Test Cases: Right Turn

# Introduction

This document contains the complete set of functional regression tests for the Right Turn application on the B2C platform. It should be kept up to date when changes are made to the application.

This does not include the smoke test suite. Please see [TBD] for details on smoke testing.

## Standard Regression Test Suite

When time constraints prohibit a full regression test, the following tests should be run to ensure acceptable coverage:

* [TBD]

## Unit Tests

Some of the tests in this document should have been unit tests, but were included in the functional regression suite due to technical limitations. When those are overcome, they should be removed from this document. The following is a list of cases which should be moved to the unit test suite:

* 1.04 Valid Zip Code Validation
* 1.05 Invalid Zip Code Validation
* 6.03 No Amenities
* 6.04 Carwash
* 6.05 Loaner Car
* 6.06 Valet
* 6.07 Shuttle Service
* 6.08 Coffee/Snack Bar
* 6.09 Wifi
* 6.10 TV Lounge
* 6.11 Multi-point Safety Inspection
* 6.12 No Carwash
* 6.13 No Loaner Car
* 6.14 No Valet
* 6.15 No Shuttle Service
* 6.16 No Coffee/Snack Bar
* 6.17 No Wifi
* 6.18 No TV Lounge
* 6.19 No Multi-point Safety Inspection
* All of Feature 9
* 11.07 Recommended Tire
* 11.08 Non-recommended Tire
* 11.09 Seasonality: Winter
* 11.10 Seasonality: Three-season
* 11.11 Seasonality: All-season
* 11.12 Runflats
* 16.07 Invalid Data
* All of feature 18
* All of feature 19

## Automation

The majority of these test cases are automated. Please see [TBD] for details.

## Missing Test cases

The following are some test cases that are not present in the document:

* Any and all tests dealing with the new X-time integration feature, as they were not added to the document
* There are no test cases covering the Tire Coach options when searching by size
* Tire Coach tests will need to be adjusted for the Nationwide launch
* Tire Coach tests do not include testing the multiple select capabilities
* There are very few tests that detail the logic of the recommendation engine

## Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| Bayley Gaillard | 3-19-15 | Complete formatting overhaul | 3.0 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# Location Page

## Feature 1: Zip Code Validation

As an end user  
I want to check if I’m in the service area early  
so that I don’t waste my time.

### Test 1.01: Invalid zip code cannot continue

#### User Story:

Given I am on the location page   
When I enter a valid zip code   
Then I should not be able to navigate to the next page

#### Procedure:

1. Navigate to Location page (/location)
2. Enter valid zip code (see data) in the zip code entry textbox
3. Verify that the “Next” button is disabled
4. Verify that clicking the “Next” button does not take you to the next page

#### Data:

Invalid zip codes are those which are not valid in the United States; they may or may not be valid in other countries. Zip codes with prefix 000, 002, 213, 429, and 987 are invalid, as those prefixes are not assigned. Zip codes containing letters (such as L1 8JQ or K1A 0B1) are also not valid.

### Test 1.02: In Market Zip Code can continue

#### User Story:

Given I am in the service area   
When I enter my zip code  
Then I should be able to continue on

#### Procedure:

1. Navigate to Location page (/location)
2. Enter valid zip code (see data) in the zip code entry textbox
3. Verify that text appears to indicate that the zip code is in the service area
4. Verify that no validation errors are indicated in the form
5. Verify that the “next” button is enabled
6. Verify that clicking the “next” button takes you to the Vehicle page

#### Data:

At this time, in-market zip codes include any zip code in the Greater Cleveland Area and any zip code in the Greater Dallas Area. Suggested zip codes: 44321, 44223, 44302, 75087, 75062

After the nationwide launch, in-market zip codes will include [TBD]

### Test 1.03: Out Market Zip Code cannot continue

#### User Story:

Given I am not in the service area   
When I enter my zip code  
Then I should not be able to continue on

#### Procedure:

1. Navigate to Location page (/location)
2. Enter valid zip code (see data) in the zip code entry textbox
3. Verify that text appears to indicate that the zip code is in the service area
4. Verify that no validation errors are indicated in the form
5. Verify that the “next” button is enabled
6. Verify that clicking the “next” button takes you to the Vehicle page

#### Data:

Out-market zip codes are any that are not specified in the previous test case as valid.

### Test 1.04: Valid zip code validation

#### User Story:

Given I am on the location page   
When I enter a valid zip code   
Then the page should inform me that the zip code is valid

#### Procedure:

1. Navigate to Location page (/location)
2. Enter valid zip code (see data) in the zip code entry textbox
3. Verify that text appears to indicate that the zip code is valid
4. Verify that no validation errors are indicated in the form

#### Data:

Valid zip codes in the United States include five digits. A list of valid zip codes can be found at <http://www.city-data.com/zipDir.html>.

### Test 1.05: Invalid Zip Code validation

#### User Story:

Given I am on the location page   
When I enter an invalid zip code   
Then the page should inform me that the zip code is invalid

#### Procedure:

1. Navigate to Location page (/location)
2. Enter invalid zip code (see data) in the zip code entry textbox
3. Verify that text appears to indicate that the zip code is invalid
4. Verify that a validation error is indicated in the form

#### Data:

Invalid zip codes are those which are not valid in the United States; they may or may not be valid in other countries. Zip codes with prefix 000, 002, 213, 429, and 987 are invalid, as those prefixes are not assigned. Zip codes containing letters (such as L1 8JQ or K1A 0B1) are also not valid.

# Your Vehicle

## Feature 2: Vehicle Entry

As an end user  
I want to search for tires for my vehicle  
So that I don’t have to look up what size tires I need

### Test 2.01: Entering Options

#### User Story:

Given that I have entered a valid location   
When I select a vehicle with more than one option package   
Then the interface should allow me to select an option   
And it should echo my choices on the right

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the year, make, model, and trim for the chosen vehicle (see data)
5. Verify that the “option” box becomes enabled
6. Verify that year, make, model, and trim appear on the right-hand side of the screen according to data input
7. Select an option
8. Verify that the option selected appears on the right-hand side of the screen

#### Data:

[TBD]

### Test 2.02: No Options

#### User Story:

Given that I have entered a valid location   
When I select a vehicle with no option choices   
Then the interface should not allow me to select an option   
And it should echo my choices on the right   
And it should not display an option on the right

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the year, make, and model for the chosen vehicle (see data)
5. Verify that the “option” box does not become enabled
6. Verify that year, make, and model appear on the right-hand side of the screen according to data input

#### Data:

[TBD]

### Test 2.03: Back link

#### User Story:

Given that I have entered a valid location   
When I interact with the vehicle page  
Then I should always be able to click “back”  
When I click “back”  
Then I should be returned to the Location page

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Verify that the “back” button is enabled on the vehicle page. This is not the browser back button, but the on-screen button.
5. Click “back”, verifying that it takes you to the Location page.
6. Click “Next” again to return to the vehicle page.
7. Enter a year.
8. Verify that the “back” button remains enabled.
9. Enter a make.
10. Verify that the “back” button remains enabled.
11. Enter a model.
12. Verify that the “back” button remains enabled.
13. Enter a trim.
14. Verify that the “back” button remains enabled.
15. Enter an option.
16. Verify that the “back” button remains enabled
17. Click the “back” button.
18. Verify that you are once again on the Location page.

#### Data:

Select a vehicle with options, as in test 2.01.

