

## Homework 2: Course Homework Page

Students need to establish a directory / folder in which they can store web pages for the following:

1. A table of hyperlinks to homework assignments (this homework assignment #2)
2. A storage area for hold web resources for homework assignments #3 and #4.

Starting with the Fall 2019 semester, USC servers (www-scf.usc.edu, cs-server.usc.edu and aludra.usc.edu) have been retired and are no longer available.

The CSCI571 instructor has selected FREE WEB HOSTING AREA . COM (freewebhostingarea.com) to hold the resources required for the above homework assignments, and the table of hyperlinks to all homework assignments.

### Create Account on FreeWebHostingArea.com

To create your personal free account, go to the following URL:

<http://freewebhostingarea.com>

In the section **Free SubDomain Hosting**, enter your USC username, and select **freevar.com** from the **Select Free Subdomain** dropdown. Click **PROCEED** as shown in Figure 1.

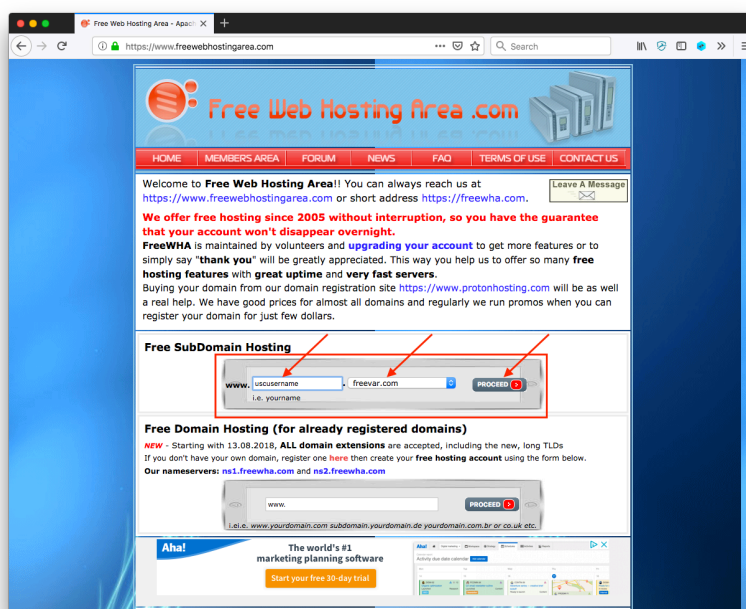


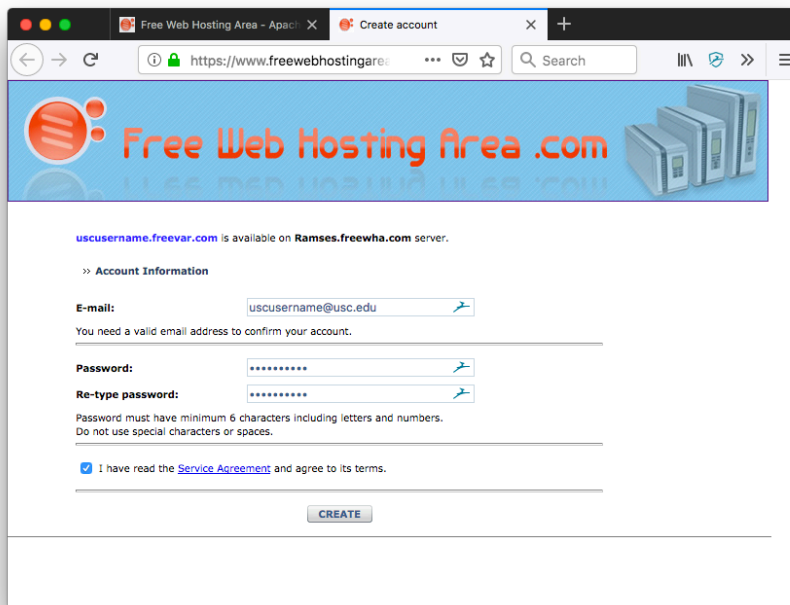
Figure 1. Create Free Subdomain Hosting

If your selected username is “uscusername”, the following subdomains will be created:

www.uscusername.freevar.com and uscusername.freevar.com

We suggest you use your actual USC username, if available. Otherwise add a number at the end of the USC username, until you find an available subdomain. Once you are told that the

selected subdomain is available, you will be taken to a web page where you can add your **Account Information**: e-mail and password. Enter your USC e-mail and select a strong password. Click the checkbox agreeing to the terms of the **Service Agreement** and click on **CREATE** as shown in Figure 2.



