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| Test Case ID | Test Case | Input | Expected Output |
| 1 | Add vehicle (Car) | 1 | Request user to choose whether to add a car or a motorbike |
|  |  | 1 | Prompt user with information relevant for a car |
|  |  | Enter all prompted information | Add vehicle to system. |
|  |  |  |  |
| 2 | Add vehicle (Motorbike) | 1 | Request user to choose whether to add a car or a motorbike |
|  |  | 2 | Prompt user with information relevant for a motorbike |
|  |  | Enter all prompted information | Add vehicle to system. |
|  |  |  |  |
| 3 | Edit vehicle (Car/ Motorbike) | 1 | Prompt user with information relevant for a motorbike |
|  |  | 1 OR 2 | Prompt user for Plate No. of the vehicle |
|  |  | Enter plate number that’s already in the system (BIK 2525) | Display message to user that, “This Plate No exists in the system.”  Display the information of the vehicle with the entered Plate No.  Prompt user, “Do u want to edit information related to this vehicle?” |
|  |  | Y OR yes OR Yes OR y | Prompt all information relevant to vehicle type chosen |
|  |  | Enter all prompted information | Remove old vehicle information from the system.  Add new vehicle information to the system. |
|  |  |  |  |
| 4 | Edit vehicle (Car/ Motorbike) | 1 | Prompt user with information relevant for a motorbike |
|  |  | 1 OR 2 | Prompt user for Plate No. of the vehicle |
|  |  | Enter plate number that’s already in the system (BIK 2525) | Display message to user that, “This Plate No exists in the system.”  Display the information of the vehicle with the entered Plate No.  Prompt user, “Do u want to edit information related to this vehicle?” |
|  |  | N OR No or no OR n | Display the main menu with its options.  Prompt for selection of option |
|  |  |  |  |
| 5 | Delete vehicle - available | 2 | Prompt user for the Plate No. of the vehicle required to be deleted. |
|  |  | Enter plate number that’s already in the system (BIK 2525) | Display the type of vehicle that was deleted (car/ motorbike)  Print the details of the vehicle that was deleted.  Display the remaining parking slots left in the garage.  Remove vehicle from system. |
|  |  |  |  |
| 6 | Delete vehicle - unavailable | 2 | Prompt user for the Plate No. of the vehicle required to be deleted. |
|  |  | Enter plate number that’s not in the system (fg) | Display, “There's no vehicle related to the Plate No: fg”  Re prompt main menu. |
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|  |  |  |  |
| 7 | Print List of vehicles | 3 | Sort the list of vehicles in alphabetical order of make.  Print all the plateIDs and types of all the vehicles in the system. |
|  |  |  |  |
| 8 | Open GUI | 4 | Prompt user to enter required GUI (Angular / JavaFX) |
|  |  | 1 | Open Angular GUI in the default web browser. |
|  |  |  |  |
| 9 | Open GUI | 4 | Prompt user to enter required GUI (Angular / JavaFX) |
|  |  | 2 | Open JavaFX GUI in a new window. |
|  |  |  |  |
| 10 | Exit program with exit message | 5 | Display exit message and exit console application. |
|  |  | 20 | Display message for invalid input & re prompt menu |
|  |  | -5 |
|  |  | f | Display, "Only integer numbers are allowed! Please provide a valid input".  Re prompt menu |
|  |  | @ |
|  |  |  |  |
| 11 | Write/ Save vehicle stock list into a file after any changes. | Add vehicle | Write vehicle information into a file. |
|  |  | Edit vehicle information | Edit vehicle information in the file. |
|  |  | Delete vehicle | Delete vehicle information from the file. |
|  |  |  |  |
| 12 | Validate integer input | 4 | Get out of validation loop. Continue with rest of the program functions. |
|  |  | d | Display, "Only integer numbers are allowed! Please provide a valid input".  Re prompt for input. |
|  |  | # |
|  |  |  |  |
| 13 | Validate double input | 3 | Get out of validation loop. Continue with rest of the program functions. |
|  |  | 4.7 |
|  |  | f | Display, "Only numbers are allowed! Please provide a valid input".  Re prompt for input. |
|  |  | % |