### Test 2.04: Next link

#### User Story:

Given that I have entered a valid location   
When I interact with the vehicle page  
Then I should not be able to click “Next”  
When I enter complete vehicle information  
Then I should be able to click “Next”

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Verify that the “next” button is not enabled on the vehicle page.
5. Enter a year.
6. Verify that the “next” button remains disabled.
7. Enter a make.
8. Verify that the “next” button remains disabled.
9. Enter a model.
10. Verify that the “next” button remains disabled.
11. Enter a trim.
12. Verify that the “next” button remains disabled.
13. Enter an option.
14. Verify that the “next” button becomes enabled
15. Click the “next” button.
16. Verify that you are on the Verification page

#### Data:

Select a vehicle with options, as in test 2.01.

### Test 2.05: Next link without options

#### User Story:

Given that I have entered a valid location   
When I interact with the vehicle page  
Then I should not be able to click “Next”  
When I enter complete vehicle information  
Then I should be able to click “Next”

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Verify that the “next” button is not enabled on the vehicle page.
5. Enter a year.
6. Verify that the “next” button remains disabled.
7. Enter a make.
8. Verify that the “next” button remains disabled.
9. Enter a model.
10. Verify that the “next” button remains disabled.
11. Enter a trim.
12. Verify that the “next” button becomes enabled
13. Click the “next” button.
14. Verify that you are on the Verification page

#### Data:

Select a vehicle without options, as in test 2.02.

## Feature 3: Search by Size

As an expert user  
I want to enter the size of my tires directly  
So that I can find tires of a known size

### Test 3.01: Search by Size

#### User Story:

Given I have entered a valid location  
When I reach the vehicle page  
Then I should be able to perform a size-based search

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Verify that the “Search by Size” tab exists on the Vehicle page
5. Click the “Search by Size” tab
6. Enter a make and size
7. Verify that the “Next” button becomes enabled
8. Click “Next”
9. Verify that the Verify page appears
10. Verify that the size and make entered appear on the Verify page

#### Data:

[TBD]

### Test 3.02: Default tab: First time

#### User Story:

Given this is my first time to the site  
When I reach the vehicle page  
Then I should see the “search by vehicle” tab selected

#### Procedure:

1. Clear all cookies and cache. This can be easily achieved by opening an “incognito” window or “private” session.
2. Navigate to Location page (/app/location)
3. Enter valid zip code in the zip code entry textbox
4. Click “Next”
5. Verify that the “search by vehicle” tab is selected by default.

#### Data:

[TBD]

### Test 3.03: Default tab: Last search was by vehicle

#### User Story:

Given I have selected a vehicle  
When return to the vehicle page  
Then I should see the “search by vehicle” tab selected

#### Procedure:

1. Clear all cookies and cache. This can be easily achieved by opening an “incognito” window or “private” session.
2. Navigate to Location page (/app/location)
3. Enter valid zip code in the zip code entry textbox
4. Click “Next”
5. Enter a vehicle.
6. Click “Next”
7. Navigate back to the vehicle page (/app/vehicle)
8. Verify that the “Search by vehicle” tab is selected

#### Data:

[TBD]

### Test 3.04: Default tab: PUWYLO by vehicle

#### User Story:

Given I have selected a vehicle  
And I have triggered a PUWYLO modal  
When click continue  
And I return to the vehicle page  
Then I should see the “search by vehicle” tab selected

#### Procedure:

1. Clear all cookies and cache. This can be easily achieved by opening an “incognito” window or “private” session.
2. Navigate to Location page (/app/location)
3. Enter valid zip code in the zip code entry textbox
4. Click “Next”
5. Enter a vehicle.
6. Click “Next”
7. Navigate away from the site
8. Navigate back to the home page.
9. When the PUWYLO modal appears, click “Continue”
10. Navigate back to the vehicle page
11. Verify that the “Search by vehicle” tab is selected

#### Data:

[TBD]

### Test 3.05: Default tab: PUWYLO by vehicle (click no)

#### User Story:

Given I have selected a vehicle  
And I have triggered a PUWYLO modal  
When click “I would rather start over”  
And I return to the vehicle page  
Then I should see the “search by vehicle” tab selected

#### Procedure:

1. Clear all cookies and cache. This can be easily achieved by opening an “incognito” window or “private” session.
2. Navigate to Location page (/app/location)
3. Enter valid zip code in the zip code entry textbox
4. Click “Next”
5. Enter a vehicle.
6. Click “Next”
7. Navigate away from the site
8. Navigate back to the home page.
9. When the PUWYLO modal appears, click “I would rather start over”
10. On the Location page, enter a valid zip code
11. Click “Next”
12. Verify that the “Search by vehicle” tab is selected

#### Data:

[TBD]

### Test 3.06: Default tab: PUWYLO by size

#### User Story:

Given I have selected a size  
And I have triggered a PUWYLO modal  
When click continue  
And I return to the vehicle page  
Then I should see the “search by vehicle” tab selected

#### Procedure:

1. Clear all cookies and cache. This can be easily achieved by opening an “incognito” window or “private” session.
2. Navigate to Location page (/app/location)
3. Enter valid zip code in the zip code entry textbox
4. Click “Next”
5. Enter a size on the “search by size” tab.
6. Click “Next”
7. Navigate away from the site
8. Navigate back to the home page.
9. When the PUWYLO modal appears, click “Continue”
10. Navigate back to the vehicle page
11. Verify that the “Search by size” tab is selected

#### Data:

[TBD]

### Test 3.07: Default tab: PUWYLO by size (click no)

#### User Story:

Given I have selected a size  
And I have triggered a PUWYLO modal  
When click “I would rather start over”  
And I return to the vehicle page  
Then I should see the “search by vehicle” tab selected

#### Procedure:

1. Clear all cookies and cache. This can be easily achieved by opening an “incognito” window or “private” session.
2. Navigate to Location page (/app/location)
3. Enter valid zip code in the zip code entry textbox
4. Click “Next”
5. Enter a size on the “search by size” tab.
6. Click “Next”
7. Navigate away from the site
8. Navigate back to the home page.
9. When the PUWYLO modal appears, click “I would rather start over”
10. Enter a valid zip code on the location page
11. Click “Next”
12. Verify that the “Search by vehicle” tab is selected on the vehicle page

#### Data:

[TBD]

### Test 3.08: Default tab: last search was by size

#### User Story:

Given I have selected a size   
When I click “Back” until I reach the Vehicle page  
Then I should see the “search by size” tab selected

#### Procedure:

1. Clear all cookies and cache. This can be easily achieved by opening an “incognito” window or “private” session.
2. Navigate to Location page (/app/location)
3. Enter valid zip code in the zip code entry textbox
4. Click “Next”
5. Enter a size on the “search by size” tab.
6. Click “Next”
7. On the Verify page, click “Back”
8. Verify that the “Search by size” tab is selected

#### Data:

[TBD]

### Test 3.09: Tab switches remember information

#### User Story:

Given I am on the vehicle page  
And I have entered a vehicle  
And I have entered a size on the size tab  
When I click the “Search by Vehicle” tab  
Then I should see the vehicle I previously entered  
When I click the “search by size” tab  
Then I should see the size I previously entered

