***Friday, 10th October 2014 01:35 pm***  
  
Today I visited the w3schools website (http://www.w3schools.com/) using the Firefox web browser on my computer. I visited the website in order to gain a better understanding of how to program in the following languages: HTML/HTML5, PHP, JavaScript and CSS/CSS3. As well as looking at the resources provided by w3schools which looked interesting and challenging; I also attempted the programming quizzes provided by w3schools in which I scored:   
  
CSS quiz result   
https://drive.google.com/file/d/0B-Ac-zcuLqf7cURsOEZMNTNjWE0/view?usp=sharing   
JavaScript quiz result   
https://drive.google.com/file/d/0B-Ac-zcuLqf7LU5xd2swSVFyU3M/view?usp=sharing   
HTML quiz result   
https://drive.google.com/file/d/0B-Ac-zcuLqf7Yzc5V1U2bUtXWms/view?usp=sharing   
HTML5 quiz result   
https://drive.google.com/file/d/0B-Ac-zcuLqf7SHMzNHlxcXROMFk/view?usp=sharing   
I also did the w3schools PHP test in which I achieved 14 out of a possible 20.   
  
Learning these languages will help me to gain the necessary skills in order to complete the coursework.   
  
  
***Friday, 17th October 2014 09:34 pm***  
  
This week I continued to enhance my knowledge in coding in HTML using the tutorials on http://www.w3schools.com/ however I didn’t find w3schools very practical so I choose to use the code academy site (www.codeacademy.com) in which I linked it to my Google+ account which allows me to continue from where I left off when I next sign in. I completed the HTML/HTML5, CSS, JavaScript and PHP tutorials provided by code academy. Code academy provides a more interactive interface than w3schools due to the fact it updates as soon as I type the code if it is incorrect I am informed by the fact nothing is displayed in the editor window on the right. I continued to refresh my memory on the basics of coding in HTML as I coded in HTML during the first year of university and a small amount during my time in college however I also started to learn some of the intermediate and advanced features.  
  
***Sunday, 26th October 2014 10:22 pm***  
  
This week I began to consider the features I would include on my cloud server. I also considered how my cloud server would look and how I would implement the design as well as what features are required to implement for example forms for the login and sign up pages as well as validation to check the username/password when logging in is correct and also to check if the password is secure enough during sign up and to check if the username is available and also to check if the email is entered in the correct format. I also considered how I would implement full encryption on the cloud server and encryption on the files. The basic interface will consist of uploading files, deleting files, renaming files, downloading files and creating and deleting of directories in which I have also been looking to implement. As well as doing this I also completed the tutorials on html/css from the code academy website as well as watching the videos from the cmt3313 website.  
  
***Wednesday, 29th October 2014 12:22 am***  
  
These are my answers to the in class test I took yesterday   
  
https://drive.google.com/file/d/0B-Ac-zcuLqf7UkwwRmMzQWc1Mjg/view?usp=sharing   
  
https://drive.google.com/file/d/0B-Ac-zcuLqf7aURQeHJxYTFRS2M/view?usp=sharing   
  
  
***Monday, 03rd November 2014 01:53 pm***  
  
***Lecturer comments:***  
*A good amount but where is your work on building the front end?*  
***Saturday, 08th November 2014 06:59 pm***  
  
My work on the front end of my cloud server can be viewed and downloaded from the link below:   
  
https://onedrive.live.com/redir?resid=47993F840705293E!4435&authkey=!AD6PVVp1Sp39INo&ithint=file%2czip   
  
I used bootstrap to help me with the layout, I created pages for the homepage, about us, contact us,log out, forgotten password , as well as a settings page which allows the user to change their password or other personal information such as a change of name. I also designed the user interface for the cloud storage system which is where the files on the server will appear. the login button on the homepage will for now take you to the clouds user interface until I set up the security of the username and password at a later date.   
  
  
***Saturday, 15th November 2014 11:58 pm***  
  
My answers to this week quiz can be seen in the link below.   
https://drive.google.com/file/d/0B-Ac-zcuLqf7Y1luQllSUnF5ZDA/view?usp=sharing  
  
***Saturday, 15th November 2014 11:58 pm***  
  
\*weeks   
  
***Sunday, 16th November 2014 12:05 am***  
  
my cloud system can be seen by viewing the link below   
http://flydrive.webatu.com/   
I used the hosting website www.000webhost.com to host my cloud system.  
  
***Sunday, 23rd November 2014 03:51 pm***  
  
This week I started to learn PHP using the code academy tutorials. I also began to consider how I can implement PHP in my site (for example sessions, to personalise the service depending on who logs in and perhaps form validation. )  
  
***Monday, 01st December 2014 07:36 pm***  
  
This week I started to write up my PHP code such as the cookies, sessions, to personalize the login and services as well as form validation. I will also learn some MySQL to use it for storing database data such as registered usernames and passwords.  
  