Free Web Hosting Area .com

uscusername.freevar.com is available on Ramses.freewha.com server.

>> Account Information

E-mail:

You need a valid email address to confirm your account.

Password:

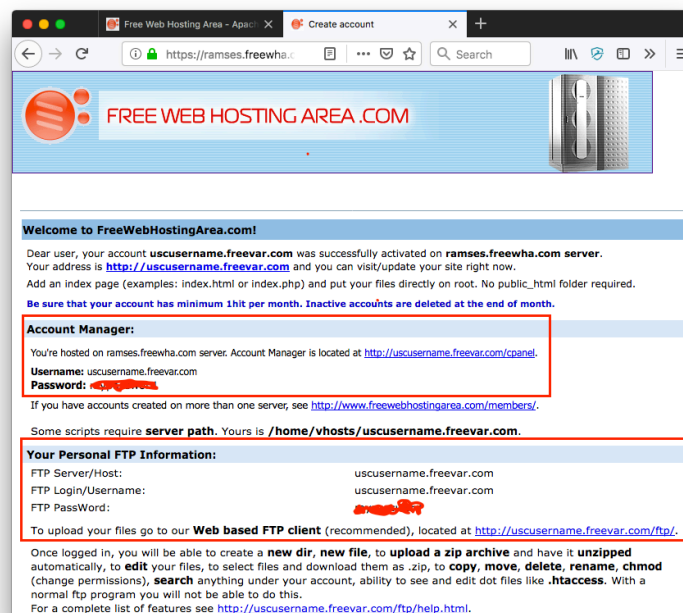
Re-type password:

Password must have minimum 6 characters including letters and numbers.  
Do not use special characters or spaces.

☒ I have read the [Service Agreement](#) and agree to its terms.

Figure 2. Enter Account Information

You will be presented with the **Welcome to FreeWebHostingArea.com!** web page. Notice the following two sections on the page: **Account Manager** and **Your Personal FTP Information**, as shown in Figure 3.



FREE WEB HOSTING AREA .COM

**Welcome to FreeWebHostingArea.com!**

Dear user, your account **uscusername.freevar.com** was successfully activated on **ramses.freewha.com** server.  
Your address is <http://uscusername.freevar.com> and you can visit/update your site right now.  
Add an index page (examples: index.html or index.php) and put your files directly on root. No public\_html folder required.  
**Be sure that your account has minimum 1hit per month. Inactive accounts are deleted at the end of month.**

**Account Manager:**

You're hosted on ramses.freewha.com server. Account Manager is located at <http://uscusername.freevar.com/cpanel>.  
**Username:** uscusername.freevar.com  
**Password:** **\*\*\*\*\***

If you have accounts created on more than one server, see <http://www.freewebhostingarea.com/members/>.

Some scripts require **server path**. Yours is **/home/vhosts/uscusername.freevar.com**.

**Your Personal FTP Information:**

FTP Server/Host:	uscusername.freevar.com
FTP Login/Username:	uscusername.freevar.com
FTP PassWord:	<b>*****</b>

To upload your files go to our **Web based FTP client** (recommended), located at <http://uscusername.freevar.com/ftp/>.

Once logged in, you will be able to create a **new dir**, **new file**, to **upload a zip archive** and have it **unzipped** automatically, to **edit** your files, to select files and download them as .zip, to **copy**, **move**, **delete**, **rename**, **chmod** (change permissions), **search** anything under your account, ability to see and edit dot files like **.htaccess**. With a normal ftp program you will not be able to do this.  
For a complete list of features see <http://uscusername.freevar.com/ftp/help.html>.

