Understanding Portfolio

Java Collections

I did some work with Java collections. I read up on all of the different types of collections and wrote up some code examples of an ArrayList, HashMap, and a TreeSet. These can be found at:

<https://github.com/Hope-Jordan/CIT360/tree/master/src/Collections>

there are three files there, one for each.

I also taught on the subject in a team meeting <https://plus.google.com/u/0/114178018165564065704/posts/EQgbcPxqigj>

I taught from 41:56 to 54:28.

I added an example of using Iterators for a LinkedList, HashSet, and HashMap. This can be found at:

<https://github.com/Hope-Jordan/CIT360/blob/master/src/Collections/CollectionIteratorSandbox.java>

JSON

I have also been working with JSON. I have only got some examples using Bro. Barney's JSON library stringify method. But what I have so far can be found at:

<https://github.com/Hope-Jordan/CIT360/blob/master/src/JSON/JSONSandbox.java>

MVC

This week I focused on Learning and understanding the MVC pattern. I think I have a good hold on what it is accomplishing and wrote an example of a portion of my app. There are other technologies that I want to integrate with it soon, but what I have so far can be found at:

<https://github.com/Hope-Jordan/CIT360/tree/master/src/MVC>

In this code, recipe.java has main and calls recipeControl’s method register. The control code then uses the view code to ask how many users the user wants to register (this will be taken out when the hibernate code and database are implemented, you can currently register multiple users to test the “database” in the model to see if the username selected already exists, since the set that is storing the usernames is empty at the start of when the app is run.) The control code then uses views getUsername and getPassword methods to create a new userBean. The control code then checks to HashSet in the model to see if that username has already been stored, and if it has prompts the user to try again, and if it the username is unique to what is stored in the HashSet it stores the username in the HashSet, confirms that the user registered successfully, and then uses the view code method displayUsernameAndPassword. register() will then calls the model’s method printSet to show what usernames are stored.

Some things I want to add, are handlers, a part of Application Controller Pattern, to have better control code, Hibernate, to use in my model to store and retrieve data from a database, and JSON to pass information between the model, control and view code.