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Evaluation Report

Evaluation Results

Requirement : Scripting and Programming – Apps: VGT Task 1

🖨 **Print**

AUTHOR: Mitchell Bryant

DATE EVALUATED: 03/11/2017 06:18:01 PM (MDT)

DRF TEMPLATE: Scripting and Programming - Applications (UG, C169, VGT1-0214)

PROGRAM: Scripting and Programming - Applications (UG, C169, VGT1-0214)

EVALUATION METHOD : Using Rubric

FINAL SCORE

Meets Requirement

General comments:

3/11/2017 - The Java methods are correctly developed to validate and process the data. Object-oriented design of the Student class is evident. Skills with the ArrayList named students and iteration for the grade averages were successful. Additional feedback is provided within the rubric. Good job on the object-oriented approach and successful output.

Detailed Results

(Rubric used : VGT Task 1)

Display

☑ All Comments ☑ Criteria Description

ARTICULATION OF RESPONSE (CLARITY, ORGANIZATION, MECHANICS)

0. UNSATISFACTORY/NOT PRESENT	1. NEEDS IMPROVEMENT	2. COMPETENT
The candidate provides unsatisfactory articulation of response.	The candidate provides limited articulation of response.	The candidate provides substantial articulation of response.

CRITERION SCORE :

2.00

A. PERSONAL INFORMATION

0. UNSATISFACTORY/NOT PRESENT	**1. NEEDS IMPROVEMENT**	**2. COMPETENT**
The candidate does not provide personal information in the last item of the students[] array.	The candidate incorrectly provides personal information in the last item of the students[] array.	The candidate correctly provides personal information in the last item of the students[] array.

CRITERION SCORE :

2.00

COMMENTS ON THIS CRITERION:

3/11/2017 - The last set of array elements is for Bryant, customized as requested in the software design specs.

B. STUDENT ROSTER PROGRAM

0. UNSATISFACTORY/NOT PRESENT	**1. NEEDS IMPROVEMENT**	**2. COMPETENT**
The candidate does not provide a program that converts the array of Strings to an ArrayList of Student objects.	Not applicable.	The candidate provides a program that converts the array of Strings to an ArrayList of Student objects.

CRITERION SCORE :

2.00

COMMENTS ON THIS CRITERION:

3/11/2017 - An ArrayList named students is correctly implemented in the Roster class.

B1. INSTANCE VARIABLES

0. UNSATISFACTORY/NOT PRESENT	1. NEEDS IMPROVEMENT	2. COMPETENT
The candidate does not provide instance variables that describe each student for the given points.	The candidate provides inappropriate instance variables that describe each student for the given points.	The candidate provides appropriate instance variables that describe each student for the given points.

CRITERION SCORE :

2.00

COMMENTS ON THIS CRITERION:

3/11/2017 - Class level variables in the Student class are declared as Private and align to the data points of the requirements statement.

B2A. ACCESSOR

0. UNSATISFACTORY/NOT PRESENT	1. NEEDS IMPROVEMENT	2. COMPETENT
The candidate does not provide an accessor in the `Student` class for *each* instance variable from part B1.	The candidate incorrectly provides an accessor in the `Student` class for *each* instance variable from part B1.	The candidate correctly provides an accessor in the `Student` class for *each* instance variable from part B1.

CRITERION SCORE :

2.00

COMMENTS ON THIS CRITERION:

3/11/2017 - Values are properly returned using the Getters.

B2B. MUTATOR

0. UNSATISFACTORY/NOT PRESENT	1. NEEDS IMPROVEMENT	2. COMPETENT
The candidate does not provide a mutator in the `Student` class for *each* instance variable from part B1.	The candidate incorrectly provides a mutator in the `Student` class for *each* instance variable from part B1.	The candidate correctly provides a mutator in the `Student` class for *each* instance variable from part B1.

CRITERION SCORE :

2.00

B2C. CONSTRUCTOR

0. UNSATISFACTORY/NOT PRESENT	1. NEEDS IMPROVEMENT	2. COMPETENT
The candidate does not provide a constructor in the `Student` class using *any* of the input parameters.	The candidate provides a constructor in the `Student` class using some of the input parameters.	The candidate provides a constructor in the `Student` class using *all* the input parameters.

CRITERION SCORE :

2.00

B2D. PRINTING SPECIFIC DATA

0. UNSATISFACTORY/NOT PRESENT	1. NEEDS IMPROVEMENT	2. COMPETENT
The candidate does not provide a `print()` method in the `Student` class to print specific student data using accessors.	The candidate incorrectly provides a `print()` method in the `Student` class to print specific student data using accessors.	The candidate correctly provides a `print()` method in the `Student` class to print specific student data using accessors.

