

Vehicle Dealership Project — QA Testing Assignment

Objective

In this activity, you will put on your **QA (Quality Assurance) hat** and test your partner's dealership application. This exercise mirrors what **real QA testers do** in industry: ensuring that the application behaves as expected under various scenarios, providing precise feedback, and documenting the outcome of each test case.

Step 1: Prepare Your Project for Testing

Before you hand off your application to your partner, complete the following:

- **Ensure your inventory.csv file contains at least 15 vehicles.**
Your partner will be testing search features, filters, and adding/removing inventory. Fewer than 15 vehicles may prevent thorough testing. Make updates to your inventory.csv file to make sure it has at least 15 different vehicles.
 - **Download and open the QA spreadsheet.**
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Step 2: Fill In the Spreadsheet (as the Code Owner)

Go through the **Core Tests** tab and complete the following columns:

- **Partner Input Instructions:** These are already written, but make sure they match your system if menu flows differ.
- **Expected Count of Results:** Run the test yourself and write how many vehicles you expect to appear.
- **Expected VINs (Provided by Partner):** Write down the exact VINs that should appear if your code is functioning correctly.

Then, share your completed spreadsheet and your application (with data) with your assigned QA partner.

Step 3: Perform QA Testing (as the Tester)

After receiving your partner's app and test sheet:

- Go through **all Core Tests** in the spreadsheet.
- For each:
 - Run the test following the input instructions.
 - Count how many results appear.
 - Write down the **actual VINs** returned.
 - Use the **Pass/Fail/Untested dropdown** to indicate whether the results match expectations.
 - Add comments if there are discrepancies or observations.
- You may also complete some of the **Exploratory Tests** (optional, but encouraged).

Note: You will perform testing **individually**, without your partner present. This simulates how QA often works in professional settings.

Step 4: Review Results Together

Once you've finished testing:

- **Go over the results with your partner.**
 - Discuss:
 - Any failing tests and why they may have occurred
 - Any bugs, unexpected behavior, or areas of confusion
 - Any edge cases or exploratory findings you observed
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Important Notes

- **Failing a test case does not mean your partner failed the assignment.** QA is about uncovering bugs, not penalizing them.
- This is to help you improve your program and identify where you could make improvements.