Assignment 1 Marks

Name:			
Basic Project Structure C	heck	list	(NO MARKS)
		yes	Submitted BlueJ project folder organized as requested
		VAS	 including "test data" subfolder All code compiles without errors or warning
			☐ Main class includes comments for any incomplete features or known bugs in the project
		<i>y</i>	
Assignment Solution	80	/	80 Performance Requirements
☐ General Flow	20	/	20
			 Reads in all proper information at the start of the program then writes the report
			Prompts for name of input file and waits for user input on the same line
			• Indicates in the prompt whether or not to include the .txt suffix
			 Reads the entire file into an appropriate data structure
			(one or more ArrayList in the appropriately named class or classes)
			 Calculates averages by scanning the data structures
			Writes the report to the console
Proper use of main	10	/	10 proper use of instantiated objects
			 Program is launched with a static main method in an appropriately named class
			 All significant processing is performed in instantiated objects
Loading and holding data	10	/	10
			 All the data is loaded into ArrayLists using a loader method
			The inputted data is used to determine how to store the information
			(i.e. when the day number changes it is now a new day)
			 Class that loaded the data also has methods to report the data as needed
Statistics Calculation	10	/	10
			 Statistics are kept in appropriately named classes
_			 Calculations are performed by asking the data class for the raw data
☐ Report Generation	30	/	30
			 The report header displays the zone name and average as per requirements
			The number of days in the month is reported based on
			the number of days in the input file
			The report is structured into columns which have the same width The report is structured into columns which have the same width The report is structured into columns which have the same width The report is structured into columns which have the same width
			 The hour information is correctly formatted and shows the right hours for the zone
			The daily information is properly centered in each column
			 The daily temperature is properly formatted with a minus sign if needed
			 Asterisks properly appear on each side of temperatures within 1 degree of the average
			 All significant processing is performed in instantiated objects
			All the data is loaded into ArrayLists using a loader method
			The inputted data is used to determine how to store the information
			 Class that loaded the data also has methods to report the data as needed

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Assignment 1 Marks

Code Design 20 / 20 Quality and Readability	Requirements
Readability 5 / 5	
• overall, code is clear and concise	
 all identifier names are self-documenting 	
■ hard-coded magic number literals are avo	
best declared at the top of a class	•
 all code is correctly and consistently inde 	
 all code is formatted to enhance readabil 	iity; white space is inserted around
logically-related code blocks	
■ tricky or less obvious sections of code are	
comments, as appropriate (this will be and other concerns	e weighted heavier for marks)
_ ,,	a dalagated to classly named believe matheds
	e delegated to clearly-named helper methods
	ithods where they are not really needed
(one line methods that are only	
·	gorithms needed more than once are
placed in helper methods tha	<u> </u>
• (5 marks) Javadoc has been applied to al	
Header for every file	important methods
Main methods include proper	izvador above the method
Accessory and modifier methods	-
• (3 marks) Choice of instance variables ver	•
- (3 maiks) Choice of mistance variables ver	isus local variables is appropriate.
Does it make sense for the lifetime of	f the class it is declared in. Could it have been a
local variable in each method it is use	d in. Could it have been a parameter or return from
method instead. (3 = good,2=small er	rrors, 1=needs work, 0 = needs a lot of work)
Subtotal 100 / 100	
,	for the main method (up to -20 marks)
	marked private (Max of 5 marks taken off)
•	ot marked private (Max of 5 marks off)
-5 the program does not start up fr	
·	cimal values outputted to 1 decimal places
Other:	
TOTAL 100 / 100	
IUIAL IUU / IUU	
Mark 3.0 / 3	

Comments: