdf in the protectPDF > a01sol folder
* requestAssgnSolnCommon.php in the public\_html > protect folder

You should now be able to see the assignment solutions on the Solution Request page on the course website.