Java collections

Collections are containers that group many different types together as a single unit

Provides architecture to store and manipulate a group of objects

Java collections various operations can be performed on the data like searching, sorting, insertion, manipulation, deletion, ect

Java collection framework provides many interfaces and classes

Map: HashMap, HashTable (SortedMap; treeMap)

Fundamental interfaces of collection:

List: ArrayList, LinkedList, Vector, (stack)

Queue: PriorityQueue, ArrayDeque

Set : HashSet, LinkedHashSet SortedSet:TreeSet

Notes from others:

[https://github.com/hord-brayden/CIT-360/blob/master/14 Topics/javaCollections.java](https://github.com/hord-brayden/CIT-360/blob/master/14%20Topics/javaCollections.java)

I really enjoyed the functionality of the ArrayList collection, and how it can mesh up, in this example, of the hashmap constructor! I made them use some Missionary based literal values, so we can see some modern applications for some of these collections. To go one step further, would be to integrate JSON and javascript to spin it out into a browser friendly model where a mission can use it to keep track of Books of Mormon and other examples!