Array Management System

Due Jul 22 by 11:59pm **Points** 100 **Submitting** a text entry box or a file upload
Available Jul 8 at 12am - Jul 24 at 11:59pm 17 days

This assignment was locked Jul 24 at 11:59pm.

The requirement of this assignment is to design and implement a system in Java that will manage the sub classes created in the User Designed Object Assignment. The system should be able to add an instance to the array, remove an instance from the array, update an instance in the array, and list all instances in the array.

The System should read data for 3 to 5 sample instances from a text file, load the data into the appropriate object and add the object to the array. After loading the sample instances into the array, the system should display a menu similar to the one listed below. You menu does not have to exactly match this one

Add Instance to array

Remove instance from array

Update instance from array

List instances in array

Exit Program

There are some constraints to this assignment. You are not permitted to use any of the predefined collection objects in Java You cannot use the Array or ArrayList object to complete the assignment. Your goal is to create your own sub version of these predefined objects.

Submit the following files for this assignment

A Lab Report

A Class Diagram of the User Defined Objects Used

A zipped IntelliJ Project Folder containing the project.