#### Procedure:

1. Clear all cookies and cache. This can be easily achieved by opening an “incognito” window or “private” session.
2. Navigate to Location page (/app/location)
3. Enter valid zip code in the zip code entry textbox
4. Click “Next”
5. On the “search by vehicle” tab, enter a valid vehicle
6. On the “search by size” tab, enter a valid size
7. Switch back to the “search by vehicle” tab
8. Verify that the vehicle previously entered is visible in the dropdown boxes
9. Switch back to the “search by size” tab
10. Verify that the size previously entered is visible in the dropdown boxes

#### Data:

[TBD]

### Test 3.10: Page changes do not remember information

#### User Story:

Given I have entered a vehicle on the vehicle tab  
And I have entered a size on the size tab  
When I navigate backward  
And I return to the Vehicle page  
Then I should not see my previous vehicle selected  
And I should not see my previous size selected

#### Procedure:

1. Clear all cookies and cache. This can be easily achieved by opening an “incognito” window or “private” session.
2. Navigate to Location page (/app/location)
3. Enter valid zip code in the zip code entry textbox
4. Click “Next”
5. On the “search by vehicle” tab, enter a valid vehicle
6. On the “search by size” tab, enter a valid size
7. Click “back” to return to the Location page
8. Click “Next”
9. Verify that the “search by vehicle” tab is in its default state (no vehicle selected)
10. Verify that the “search by size” tab is in its default state (no size selected)

#### Data:

[TBD]

### Test 3.11: Next link

#### User Story:

Given that I have entered a valid location   
When I interact with the “search by size” tab on the vehicle page  
Then I should not be able to click “Next”  
When I enter complete size information  
Then I should be able to click “Next”

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Select the “search by size” tab on the Vehicle page
5. Verify that the “next” button is not enabled.
6. Enter a make.
7. Verify that the “next” button remains disabled.
8. Enter a width.
9. Verify that the “next” button remains disabled.
10. Enter an aspect ratio.
11. Verify that the “next” button remains disabled.
12. Enter a diameter.
13. Verify that the “next” button becomes enabled
14. Click the “next” button.
15. Verify that you are on the Verification page

#### Data:

Select a vehicle with options, as in test 2.01.

## Feature 4: Verification Page

As a poor typist  
I want to be sure that I entered the right information  
So that I don’t buy the wrong size tires

### Test 4.01: One size on the vehicle

#### User Story:

Given that I have entered a valid location   
And I am on the vehicle page   
When I select a vehicle with one tire size   
And I click next   
Then the verify page should contain the vehicle I selected   
And it should display the correct size

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the year, make, model, trim, and option (if applicable) for the chosen vehicle (see data)
5. Click “Next”
6. Verify that the vehicle selected appears on the Verify page according to the data input
7. Verify that the known size appears on the Verify page correctly (see data)

#### Data:

This test scenario requires a vehicle with a single square fitment. Valid vehicles include [TBD]

### Test 4.02: One staggered size on vehicle

#### User Story:

Given that I have entered a valid location   
When I select a vehicle with one staggered tire size   
And I click next   
Then the verify page should contain the vehicle I selected   
And it should display the correct front and rear sizes

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the year, make, model, trim, and option (if applicable) for the chosen vehicle (see data)
5. Click “Next”
6. Verify that the vehicle selected appears on the Verify page according to the data input
7. Verify that the known front size appears on the Verify page correctly (see data)
8. Verify that the known rear size appears on the Verify page correctly (see data)

#### Data:

This test scenario requires a vehicle that contains a single staggered fitment. Valid vehicles include [TBD]

### Test 4.03: One size with runflats

#### User Story:

Given that I have entered a valid location  
When I select a vehicle with one tire size and runflat tires   
And I click next   
Then the verify page should contain the vehicle I selected   
And it should inform me that runflats are available  
And products chosen should all be runflat tires

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the year, make, model, trim, and option (if applicable) for the chosen vehicle (see data)
5. Click “Next”
6. Verify that the vehicle selected appears on the Verify page according to the data input
7. Verify that runflats are displayed as available on the vehicle
8. Continue through the purchase funnel, choosing any options, until the Product page is reached
9. Verify that all products shown are listed as having runflat capability

#### Data:

This test scenario requires a vehicle that always has runflats. Valid vehicles are [TBD]

### Test 4.04: One staggered size with runflats

#### User Story:

Given that I have entered a valid location   
And I am on the vehicle page   
When I select a vehicle with one staggered tire size and runflat tires   
And I click next   
Then the verify page should contain the vehicle I selected   
And it should inform me that runflats are available

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the year, make, model, trim, and option (if applicable) for the chosen vehicle (see data)
5. Click “Next”
6. Verify that the vehicle selected appears on the Verify page according to the data input
7. Verify that runflats are displayed as available on the vehicle
8. Verify that the known front size appears on the Verify page
9. Verify that the known rear size appears on the Verify page

#### Data:

This test scenario requires a vehicle with a single staggered fitment that always has runflats. Valid vehicles are [TBD]

### Test 4.05: One size without runflats

#### User Story:

Given that I have entered a valid location   
And I am on the vehicle page   
When I select a vehicle with one tire size and no runflat tires   
And I click next   
Then the verify page should contain the vehicle I selected   
And it should not inform me that runflats are available

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the year, make, model, trim, and option (if applicable) for the chosen vehicle (see data)
5. Click “Next”
6. Verify that the vehicle selected appears on the Verify page according to the data input
7. Verify that no information about runflats appears on the Verify page

#### Data:

This test scenario requires a vehicle with a single square fitment that never has runflats. Valid vehicles are [TBD]

### Test 4.06: Multiple sizes

#### User Story:

Given that I have entered a valid location  
When I select a vehicle which has multiple sizes  
Then the verify page should show me multiple sizes  
And I should be asked to select one  
And I should not be able to continue until I do

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the year, make, model, trim, and option (if applicable) for the chosen vehicle (see data)
5. Click “Next”
6. Verify that the vehicle selected appears on the Verify page according to the data input
7. Verify that all expected sizes appear on the Verify page
8. Verify that the “Next” button is disabled
9. Select one of the sizes presented
10. Verify that the “Next” button is now enabled

#### Data:

This test scenario requires a vehicle with a multiple sizes of fitments. Valid vehicles are [TBD]

### Test 4.07: Multiple sizes staggered

#### User Story:

Given that I have entered a valid location  
When I select a vehicle which has multiple staggered fitments  
Then the verify page should show me multiple staggered fitments  
And I should be asked to select one  
And I should not be able to continue until I do

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the year, make, model, trim, and option (if applicable) for the chosen vehicle (see data)
5. Click “Next”
6. Verify that the vehicle selected appears on the Verify page according to the data input
7. Verify that all expected sizes appear on the Verify page, each a staggered fitment
8. Verify that the “Next” button is disabled
9. Select one of the sizes presented
10. Verify that the “Next” button is now enabled

#### Data:

This test scenario requires a vehicle with a multiple sizes of staggered fitments. Valid vehicles are [TBD]

### Test 4.08: Runflat question (yes)

#### User Story:

Given I have selected a vehicle with both runflats and non-runflats  
Then I should see the question “Do you have runflats?” on the verify page  
And I should not be able to continue  
When I select yes  
And I click next  
Then I should be on the verify page  
And it should say “Runflats: yes”   
When I continue on to the product page  
Then I should see runflat tires displayed

