ITDEV-140

Final Project

This Final Project will consist of two parts. Please be sure to complete and submit both.

Part 1 - Java Programming (150 Points)

Using your Java development environment, write a program (console is fine) that implements the following:

File Reading/Writing
Classes
Methods
Arrays and/or ArrayLists
Recursion

The purpose of the application is up to you, but please try to implement a coherent system such as a program to manage a service shop, restaurant, library, or some kind of game.

When you have completed your programming, produce a video walkthrough of your completed work. Walk me through your code and demonstrate the successful execution of your program. Upload your video to your repository of choice (YouTube, Vimeo, Google Drive, etc.). Be sure to share it with me: cribbm@matc.edu, then submit a link to the video in Blackboard.

Please note, videos should be succinct. Show me that the program works and highlight important areas of the code such as the implementation of classes, methods, and/or algorithms. You do not need to explain every line of code.

** (Extra credit -Up to 50pts- for implementing CRUD operations in a database)

Part 2 - Alexa Skill Development (100 Points)

Using the Amazon Alexa Skill Developer Console, implement an Alexa voice skill that includes the following:

Voice invocation
At least two languages (en-us and en-uk is fine)
At least one Intent
At least two Utterances
At least one Slot with validation and confirmation
At least one Session Attribute
At least one Persistent Attribute

When you have completed your programming, produce a video walkthrough of your completed work. Walk me through your interaction model and your back end code. Demonstrate the execution of your Voice Skill. Upload your video to your repository of choice (YouTube, Vimeo, Google Drive, etc.). Be sure to share it with me: cribbm@matc.edu, then submit a link to the video in Blackboard.