Project Unit 1 Grading Rubric

Criterion	Points of Grade	Your Score	Excellent (100%)	Adequate (80%)	Poor (60%)	Not Met (0%)
Program Specifications / Correctness	5		No errors, program always works correctly and meets the specification(s). The code could be reused as a whole or each routine could be reused. Classes for Model and FileIO are in separate packages. Model has Auto, OptionSet and Option Class. Java coding conventions are followed.	Minor details of the program specification are violated, program functions incorrectly for some inputs. Most of the code could be reused in other programs. Criterion specified under "Excellent" has minor issues	Significant details of the specification are violated, program often exhibits incorrect behavior. Some parts of the code could be reused in other programs. Criterion specified under "Excellent" has major issues	Program only functions correctly in very limited cases or not at all. The code is not organized for reusability.
Readability	1		No errors, code is clean, understandable, and well-organized. Code has been packaged and authored based on Java Coding Standards. Text input file is readable and easy to follow. A single text file is used for data input.	Minor issues with consistent indentation, use of whitespace, variable naming, or general organization. Criterion specified under "Excellent" has minor issues	At least one major issue with indentation, whitespace, variable names, or organization. The code is readable only by someone who knows what it is supposed to be doing. Criterion specified under "Excellent" has major issues	The code is poorly organized and very difficult to read.
Documentation	1		The documentation is well written and clearly explains what the code is accomplishing. Class diagram is provided.	One or two places that could benefit from comments are missing them **or** the code is *overly* commented.	File header missing, complicated lines or sections of code uncommented or lacking meaningful comments. Criterion specified under "Excellent" has major issues	The documentation is simply comments embedded in the code and does not help the reader understand the code.
Code Efficiency	2		No errors, code uses the best approach in every case. The code is extremely efficient without sacrificing readability and understanding. FileIO routines are not embedded in AutoModel including instantiation of FileReader Objects in AutoModel.	The code is fairly efficient without sacrificing readability and understanding. Criterion specified under "Excellent" has minor issues	Code uses poorly-chosen approaches in at least one place. The code is brute force and unnecessarily long. Criterion specified under "Excellent" has major issues	Many things in the code could have been accomplished in an easier, faster, or otherwise better fashion. The code is huge and appears to be patched together.
Assignment Specifications	1		No errors. Text file is read to build a Automodel. Automodel is serialized to a file, read back and then properties printed.	No errors. Text file is read to build a Automodel. Automodel is serialized to a file, read back and then properties printed.	Minor details of the assignment specification are violated, such as files named incorrectly or extra instructions slightly misunderstood.	Significant details of the specification are violated, such as extra instructions ignored or entirely misunderstood.
Your Total Score & Feedback	10					