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the year, make, model, trim, and option (if applicable) for the chosen vehicle (see data)
5. Click “Next”
6. Verify that the vehicle selected appears on the Verify page according to the data input
7. Verify that the runflat question is displayed
8. Verify that the “Next” button is disabled
9. Select “yes” to the runflat question
10. Verify that the “Next” button is now enabled
11. Continue through the purchase funnel, choosing any options, until the Product page is reached
12. Verify that all products displayed have runflat capability

#### Data:

This test scenario requires a vehicle with both runflat and non-runflat OEM tires. Valid vehicles are [TBD]

### Test 4.09: Runflat question (no)

#### User Story:

Given I have selected a vehicle with both runflats and non-runflats  
Then I should see the question “Do you have runflats?” on the verify page  
And I should not be able to continue  
When I select no  
And I click next  
Then I should be on the verify page  
And it should say “Runflats: no”   
When I continue on to the product page  
Then I should not see runflat tires displayed

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the year, make, model, trim, and option (if applicable) for the chosen vehicle (see data)
5. Click “Next”
6. Verify that the vehicle selected appears on the Verify page according to the data input
7. Verify that the runflat question is displayed
8. Verify that the “Next” button is disabled
9. Select “no” to the runflat question
10. Verify that the “Next” button is now enabled
11. Continue through the purchase funnel, choosing any options, until the Product page is reached
12. Verify that no products displayed have runflat capability

#### Data:

This test scenario requires a vehicle with both runflat and non-runflat OEM tires. Valid vehicles are [TBD]

### Test 4.10: Staggered question (yes)

#### User Story:

Given I have selected a vehicle with both loose fitments and staggereds  
Then I should see the question “Is your front tire a different size than your back tire?”  
And I should not be able to continue  
When I select yes  
And I click next  
Then I should be on the verify page  
And it should show me a staggered size   
When I continue on to the product page  
Then I should see staggered tires

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the year, make, model, trim, and option (if applicable) for the chosen vehicle (see data)
5. Click “Next”
6. Verify that the vehicle selected appears on the Verify page according to the data input
7. Verify that the Staggered Fitment question appears on the Verify page
8. Verify that the “Next” button is disabled
9. Select “yes” on the Staggered question
10. Verify that the “Next” button is now enabled
11. Click “Next”
12. Verify that the staggered size is displayed on the Verify page
13. Continue through the purchase funnel, choosing any options, until the Product page is reached
14. Verify that all products shown are staggered sets

#### Data:

This test scenario requires a vehicle with both staggered and square fitments. Valid vehicles are [TBD]

### Test 4.11: Staggered question (yes)

#### User Story:

Given I have selected a vehicle with both loose fitments and staggereds  
Then I should see the question “Is your front tire a different size than your back tire?”  
And I should not be able to continue  
When I select no  
And I click next  
Then I should be on the verify page  
And it should show me a regular size   
When I continue on to the product page  
Then I should see single tires displayed

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the year, make, model, trim, and option (if applicable) for the chosen vehicle (see data)
5. Click “Next”
6. Verify that the vehicle selected appears on the Verify page according to the data input
7. Verify that the Staggered Fitment question appears on the Verify page
8. Verify that the “Next” button is disabled
9. Select “no” on the Staggered question
10. Verify that the “Next” button is now enabled
11. Click “Next”
12. Verify that the single size is displayed on the Verify page
13. Continue through the purchase funnel, choosing any options, until the Product page is reached
14. Verify that all products shown are single tires

#### Data:

This test scenario requires a vehicle with both staggered and square fitments. Valid vehicles are [TBD]

## Feature 5: Verification Page By Size

As a poor typist  
I want to be sure that I entered the right information  
So that I don’t buy the wrong size tires

### Test 5.01: Runflat question (yes)

#### User Story:

Given I have selected a size with both runflats and non-runflats  
Then I should see the question “Do you have runflats?” on the verify page  
And I should not be able to continue  
When I select yes  
And I click next  
Then I should be on the verify page  
And it should say “Runflats: yes”   
When I continue on to the product page  
Then I should see runflat tires displayed

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the size on the “Search by size” tab (see data)
5. Click “Next”
6. Verify that the vehicle selected appears on the Verify page according to the data input
7. Verify that the runflat question is displayed
8. Verify that the “Next” button is disabled
9. Select “yes” to the runflat question
10. Verify that the “Next” button is now enabled
11. Continue through the purchase funnel, choosing any options, until the Product page is reached
12. Verify that all products displayed have runflat capability

#### Data:

This test scenario requires a size with both runflat and non-runflat OEM tires. Valid sizes are [TBD]

### Test 5.02: Runflat question (no)

#### User Story:

Given I have selected a vehicle with both runflats and non-runflats  
Then I should see the question “Do you have runflats?” on the verify page  
And I should not be able to continue  
When I select no  
And I click next  
Then I should be on the verify page  
And it should say “Runflats: no”   
When I continue on to the product page  
Then I should not see runflat tires displayed

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the size on the “Search by size” tab (see data)
5. Click “Next”
6. Verify that the vehicle selected appears on the Verify page according to the data input
7. Verify that the runflat question is displayed
8. Verify that the “Next” button is disabled
9. Select “no” to the runflat question
10. Verify that the “Next” button is now enabled
11. Continue through the purchase funnel, choosing any options, until the Product page is reached
12. Verify that no products displayed have runflat capability

#### Data:

This test scenario requires a size with both runflat and non-runflat OEM tires. Valid sizes are [TBD]

### Test 5.03: Staggered question (yes)

#### User Story:

Given I have selected a size which can be part of a staggered set  
Then I should see the question “Is your front tire a different size than your back tire?”  
And I should not be able to continue  
When I select yes  
And I click next  
Then I should be on the verify page  
And it should show me a staggered size   
When I continue on to the product page  
Then I should see staggered tires

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the size on the “Search by size” tab (see data)
5. Click “Next”
6. Verify that the vehicle selected appears on the Verify page according to the data input
7. Verify that the Staggered Fitment question appears on the Verify page
8. Verify that the “Next” button is disabled
9. Select “yes” on the Staggered question
10. Verify that the “Next” button is now enabled
11. Click “Next”
12. Verify that the staggered size is displayed on the Verify page
13. Continue through the purchase funnel, choosing any options, until the Product page is reached
14. Verify that all products shown are staggered sets

#### Data:

This test scenario requires a size which can be part of both a square and a staggered fitment. Valid sizes are [TBD]

### Test 5.04: Staggered question (yes)

#### User Story:

Given I have selected a size which can be part of a staggered fitment  
Then I should see the question “Is your front tire a different size than your back tire?”  
And I should not be able to continue  
When I select no  
And I click next  
Then I should be on the verify page  
And it should show me a regular size   
When I continue on to the product page  
Then I should see single tires displayed

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the year, make, model, trim, and option (if applicable) for the chosen vehicle (see data)
5. Click “Next”
6. Verify that the vehicle selected appears on the Verify page according to the data input
7. Verify that the Staggered Fitment question appears on the Verify page
8. Verify that the “Next” button is disabled
9. Select “no” on the Staggered question
10. Verify that the “Next” button is now enabled
11. Click “Next”
12. Verify that the single size is displayed on the Verify page
13. Continue through the purchase funnel, choosing any options, until the Product page is reached
14. Verify that all products shown are single tires

#### Data:

This test scenario requires a size that can be part of a staggered and a square fitment. Valid sizes are [TBD]

## Feature 6: Dealership Information

As an end user  
I want information about my upcoming visit  
So I can plan accordingly

### Test 6.01: Tire availability

#### User Story:

Given that I have selected a vehicle  
And my location maps to a dealership that is open 2 business days from now  
When I reach the Verify page  
Then I should see the text “You could have them installed as early as” followed by a date  
And the date should be 2 business days from now

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that the earliest available date is two business days from now

#### Data:

[TBD]

#### Automation Note:

This test case cannot be automated until data setups are resolved, due to technical limitations.