Figure 3. Welcome page

## Account Manager

The Account Manager section in the Welcome page shows 3 items:

Location of Account Manager, such as <http://uscusername.freevar.com/cpanel>

Your selected username and password.

Enter the URL of the location of the Account Manager or click on the corresponding hyperlink. The Account Manager login page is displayed.

Notice that several different servers may be displayed in the browser address box, such as:

ramses.freewha.com  
newserv.freewha.com

Enter your assigned **Username** and **Password**, and click **Log In**, as shown in Figure 4.

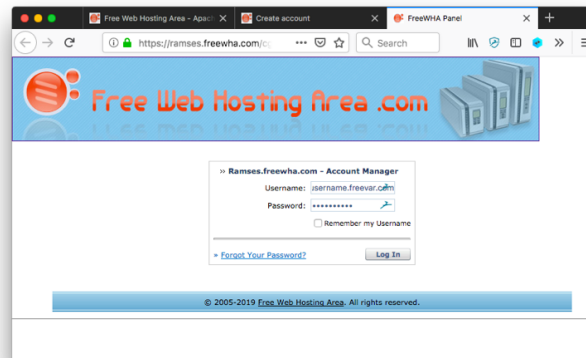


Figure 4. Account Manager Log In page

You will be taken next to the **Member Area**. Notice that you have 1.5GB of free Web Space and 1000TB of Monthly Traffic on the **FREE HOSTING plan**. You can use this plan forever. Notice that the Account and FTP information is shown on the right of the page, as shown in Figure 5.



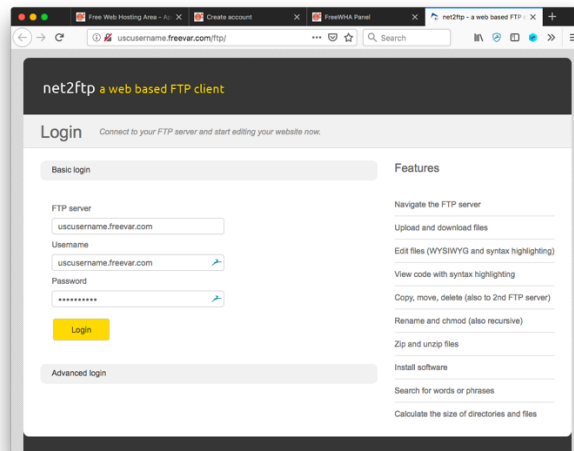
Figure 5. Member Area

## Web based FTP client

To upload your files for Homework #2, #3 and #4, and maintain the table of hyperlinks of homework assignments, you can use the **web-based FTP client** provided by freewebsitehosting.com, **net2ftp**. Log into the web-based FTP client by entering the URL shown in the Welcome page or the Member areas, as in:

<http://uscusername.freevar.com/ftp/>

The net2ftp Login page is displayed, as shown in Figure 6. Enter the **FTP server (host)**, **Username** and **Password**. Click **Login**.



**Figure 6.** net2ftp Login

Upon successful login you will be shown the content of your home folder. Notice that there is no index.html file listed. There is a file named README.html. You can view the README file by entering the corresponding URL in the browser, as in:

<http://uscusername.freevar.com/README.html>

Figure 7 shows the content of the README page. The page is long, and lists your Account Manager, FTP Information and additional information not needed for this course.

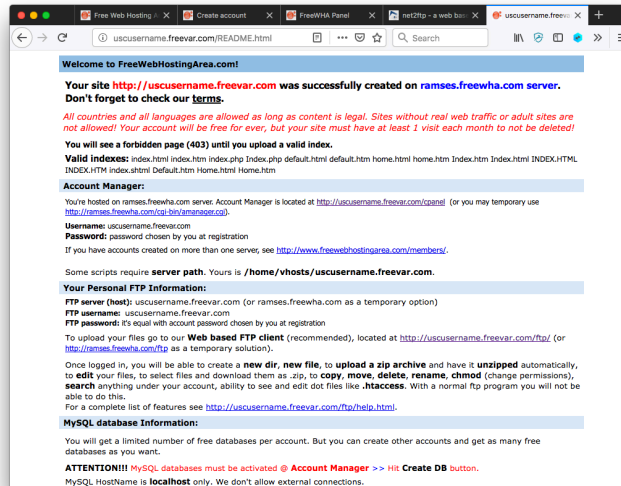


Figure 7. README page

## Upload Table of Exercises

The next step is to upload the table of exercises. We are providing you with a sample table at:

<http://csci571.com/hw/hw2/ScrambleThisTable.html>

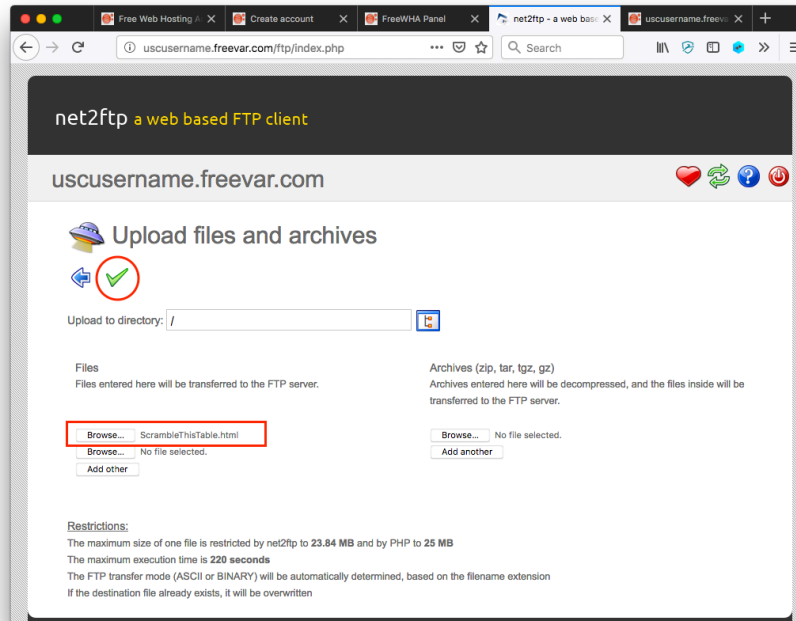
Download this page to your local machine. You **MUST change the file name** to the name you selected during the **Class Sign Up**. The table is shown in Figure 8 below.

<a href="#">Link to Homework #1</a>	<a href="#">Link to Homework #2</a>
<a href="#">Link to Homework #3</a>	<a href="#">Link to Homework #4</a>
<a href="#">Link to Homework #5</a>	<a href="#">Link to Homework #6</a>
<a href="#">Link to Homework #7</a>	<a href="#">Link to Homework #8</a>
<a href="#">Link to Homework #9</a>	<a href="#">Link to Homework #10</a>

Figure 8. Table of exercises

Notice that the hyperlinks to the various exercises point to non-existent files and URLs. You will have to replace them with the actual web page names and URLs of your exercises.

Let's upload this page to the web site. In the **net2ftp** FTP client page click on the **Upload** button. The **Upload files and archives** page is displayed. Click on the **Browse...** button and select the **ScrambleThisTable.html** file (after having it renamed) as shown in Figure 9.



**Figure 9.** Upload table of exercises

The page is updated with the upload / FTP transfer information. Ensure that you get a message such as:

FileScrambleThisTable.html is OK. And File has been transferred ..., as shown in Figure 10.



**Figure 10.** Successful FTP upload

Click on the “blue arrow” next to the “green checkmark”. You will be taken back to the home folder. You should see the uploaded file name listed in the table, as shown in Figure 11.

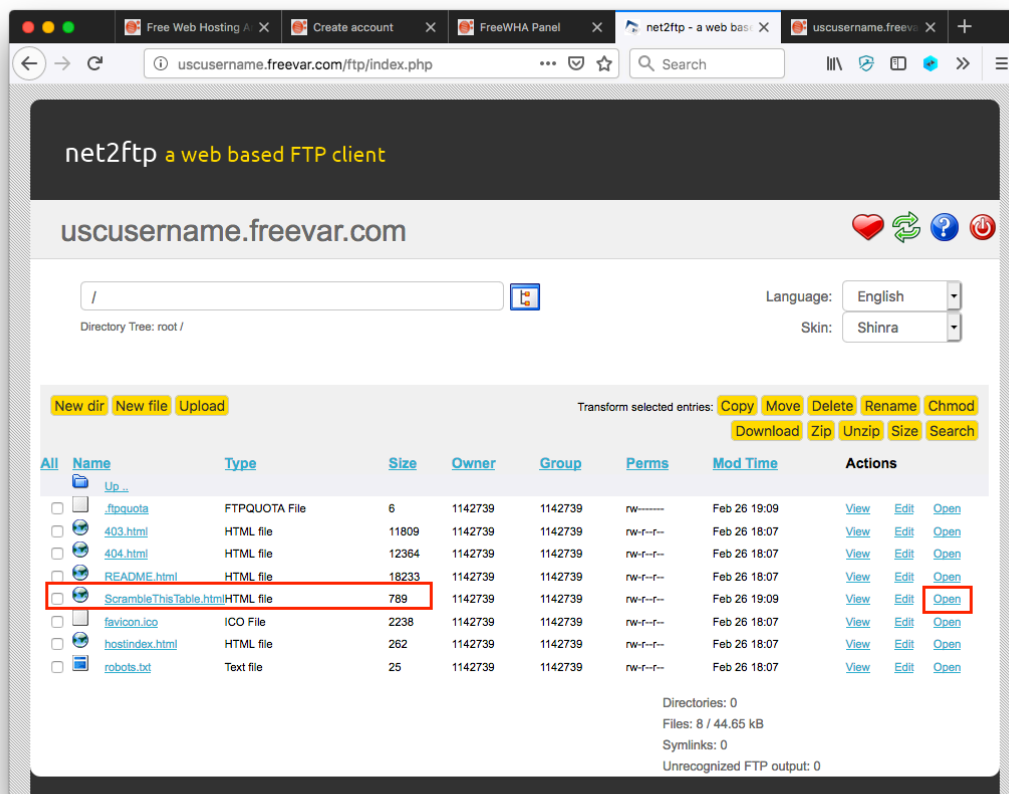


Figure 11. Uploaded table of exercises

To verify that the uploaded file worked, click on the **Open** button on right side of the table, as shown in Figure 11.

## Completing homework

As you complete each homework assignment, you should add the URL of the homework to the appropriate location in the table listed as “**Link to Homework #**” (see Figure 8). In this way the TA/grader can easily locate your homework assignments. If you have named your course table of homework assignments page VWXYZ.html, the grader will use the following page to access all of your homework assignments by typing the URL:

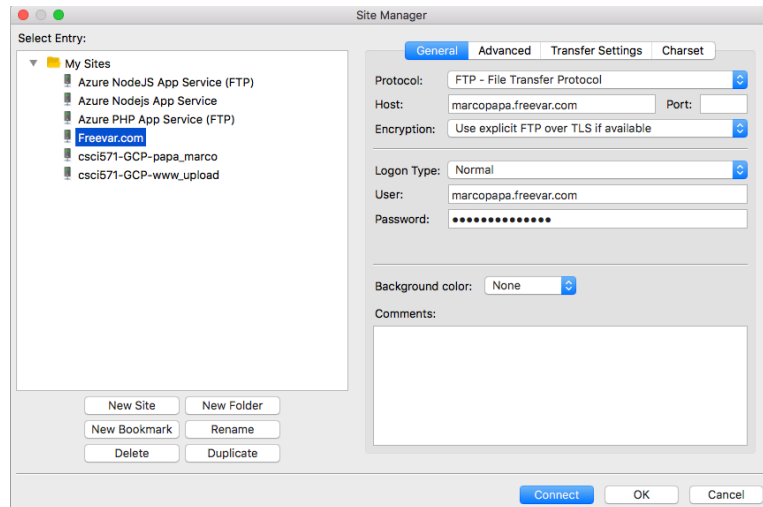
<http://uscusername.freevar.com/VWXYZ.html>

## Using Filezilla with FreeWebHostingArea.com

As an alternative to use the web-based FTP client net2ftp, you can set up Filezilla for all your file uploads and maintain the table of exercises. To set up Filezilla, perform the following steps.

