| Total (20) | 18 |
| --- | --- |

## 1. Program Specifications / Correctness

| Total (12) | 12 |
| --- | --- |
| No errors, program always works correctly and meets the specification(s)<br>(1) | 1 |
| The code could be reused as a whole or each routine could be reused.<br>(1) | 1 |
| Custom Exception Handler has been implemented with usage of five minimum exceptions one of which is self-healing.<br>(2) | 2 |
| Abstract Classes constructs utilized to add extensibility<br>(2) | 2 |
| Interfaces utilized to expose Model's (Auto, OptionSet and Option) functionality is meaningful(means the methods in interface are well thought out/useful in context Of application).<br>(2) | 2 |
| Collection - LinkedHashMap is implemented for group of Automobile class.<br>OptionSet and Option implement ArrayList<br>(2) | 2 |
| Automobile class has way to track user selection (through creation of Option choice variable and related functionality). (2) | 2 |

## 2. Readability

| Total (3) | 3 |
| --- | --- |
| No errors, code is clean, understandable, and well-organized.<br>(1) | 1 |
| Code has been packaged and authored based on Java Coding Standards.<br>(1) | 1 |
| Text input file is readable and easy to follow.<br>(1) | 1 |

## 3. Documentation

| Total (2) | 2 |
|---|---|
| The documentation is well written and clearly explains what the code is accomplishing and how.      (1) | 1 |
| Class Diagram is provided (and NOT generated from code) rather than showing the design (1) | 1 |

## 4. Code Efficiency

| Total (3) | 1 |
|---|---|
| No errors, code uses the best approach in every case. The code is extremely efficient without sacrificing readability and understanding.    (1) | 1 |
| Ability to correct exceptions is added in exception handling class. Ability to log exceptions is added. (2) | 0 |