#### Note:

This test case has not yet been updated for the X-time integration project. It may be outdated.

### Test 6.02: Tire availability around holidays

#### User Story:

Given that I have selected a vehicle  
And my location maps to a dealership that is not open 2 business days from now  
When I reach the Verify page  
Then I should see the text “You could have them installed as early as” followed by a date  
And the date should be later than 2 business days from now

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that the earliest available date is later than two business days from now

#### Data:

[TBD]

#### Automation Note:

This test case cannot be automated until data setups are resolved, due to technical limitations.

#### Note:

This test case has not yet been updated for the X-time integration project. It may be outdated.

### Test 6.03: No amenities

#### User Story:

Given that I have selected a vehicle  
And I have been assigned a dealer with no amenities at all  
When I reach the Verify page  
Then I should not see a list of amenities

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that no amenities appear in the list

#### Data:

[TBD]

#### Automation Note:

This test case cannot be automated until data setups are resolved, due to technical limitations.

### Test 6.04: Carwash

#### User Story:

Given that I have been assigned a dealership with a car wash   
And I am on the verify page  
Then I should see a list of amenities   
And it should contain “Carwash” on the left column

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that the Carwash is being offered

#### Data:

[TBD]

### Test 6.05: Loaner Car

#### User Story:

Given that I have been assigned a dealership with a loaner car   
And I am on the verify page  
Then I should see a list of amenities   
And it should contain “Loaner Car” on the left column

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that the Loaner Car is being offered

#### Data:

[TBD]

#### Note:

This test case has not yet been updated for the X-time integration project. It may be outdated.

### Test 6.06: Valet

#### User Story:

Given that I have been assigned a dealership with a valet service   
And I am on the verify page  
Then I should see a list of amenities   
And it should contain “Valet” on the left column

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that the Valet is being offered

#### Data:

[TBD]

#### Note:

This test case has not yet been updated for the X-time integration project. It may be outdated.

### Test 6.07: Shuttle Service

#### User Story:

Given that I have been assigned a dealership with a shuttle service   
And I am on the verify page  
Then I should see a list of amenities   
And it should contain “Shuttle Service” on the left column

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that the Shuttle Service is being offered

#### Data:

[TBD]

#### Note:

This test case has not yet been updated for the X-time integration project. It may be outdated.

### Test 6.08: Coffee/Snack Bar

#### User Story:

Given that I have been assigned a dealership with a coffee and snack bar   
And I am on the verify page  
Then I should see a list of amenities   
And it should contain “Coffee/Snack Bar” on the left column

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that the Coffee/Snack Bar is being offered

#### Data:

[TBD]

### Test 6.09: Wifi

#### User Story:

Given that I have been assigned a dealership with wifi  
And I am on the verify page  
Then I should see a list of amenities   
And it should contain “Wifi” on the right column

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that the Wifi is being offered

#### Data:

[TBD]

### Test 6.10: TV Lounge

#### User Story:

Given that I have been assigned a dealership with a TV Lounge   
And I am on the verify page  
Then I should see a list of amenities   
And it should contain “TV Lounge” on the right column

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that the TV Lounge is being offered

#### Data:

[TBD]

### Test 6.11: Multi-point Safety Inspection

#### User Story:

Given that I have been assigned a dealership with multi-point safety inspections   
And I am on the verify page  
Then I should see a list of amenities   
And it should contain “Multi Point Safety Inspection” on the right column

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that the safety inspections are being offered

#### Data:

[TBD]

### Test 6.12: No Carwash

#### User Story:

Given that I have been assigned a dealership with no car wash   
And I am on the verify page  
Then I should see a list of amenities   
And it should contain not “Carwash” on the left column

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that the Carwash is not being offered

#### Data:

[TBD]

### Test 6.13: No Loaner Car

#### User Story:

Given that I have been assigned a dealership with no loaner car   
And I am on the verify page  
Then I should see a list of amenities   
And it should not contain “Loaner Car” on the left column

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that the Loaner Car is not being offered

#### Data:

[TBD]

#### Note:

This test case has not yet been updated for the X-time integration project. It may be outdated.

### Test 6.14: No Valet

#### User Story:

Given that I have been assigned a dealership with no valet service   
And I am on the verify page  
Then I should see a list of amenities   
And it should not contain “Valet” on the left column

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that the Valet is not being offered

#### Data:

[TBD]

#### Note:

This test case has not yet been updated for the X-time integration project. It may be outdated.

### Test 6.15: Shuttle Service

#### User Story:

Given that I have been assigned a dealership with no shuttle service   
And I am on the verify page  
Then I should see a list of amenities   
And it should not contain “Shuttle Service” on the left column

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that the Shuttle Service is not being offered

#### Data:

[TBD]

#### Note:

This test case has not yet been updated for the X-time integration project. It may be outdated.

### Test 6.16: Coffee/Snack Bar

#### User Story:

Given that I have been assigned a dealership without a coffee and snack bar   
And I am on the verify page  
Then I should see a list of amenities   
And it should not contain “Coffee/Snack Bar” on the left column

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that the Coffee/Snack Bar is not being offered

#### Data:

[TBD]

### Test 6.17: Wifi

#### User Story:

Given that I have been assigned a dealership without wifi  
And I am on the verify page  
Then I should see a list of amenities   
And it should not contain “Wifi” on the right column

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that the Wifi is not being offered

#### Data:

[TBD]

### Test 6.18: TV Lounge

#### User Story:

Given that I have been assigned a dealership with no TV Lounge  
And I am on the verify page  
Then I should see a list of amenities   
And it should not contain “TV Lounge” on the right column

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that the TV Lounge is not being offered

#### Data:

[TBD]

### Test 6.19: Multi-point Safety Inspection

#### User Story:

Given that I have been assigned a dealership without multi-point safety inspections   
And I am on the verify page  
Then I should see a list of amenities   
And it should not contain “Multi Point Safety Inspection” on the right column

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code that corresponds to the dealer being used (see data)
3. Click “Next”
4. Enter any vehicle of the appropriate make for the dealer being used (see data)
5. Click “Next”
6. Verify that the safety inspections are not being offered

#### Data:

[TBD]

# Your Need

## Feature 7: Tire Coach

As someone who knows little about tires  
I want personalized recommendations about what products to buy  
So that I can be sure I buy the right ones

### Test 7.01: Non-Truck Options List

#### User Story:

Given that I have selected a non-truck vehicle  
When I reach the tire coach page  
Then I should see the miles select  
And I should see the weather select  
And the weather averages should be collapsed  
And I should see the driving style select  
But I should not see the truck options select

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the vehicle being used (see data)
5. Click “Next”
6. Verify that the basic three selects are present (miles, weather, driving style)
7. Verify that the weather averages is collapsed by default
8. Verify that the truck options select is not present

#### Data:

This test scenario requires a vehicle that is not counted as a “truck” by the Tire Coach engine. Valid vehicles include [TBD]