Start Filezilla. You can use any version of Filezilla, such as for Windows, MacOS or Linux.

Click on the **Open the Site Manager** icon on the top left of the tool bar. The **Site Manager** window pops up (see Figure 12).



**Figure 12.** Filezilla Site Manager

Click on the **New Site** button. Under the **General** tab, enter the following values:

**Protocol:** FTP

**Host:** uscusername.freevar.com (replace uscusername as set up in Account Manager)

**Port:** leave blank

**Encryption:** Use explicit FTP over TLS if available

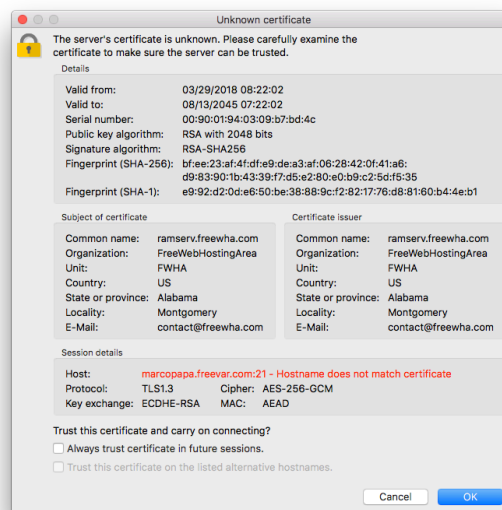
**Logon Type:** Normal

**User:** uscusername.freevar.com

**Password:** your password as set up in Account Manager

Click on the **Advanced** tab. Under **Default Local Directory** browse to the location of your local files. Click the **Connect** button.

You will be asked to trust an **Unknown certificate**. Click the checkbox **Always trust certificate in future sessions**, as shown in Figure 13.



**Figure 13.** Trust Certificate



Click **OK**. In the **Remote site** “Filename” section, you should now see your files on freevar.com, as shown in Figure 14.

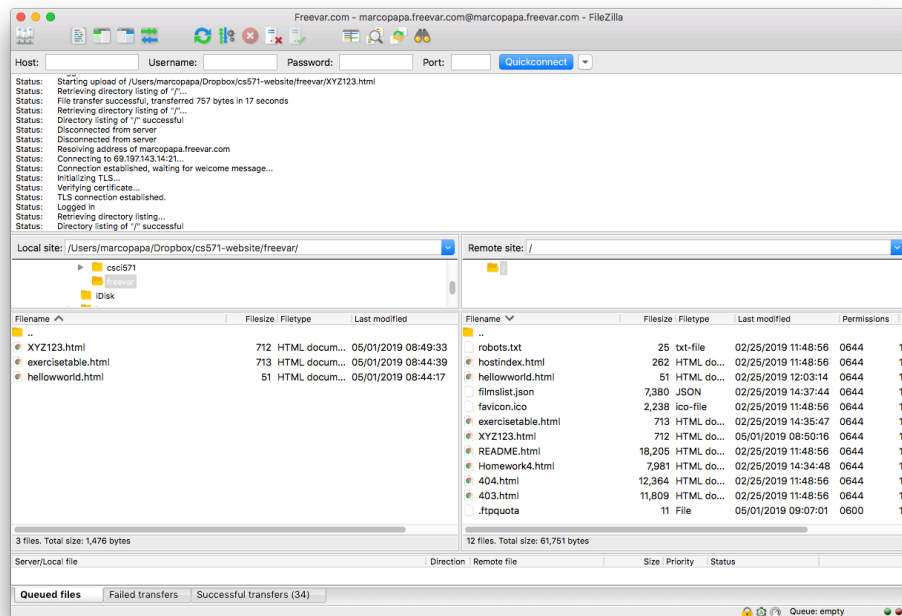


Figure 14. Filezilla UI

You can now move your files by dragging them from **Local site** to **Remote site**.

**IMPORTANT NOTE:** Your free account will never expire so long as your site has at least one visit each month. If your site gets deleted because you failed to access it at least once every month, you will have to create a new account.

**NOTE: THIS ASSIGNMENT IS UNGRADED BUT REQUIRED**