***Friday, 05th December 2014 12:34 am***  
  
I downloaded Xampp v5.63 from https://www.apachefriends.org/index.html and then installed Xampp by following the on screen instructions during the installation. After the program installed I ran the Xampp Control panel and started the Apache and MySQL services from the control panel. I then created a database in mySQL called flydrive which is my main database and then created a table named users as displayed here https://drive.google.com/file/d/0B-Ac-zcuLqf7OVotOEZOalQ1dXc/view?usp=sharing. The table consists of 6 elements which are First\_Name, Last\_Name,Gender,Username,Confirm\_Email, Confirm\_Password which are all of type varchar which allows text(String) and numbers. I also set a limit on the text that can be entered to help me to use validation. After creating the table I set up my register php file and my login php file to allow users to create an account and then login with those details. I did this by sending the information to my users table on mySQL.   
  
***Thursday, 11th December 2014 05:10 pm***  
  
I completed the uploading files part of my system in which I add a folder for each user when they register and then start sessions so the system knows who is logged in and which folder to add the files to. I then sent the reference of the file name, file type,file size, and username to the mySQL table files. the purpose of having a column for username is to state who owns the file. I used INSERT INTO to achieve this. I have uploaded my upload file to paste bin on the following link http://pastebin.com/ifksVHdY   
  
***Sunday, 14th December 2014 11:59 pm***  
  
I linked the mySQL table files to my table in the User Interface.html file to show the user the files they have uploaded. I have also made a start on encrypting the password when the user creates an account and to check if the encrypted password matches the password entered by the user in the login form if it does it will let the user login to the User Interface section if not it will not login the user.   
  
***Tuesday, 16th December 2014 01:24 pm***  
  
I started creating folders in which I ask the user to name the folder and then create a folder in the users folder directory using mkdir(). the mkdir requires 2 values, The first value is the location where I want to create the folder e.g. in the uploads directory inside the current users folder and the 2nd value is to specify the permissions of the folder i.e. who can read and write or who can just read the contents of the folder.   
Read(4) Write(2) Execute(1) so all permissions (read, write and execute) would be 7 (4+2+1) read and write would be 6 (4+2), just execute would be 1. just write would be 2. just read would be 4.   
  
  
***Tuesday, 16th December 2014 01:25 pm***  
  
mkdir means make directory   
  
***Wednesday, 17th December 2014 10:48 pm***  
  
I have completed the delete function which deletes files from the table by deleting the file from the directory and then from the mySQL files database. I have added a checkbox to each file that is uploaded so the user can delete a file or files. I also added a select all checkboxes in order to allow deletion of multiple files.  
  
***Friday, 19th December 2014 02:15 am***  
  
I added the folders to the mySQL database by calling the mySQL table files and then using the INSERT INTO files like so http://pastebin.com/AQGARENB. I also had to include configfile.php so that it can connect to mySQL database and in order to make changes to the database.   
  
***Friday, 19th December 2014 05:11 pm***  
  
I had an issue with figuring out how to get the delete button to delete the file. I first had to get the value of the checkboxes which are added to each file when they are uploaded in order to determine which files need to be deleted. Another issue I faced was being able to delete files which have whitespaces i.e.(spaces) I solved this issue by adding '"' start of to the name variable and I also added '"' at the end so it accepts whitespaces.   
  
***Friday, 19th December 2014 05:39 pm***  
  
I completed the download function of my cloud system. It works in a similar way as the delete function as it gets the value of the checkbox to determine which file to download. I had an issue with posting the file to the deletedownloadfiles.php file as I was attempting to use javascript to complete this however I then decided to use php to complete this and was then able to solve the issue. I also then had an issue with whitespace so I then used '"' at the end of $target\_file to solve this issue. Another issue i had was when i was downloading the files they where not opening correctly this was due to php not finding the file in the directory i specified. I then realized that I was using the wrong variable which was $file as this was just giving the name of the file and not the actual location(directory) of the file so I then created a new variable called $target\_file to specify the full directory and then replaced $file with $target\_file to which this solved the problem.   
  
***Friday, 19th December 2014 07:16 pm***  
  
I attempted the rename file function however was unable to get this function working however the theory behind it is to get the old name and then ask the user to set a new name. For example in php this can be done like so rename($oldName,$newName); . I would then need to make changes to mySQL database table files to do this I would use the UPDATE keyword. An example for doing this is   
http://pastebin.com/k5UuGQuE