### Test 7.02: Truck Options List

#### User Story:

Given that I have selected a truck  
When I reach the tire coach page  
Then I should see the miles select  
And I should see the weather select  
And the weather averages should be collapsed  
And I should see the driving style select  
And I should see the truck options select

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the vehicle being used (see data)
5. Click “Next”
6. Verify that the basic three selects are present (miles, weather, driving style)
7. Verify that the weather averages is collapsed by default
8. Verify that the truck options select is present

#### Data:

This test scenario requires a vehicle that is counted as a “truck” by the Tire Coach engine. Valid vehicles include [TBD]

### Test 7.03: Dallas defaults

#### User Story:

Given I have entered a zip code in Dallas  
And I have selected a non-truck vehicle  
When I reach the tire coach page  
Then the miles select should default to 10k-15k  
And the weather select should default to “Occasional Rain”  
And the driving style select should default to “Typical”

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code in the Dallas area (see data)
3. Click “Next”
4. Enter the vehicle being used (see data)
5. Click “Next”
6. Verify that miles select has defaulted to “10-15k”
7. Verify that the weather select has defaulted to “Occasional Rain”
8. Verify that the driving style select has defaulted to “Typical”

#### Data:

This test scenario requires a zip code that is considered part of the Dallas area. Sample zip codes: 75087, 75062

This test scenario requires a vehicle that is not counted as a “truck” by the Tire Coach engine. Valid vehicles include [TBD]

### Test 7.04: Dallas defaults (truck)

#### User Story:

Given I have entered a zip code in Dallas  
And I have selected a truck   
When I reach the tire coach page  
Then the miles select should default to 10k-15k  
And the weather select should default to “Occasional Rain”  
And the driving style select should default to “Typical”  
And the truck options should default to none selected

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code in the Dallas area (see data)
3. Click “Next”
4. Enter the vehicle being used (see data)
5. Click “Next”
6. Verify that miles select has defaulted to “10-15k”
7. Verify that the weather select has defaulted to “Occasional Rain”
8. Verify that the driving style select has defaulted to “Typical”
9. Verify that the truck options select has defaulted to no selection

#### Data:

This test scenario requires a zip code that is considered part of the Dallas area. Sample zip codes: 75087, 75062

This test scenario requires a vehicle that is counted as a “truck” by the Tire Coach engine. Valid vehicles include [TBD]

### Test 7.05: Cleveland defaults

#### User Story:

Given I have entered a zip code in Cleveland  
And I have selected a non-truck vehicle  
When I reach the tire coach page  
Then the miles select should default to 10k-15k  
And the weather select should default to “Snow, Rain, Ice”  
And the driving style select should default to “Typical”

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code in the Cleveland area (see data)
3. Click “Next”
4. Enter the vehicle being used (see data)
5. Click “Next”
6. Verify that miles select has defaulted to “10-15k”
7. Verify that the weather select has defaulted to “Snow, Rain, Ice”
8. Verify that the driving style select has defaulted to “Typical”

#### Data:

This test scenario requires a zip code that is considered part of the Cleveland area. Sample zip codes: 44321, 44223

This test scenario requires a vehicle that is not counted as a “truck” by the Tire Coach engine. Valid vehicles include [TBD]

### Test 7.06: Cleveland defaults (truck)

#### User Story:

Given I have entered a zip code in Cleveland  
And I have selected a truck   
When I reach the tire coach page  
Then the miles select should default to 10k-15k  
And the weather select should default to “Snow, Rain, Ice”  
And the driving style select should default to “Typical”  
And the truck options should default to none selected

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code in the Cleveland area (see data)
3. Click “Next”
4. Enter the vehicle being used (see data)
5. Click “Next”
6. Verify that miles select has defaulted to “10-15k”
7. Verify that the weather select has defaulted to “Snow, Rain, Ice”
8. Verify that the driving style select has defaulted to “Typical”
9. Verify that the truck options select has defaulted to no selection

#### Data:

This test scenario requires a zip code that is considered part of the Cleveland area. Sample zip codes: 44321, 44223

This test scenario requires a vehicle that is counted as a “truck” by the Tire Coach engine. Valid vehicles include [TBD]

### Test 7.07: Back Button

#### User Story:

Given that I have selected a vehicle  
When I click back on the Tire Coach page  
Then I should be on the Verify page

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter any valid vehicle
5. Click “Next” on both the Vehicle and Verify pages
6. On the Tire Coach page, click “Back”
7. Verify that the “Verify” page is displayed

#### Data:

None

### Test 7.08: Next Button

#### User Story:

Given that I have selected a vehicle  
When I click next on the Tire Coach page  
Then I should be on the Product page

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter any valid vehicle
5. Click “Next” on both the Vehicle and Verify pages
6. On the Tire Coach page, click “Next”
7. Verify that the product list is displayed

#### Data:

Certain data combinations make this test case invalid. They include:

* Selecting a vehicle that has a Winter Tire package and selecting the appropriate weather conditions in the Tire Coach
* [TBD]

## Feature 8: Winter Tires

As someone who drives in snow  
I want to see winter tires   
So that I can buy the right tires for my climate

As someone without snow in my area  
I don’t want to see winter tires ever  
So that I don’t have to scroll past them to find the right tires

### Test 8.01: No winter tires when sunny

#### User Story:

Given that I have selected a vehicle  
When I select “Hot and Sunny” for my weather in the Tire Coach  
Then I should not see any winter tires in the Product list

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter any valid vehicle
5. Continue until the Tire Coach page is reached
6. Select “Hot and Sunny” in the Weather select
7. Click “Next”
8. Verify that no winter questions appear; you should be on the Product page
9. Verify that no winter tires appear in the Product page
10. Verify that no “Winter tire” filter appears in the filters list

#### Data:

Any

### Test 8.02: No winter tires when rainy

#### User Story:

Given that I have selected a vehicle  
When I select “Occasional Rain” for my weather in the Tire Coach  
Then I should not see any winter tires in the Product list

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter any valid vehicle
5. Continue until the Tire Coach page is reached
6. Select “Occasional Rain” in the Weather select
7. Click “Next”
8. Verify that no winter questions appear; you should be on the Product page
9. Verify that no winter tires appear in the Product page
10. Verify that no “Winter tire” filter appears in the filters list

#### Data:

Any

### Test 8.03: No winter tires when frequently rainy

#### User Story:

Given that I have selected a vehicle  
When I select “Frequent Rain” for my weather in the Tire Coach  
Then I should not see any winter tires in the Product list

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter any valid vehicle
5. Continue until the Tire Coach page is reached
6. Select “Frequent Rain” in the Weather select
7. Click “Next”
8. Verify that no winter questions appear; you should be on the Product page
9. Verify that no winter tires appear in the Product page
10. Verify that no “Winter tire” filter appears in the filters list

#### Data:

Any

### Test 8.04: No winter tires available

#### User Story:

Given that I have selected a vehicle without winter tires  
When I select “Snow, Rain, Ice” for my weather in the Tire Coach  
Then I should not see any winter tires in the Product list

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Tire Coach page is reached
6. Select “Snow, Rain, Ice” in the Weather select
7. Click “Next”
8. Verify that no winter questions appear; you should be on the Product page
9. Verify that no winter tires appear in the Product page
10. Verify that no “Winter tire” filter appears in the filters list

