Programming Assignment G2

Assignment Goal:

In this chapter, you were introduced to the graphics class. Often we have to produce reports.

Assignment Specifications:

You have been provided a list of my model airplane collection. You assignment is to design a report that lists each airplane. You do not have to be concerned about the sequence. Produce a title, heading, and list. You will be provided an object class, file control class, and comma separated values file.

Here are the instance fields:

// Instance Fields

private int lineNumber;

private String manufacturer;

private String itemNumber;

private short scale;

private String make;

private String modelDesignation;

private String model;

private String tailNumber;

private String fuselageCode;

private String pilot;

private String planeName;

Display the manufacturer, item number, scale, make and model of the airplane. Single space the report.

I recommend you make a copy of the file and select 5 – 10 records to start. Once you have a report printing, you can expand it to a couple of pages. While testing, reuse your paper as you can go through it pretty fast.

Deliverables (what you are to submit):

1. Planning document.
   1. Program Outline
   2. Methods
   3. Data items
   4. Sample output.
   5. Test Data – provided in the file.
2. Your complete project folder in zip format.

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Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Program Outline:** < This is an outline of what your program is to do. Be detailed. >

**Methods:** < This is a list of methods you will define in your program. >

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Function** | **Access Modifier(1)** | **Method Name** | **Parameters (dataType identifier)** | **Return Type (2)** |
| Main method: | public static | main() |  | void |
|  |  |  |  |  |

1. Access Modifier: local, public, private, protected

2. Return Type: void, string, char, byte, short, integer, long, double, float, boolean, object, etc.

**Data Items:** < This is a list of fields (variables, constants, and objects you will need. >

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Data Item** | **Source (1)** | **Access Modifier (2)** | **Data Type (3)** | **Identifier** | **Notes** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

1. Source (where the data comes from): calculated, input, constant, parameter, instance, object

2. Access Modifier: local, public, private, protected

3. Data Type: string, char, byte, short, integer, long, double, float, boolean, object, etc.

**Sample Output:** < What will the user see? >