

## ITMD461 Lab 4 – Index Page in Server Directory

### Objective:

It is important to understand the concept of an index or default page in a web server directory. Our class server, like most standard Apache servers, is setup to serve index.html pages as the default page when one is not specified. In this lab you will accomplish two things. First you will make sure you can SFTP a file to our class webserver. Second you will see how the server responds before and after you upload the page. Remember the class server is Linux so it is case sensitive.

### Class Server:

SFTP address: `libertyville.rice.iit.edu`

You should have received an email with your username and password.

Review the lecture if you have any questions on how to use the information.

Your directory will be visible in your browser at:

<http://libertyville.rice.iit.edu/username>

### Process:

1. Using your text editor, create a new plain text file and save it as “index.html”. If your editor asks for encoding you want “UTF-8”. Remember the server is case sensitive so it has to be exact.
2. Start by adding the proper HTML5 Skeleton Structure to the document as we discussed in class and also discussed on page 54 in the book.
3. Page title should be “ITMD-461 Internet Technologies and Web Design”. Use this in both the head section title tag and for the heading 1 tag in the page content.
4. Add some additional content to your page in appropriate HTML tags. At a minimum you should add the semester and your name. This page is going to be the default home page for your server directory. At some point you will need to link to other assignments on the server on this page. You will be adding to this page in future labs and also adding CSS in the future.
5. Now, before you upload your file anywhere, take a moment to visit your directory <http://libertyville.rice.iit.edu/username> on the class server. Take notice of what you see; you will need to write a comment about it.
6. Next, connect to the class server with an SFTP program as demonstrated in class. Upload your index.html file to your directory on the server.
7. Finally, visit your server directory again and you should see the page you just uploaded without visiting the full URL. Visit <http://libertyville.rice.iit.edu/username> not <http://libertyville.rice.iit.edu/username/index.html>
8. Pay attention to how the sever behaves differently than in step 5.
9. Upload your finished index.html page to the assignment in blackboard and in the comments section of blackboard write a short paragraph so I know you understand what an index.html page would be used for. You need to also put a link to your server directory in the blackboard assignment comment so we can just click it to view your directory in our browser.

This lab will be graded based on how well you follow the directions, how your HTML syntax looks, and if your index.html page appears on the server like it is supposed to. Syntax errors, missing requirements, and deviations from the directions will result in deducted points.

**You must upload your index.html file to your server directory and upload it to blackboard. Failure to do both will result in a low grade or not be graded at all. You must also write a few sentences in the blackboard assignment comment so I know you understand what an index.html page is for. Please also put a link to your server directory in the blackboard comments so we can click it to view your directory.**

Due date is posted in the blackboard assignment.