#### Data:

This scenario requires a vehicle for which winter tires are not available. Valid vehicles include [TBD]

### Test 8.05: Winter tires available

#### User Story:

Given that I have selected a vehicle with winter tires  
When I select “Snow, Rain, Ice” for my weather in the Tire Coach  
Then I should see winter tires in the Product list  
But they should not be recommended to me

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Tire Coach page is reached
6. Select “Extreme Winter Weather” in the Weather select
7. Click “Next”
8. Verify that no winter questions appear; you should be on the Product page
9. Verify that winter tires appear in the Product page
10. Verify that the “Winter tire” filter appears in the filters list
11. Verify that none of the recommended tires are winter tires

#### Data:

This scenario requires a vehicle for which winter tires are available. Valid vehicles include [TBD]

### Test 8.06: Extreme weather question (yes)

#### User Story:

Given that I have selected a vehicle with winter tires  
When I select “Extreme Winter Weather” for my weather in the Tire Coach  
Then I should be asked if I want to see winter tires recommended   
When I select “yes”  
Then I should see winter tires in the product list

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Tire Coach page is reached
6. Select “Extreme Winter Weather” in the Weather select
7. Click “Next”
8. Verify that the winter tire question appears
9. Select “yes” and click “Next”
10. Verify that winter tires appear in the Product page
11. Verify that the “Winter tire” filter appears in the filters list
12. Verify that all of the recommended tires are winter tires

#### Data:

This scenario requires a vehicle for which winter tires are available. Valid vehicles include [TBD]

### Test 8.07: Extreme weather question (no)

#### User Story:

Given that I have selected a vehicle with winter tires  
When I select “Extreme Winter Weather” for my weather in the Tire Coach  
Then I should be asked if I want to see winter tires recommended   
When I select “no”  
Then I should not see winter tires in the product list

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Tire Coach page is reached
6. Select “Snow, Rain, Ice” in the Weather select
7. Click “Next”
8. Verify that the winter tire question appears
9. Select “no” and click “Next”
10. Verify that no winter tires appear in the Product page
11. Verify that no “Winter tire” filter appears in the filters list
12. Verify that none of the recommended tires are winter tires

#### Data:

This scenario requires a vehicle for which winter tires are available. Valid vehicles include [TBD]

### Test 8.08: Winter tire package

#### User Story:

Given I have selected a vehicle with no winter ties  
But with an extreme winter wheel package  
When I select “Extreme Winter Weather” for my weather in the Tire Coach  
Then I should be on the Extreme Winter Wheel package screen  
And I should be advised to call for details  
When I select “Next”  
Then I should not see winter tires in the product list

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Tire Coach page is reached
6. Select “Extreme Winter Weather” in the Weather select
7. Click “Next”
8. Verify that the winter tire package screen appears instructing the user to call Carline Services
9. Click “Next”
10. Verify that no winter tires appear in the Product page
11. Verify that no “Winter tire” filter appears in the filters list
12. Verify that none of the recommended tires are winter tires

#### Data:

This scenario requires a vehicle for which winter tires are not available, but for which a winter package is available. Valid vehicles include [TBD]

# Your Tire

## Feature 9: Product Sorting and Filtering

As a busy expert user  
I want to be able to filter and sort the products  
So that I can find what I’m looking for faster

### Test 9.01: Recommended Tires filter

#### User Story:

Given that I have selected a vehicle   
When I reach the product page  
Then the first three tires should be recommended tires  
When I click the “Recommended” button  
Then only recommended tires should appear

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Product page is reached
6. Verify that the first three tires in the list are Recommended
7. Click the “Recommended” filter
8. Verify that all non-recommended tires are removed from the product list

#### Data:

This scenario requires a vehicle for that has more than 3 tires available. Valid vehicles include [TBD]

### Test 9.02: Promotional Tires filter

#### User Story:

Given that I have selected a vehicle with tires on promotion  
And I am on the product page  
When I click the “special offer” filter  
Then only promotion tires should appear  
And they should be sorted by price low-high  
With a secondary sort of alphabetical

#### Precondition

Before this test can run, one or more promotions must be running for tires that fit the given vehicle. This can be arranged using the following procedure:

1. [TBD]

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Product page is reached
6. Verify that tires with special offers appear in the list
7. Click the “special offer” filter
8. Verify that only special offer tires appear in the list
9. Verify that they are sorted in price order, lowest on top
10. Verify that for any two tires with the same price, they are sorted in alphabetical order

#### Data:

This scenario requires a vehicle for that has more than 3 tires available. Valid vehicles include [TBD]

### Test 9.03: Filter by OEM Tires

#### User Story:

Given that I have selected a vehicle  
And I am on the product page  
When I click the “original equipment” filter  
Then only OEM fitment tires should appear  
And they should be sorted by price low-high  
With a secondary sort of alphabetical

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Product page is reached
6. Verify that tires with the OEM fitment designator appear in the list
7. Click the “original equipment” filter
8. Verify that only OEM fitment tires appear in the list
9. Verify that they are sorted in price order, lowest on top
10. Verify that for any two tires with the same price, they are sorted in alphabetical order

#### Data:

This scenario requires a vehicle with OEM fitment tires as well as non-OEM fitment tires. Valid vehicles include [TBD]

### Test 9.04: Filter by Winter Tires

#### User Story:

Given that I have selected a vehicle with Winter tires  
And I have selected “Snow, Rain, Ice” or “Extreme Winter Weather” on the Tire Coach page  
And I am on the product page  
When I click the “winter tires” filter  
Then only winter tires should appear  
And they should be sorted by price low-high  
With a secondary sort of alphabetical

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Product page is reached
6. Verify that tires with the “winter tire” designator appear in the list
7. Click the “winter tires” filter
8. Verify that only winter tires appear in the list
9. Verify that they are sorted in price order, lowest on top
10. Verify that for any two tires with the same price, they are sorted in alphabetical order

#### Data:

This scenario requires a vehicle with winter tires. Valid vehicles include [TBD]

### Test 9.05: Sort Alphabetically

#### User Story:

Given that I am on the product page  
When I click the “A-Z” button  
Then the tires should be sorted alphabetically in ascending order  
When I click the “Z-A” button  
Then the tires should be sorted alphabetically in descending order

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Product page is reached
6. Click the “Sort by: A-Z” button
7. Verify that the tires are sorted alphabetically, A first
8. Click the “Sort by: Z-A” button
9. Verify that the tires are sorted alphabetically, Z first

#### Data:

This scenario requires a vehicle with at least 2 search results, preferably 5 or more. Valid vehicles include [TBD]

### Test 9.06: Sort by price

#### User Story:

Given that I am on the product page  
When I click the “Price: Low to High” button  
Then the tires should be sorted alphabetically in ascending order  
When I click the “Price: High to Low” button  
Then the tires should be sorted alphabetically in descending order

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Product page is reached
6. Click the “Sort by: Price: Low to High” button
7. Verify that the tires are sorted by price, cheapest first
8. Click the “Sort by: Price: High to Low” button
9. Verify that the tires are sorted by price, most expensive first

#### Data:

This scenario requires a vehicle with at least 2 search results, preferably 5 or more. Valid vehicles include [TBD]

### Test 9.07: Sort by treadlife warranty

#### User Story:

Given that I am on the product page  
When I click “Treadlife Warranty  
Then the tires should be sorted by treadlife distance high-low

