Mikel Butterfield

Understanding portfolio

**Coding Topics**

**Hibernate**

This week I did research on Hibernate and I feel like I got a better understanding of mapping, the importance of the xml files, and HQL. I did most of my research on tutorialspoint because they have a way of explaining it that I can understand.

I do a sharing video on it here: It starts at 0:00

<http://youtu.be/2LMHXCC-1Zw>

My code from the video is here:

This is the parent folder for the code:

<https://github.com/Butterfield-Mikel/cit360portfolio/tree/master/week10app>

The Java and XML files are here:

https://github.com/Butterfield-Mikel/cit360portfolio/tree/master/week10app/src/week10app

And my PowerPoint slides are here:

<https://drive.google.com/file/d/0B3QVMKe5PQL6WFhWVWM1MUJhQ2M/view?usp=sharing>

**Client and Server Sockets**

This week I did some research on client and server sockets. The client-server relationship is a huge part of IT, and you can do some great stuff with it in Java. I recorded a video and added to my URL tool program. I made it so my program can connect my computer (the client) to a website (the server) using port 80.

This was added to my URL tool, so it uses almost all the coding topics.

My code for that is here:

Parent directory of application:

https://github.com/Butterfield-Mikel/cit360portfolio/tree/master/HTTPURLTool

The java class that uses sockets:

<https://github.com/Butterfield-Mikel/cit360portfolio/blob/master/HTTPURLTool/src/httpurltool/SocketIO.java>

The teaching video is here, and it starts at 4:18.

<https://www.youtube.com/watch?v=QCZESCd9aes>

The PowerPoint slides for my research are here:

https://drive.google.com/file/d/0B3QVMKe5PQL6Wk1kbUM4Tml4RFU/view?usp=sharing

**Application Controller Pattern.**

This week I did some research on the application controller pattern. It seems to me like this development pattern is similar to the front controller pattern, and I was able to find information about that. The good news is that I used the instructor’s post that had a link to a text book that taught the ACP.

I did a video on it here: it starts at 0:00

https://www.youtube.com/watch?v=QCZESCd9aes

And my example code is here:

<https://github.com/Butterfield-Mikel/cit360portfolio/blob/master/ACPexample>

The PowerPoint slides for my research are here:

https://drive.google.com/file/d/0B3QVMKe5PQL6Wk1kbUM4Tml4RFU/view?usp=sharing

**Java Collections**

This isn’t from this week, but my feedback from my last portfolio made me feel like I messed up when I explained what I did for this. I use one each of Map, List, Set, and Tree to add and remove strings from a list. Java collections is very useful for data storage, so I was able to store and remove strings in this class.

Note to the instructor: I already had this in my last portfolio, and nothing has been changed. I just wanted to make sure you saw this because the feedback that I received made me feel like I didn’t do a good job showing you this. If you did see it, it is still the same.

The code for it is here:

https://github.com/Butterfield-Mikel/cit360portfolio/blob/master/HTTPURLTool/src/httpurltool/Collection.java