CRITERION SCORE :

2.00

COMMENTS ON THIS CRITERION:

3/11/2017 - A print() method is present in the Student class and uses the getters to access the data for output.

B3A. ADD METHOD

0. UNSATISFACTORY/NOT	1. NEEDS IMPROVEMENT	2. COMPETENT

PRESENT

The candidate does not provide a `public static void add()` method in the student roster program that sets the instance variables from part B1 and updates the roster.

The candidate incorrectly provides a `public static void add()` method in the student roster program that sets the instance variables from part B1 and updates the roster.

The candidate correctly provides a `public static void add()` method in the student roster program that sets the instance variables from part B1 and updates the roster.

CRITERION SCORE :

2.00

B3B. REMOVE METHOD

0. UNSATISFACTORY/NOT PRESENT

The candidate does not provide a `public static void remove(studentID)` that removes students from the roster by student ID.

1. NEEDS IMPROVEMENT

The candidate incorrectly provides a `public static void remove(studentID)` that removes students from the roster by student ID.

2. COMPETENT

The candidate does provide a `public static void remove(studentID)` that removes students from the roster by student ID.

CRITERION SCORE :

2.00

COMMENTS ON THIS CRITERION:

3/11/2017 - The student is successfully removed using the variable i by line 56.

B3C. PRINT ALL METHOD

0. UNSATISFACTORY/NOT PRESENT

The candidate does not `provide public static void print_all()` that prints a tab-separated list of all student data using accessor methods.

1. NEEDS IMPROVEMENT

The candidate provides `provide public static void print_all()` that prints an incomplete tab-separated list of student data using accessor methods.

2. COMPETENT

The candidate provides `provide public static void print_all()` that prints a complete tab-separated list of student data using accessor methods.

CRITERION SCORE :

2.00

B3D. PRINT AVERAGE METHOD

0. UNSATISFACTORY/NOT PRESENT	1. NEEDS IMPROVEMENT	2. COMPETENT
The candidate does not `provide public static void print_average_grade(String studentID)` that prints a student's average grade by student ID.	The candidate provides `provide public static void print_average_grade(String studentID)` that incorrectly prints a student's average grade by student ID.	The candidate provides `provide public static void print_average_grade(String studentID)` that correctly prints a student's average grade by student ID.

CRITERION SCORE :

2.00

COMMENTS ON THIS CRITERION:

3/11/2017 - Good job in the method to iterate the array using the For loop and to calculate correct averages.

B3E. PRINT INVALID E-MAILS METHOD

0. UNSATISFACTORY/NOT PRESENT	1. NEEDS IMPROVEMENT	2. COMPETENT
The candidate does not `provide public static void print_invalid_emails()` that verifies student e-mail addresses and displays any invalid e-mail addresses to the user.	The candidate provides `provide public static void print_invalid_emails()` that verifies student e-mail addresses and displays some invalid e-mail addresses to the user.	The candidate provides `provide public static void print_invalid_emails()` that verifies student e-mail addresses and displays *all* invalid e-mail addresses to the user.

CRITERION SCORE :

2.00

COMMENTS ON THIS CRITERION:

3/11/2017 - The method validates email addresses from the array for @, space, and the period domain delimiter.

C1. OUTPUT

0. UNSATISFACTORY/NOT PRESENT	1. NEEDS IMPROVEMENT	2. COMPETENT
The candidate does not provide evidence of the program's required functionality by attaching the output along with the entire project folder.	The candidate provides evidence of the program's required functionality by attaching *either* the output *or* the entire project folder correctly.	The candidate provides evidence of the program's required functionality by attaching the output along with the entire project folder.

CRITERION SCORE :

2.00

COMMENTS ON THIS CRITERION:

3/11/2017 - Output is successful using the System.out.println approach and documented in the MitchBryantOutput.JPG file.

D. SOURCES

0. UNSATISFACTORY/NOT PRESENT	1. NEEDS IMPROVEMENT	2. COMPETENT
If the candidate uses sources, the candidate does not provide in-text citations and references.	If the candidate uses sources, the candidate provides appropriate in-text citations and references with major deviations from APA style.	If the candidate uses sources, the candidate provides appropriate in-text citations and references with no readily detectable deviations from APA style, OR the candidate does not use sources.

CRITERION SCORE :

2.00