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Product page is reached
6. Click the “Sort by: Treadlife Warranty” button
7. Verify that the tires are sorted by distance on the treadlife warranty, most miles first

#### Data:

This scenario requires a vehicle with at least 2 search results, preferably 5 or more. Valid vehicles include [TBD]

## Feature 10: Compare Tires

As someone who isn’t sure what I want  
I want to be able to compare products  
So that I can easily tell them apart

### Test 10.01: Single Tire Comparison

#### User Story:

Given that I have selected a vehicle  
And I am on the product page  
When I select one tire to compare  
Then I should see that tire’s details on the compare page

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Product page is reached
6. Click the “add to compare” check box beside any one product
7. Verify that the floating comparison thumbnail widget appears
8. Verify that the image of that tire is added to the widget
9. Click “Compare” on the widget
10. Verify that the comparison page appears
11. Verify that the selected tire’s details appear in the leftmost slot on the compare page
12. Verify that the remaining two slots are empty

#### Data:

Any

### Test 10.02: Two Tire Comparison

#### User Story:

Given that I have selected a vehicle  
And I am on the product page  
When I select one tire to compare  
And I select a second tire to compare  
Then I should see both tires’ details on the compare page

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Product page is reached
6. Click the “add to compare” check box beside any one product
7. Verify that the floating comparison thumbnail widget appears
8. Verify that the image of that tire is added to the widget
9. Click the “add to compare” check box beside a second product
10. Verify that the image of that tire is added to the widget
11. Click “Compare” on the widget
12. Verify that the comparison page appears
13. Verify that the first selected tire’s details appear in the leftmost slot on the compare page
14. Verify that the second selected tire’s details appear in the second slot on the compare page
15. Verify that the remaining slot is empty

#### Data:

This scenario requires a vehicle with at least two tires. Most will do.

### Test 10.03: Three Tire Comparison

#### User Story:

Given that I have selected a vehicle  
And I am on the product page  
When I select one tire to compare  
And I select a second tire to compare  
And I select a third tire to compare  
Then I should see all three tires’ details on the compare page

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Product page is reached
6. Click the “add to compare” check box beside any one product
7. Verify that the floating comparison thumbnail widget appears
8. Verify that the image of that tire is added to the widget
9. Click the “add to compare” check box beside a second product
10. Verify that the image of that tire is added to the widget
11. Click the “add to compare” check box beside a third product
12. Verify that the image of that tire is added to the widget
13. Click “Compare” on the widget
14. Verify that the comparison page appears
15. Verify that the first selected tire’s details appear in the leftmost slot on the compare page
16. Verify that the second selected tire’s details appear in the second slot on the compare page
17. Verify that the third selected tire’s details appear in the rightmost slot on the compare page

#### Data:

This scenario requires a vehicle with at least three tires.

### Test 10.04: Four Tire Comparison warning

#### User Story:

Given that I have selected a vehicle  
And I am on the product page  
When I select four tires to compare  
Then I should see a modal telling me I have reached the maximum number of items to compare  
When I click “Compare now”  
Then I should see the first three tires’ details on the compare page

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Product page is reached
6. Click the “add to compare” check box beside any one product
7. Verify that the floating comparison thumbnail widget appears
8. Verify that the image of that tire is added to the widget
9. Click the “add to compare” check box beside a second product
10. Verify that the image of that tire is added to the widget
11. Click the “add to compare” check box beside a third product
12. Verify that the image of that tire is added to the widget
13. Click the “add to compare” check box beside a fourth product
14. Verify that an error modal appears informing you that only three tires can be compared
15. Click “Compare Now” on the modal
16. Verify that the comparison page appears
17. Verify that the first selected tire’s details appear in the leftmost slot on the compare page
18. Verify that the second selected tire’s details appear in the second slot on the compare page
19. Verify that the third selected tire’s details appear in the rightmost slot on the compare page

#### Data:

This scenario requires a vehicle with at least four tires.

### Test 10.05: Four Tire Comparison (back out)

#### User Story:

Given that I have selected a vehicle  
And I am on the product page  
When I select the compare checkbox on four tires  
Then I should see a modal telling me I have reached the maximum number of items to compare  
When I click “Continue shopping”  
Then the modal should vanish  
And I should be on the product page

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Product page is reached
6. Click the “add to compare” check box beside any one product
7. Verify that the floating comparison thumbnail widget appears
8. Verify that the image of that tire is added to the widget
9. Click the “add to compare” check box beside a second product
10. Verify that the image of that tire is added to the widget
11. Click the “add to compare” check box beside a third product
12. Verify that the image of that tire is added to the widget
13. Click the “add to compare” check box beside a fourth product
14. Verify that an error modal appears informing you that only three tires can be compared
15. Click “Continue shopping” on the modal
16. Verify that the comparison page does not appear

#### Data:

This scenario requires a vehicle with at least four tires.

### Test 10.05: Four Tire Comparison (close modal)

#### User Story:

Given that I have selected a vehicle  
And I am on the product page  
When I select the compare checkbox on four tires  
Then I should see a modal telling me I have reached the maximum number of items to compare  
When I click “Continue shopping”  
Then the modal should vanish  
And I should be on the product page

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Product page is reached
6. Click the “add to compare” check box beside any one product
7. Verify that the floating comparison thumbnail widget appears
8. Verify that the image of that tire is added to the widget
9. Click the “add to compare” check box beside a second product
10. Verify that the image of that tire is added to the widget
11. Click the “add to compare” check box beside a third product
12. Verify that the image of that tire is added to the widget
13. Click the “add to compare” check box beside a fourth product
14. Verify that an error modal appears informing you that only three tires can be compared
15. Click “[X]” on the modal
16. Verify that the comparison page does not appear

#### Data:

This scenario requires a vehicle with at least four tires.

### Test 10.06: Remove from compare (one item)

#### User Story:

Given that I have selected a vehicle  
And I am on the product page  
When I select the compare checkbox on one tire  
And I click the same checkbox again  
Then I should not see a floating thumbnail

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Product page is reached
6. Click the “add to compare” check box beside any one product
7. Verify that the floating comparison thumbnail widget appears
8. Verify that the image of that tire is added to the widget
9. Click the same checkbox again
10. Verify that the floating comparison widget vanishes

#### Data:

Any

### Test 10.07: Remove from compare (one of two items)

#### User Story:

Given that I have selected a vehicle   
When I select the compare checkbox on one tire on the product page  
And I select the compare checkbox on a second tire  
And I click the same compare checkbox again  
Then I should see a floating thumbnail  
And it should only have one image

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter the chosen vehicle (see data)
5. Continue until the Product page is reached
6. Click the “add to compare” check box beside any one product
7. Verify that the floating comparison thumbnail widget appears
8. Verify that the image of that tire is added to the widget
9. Click the “add to compare” check box beside any other product
10. Verify that the image of that tire is added to the widget
11. Click the same checkbox again
12. Verify that the floating comparison widget remains in place
13. Verify that only the first tire’s image remains in the comparison widget

#### Data:

This scenario requires a vehicle with at least two tires. Most will do.

### Test 10.08: Add from compare page (center slot)

#### User Story:

Given I have selected one tire to compare  
And I am on the compare page  
When I select another tire from the center dropdown  
Then I should see that tire’s details appear in the center pane  
When I click “remove” on the center pane’s tire  
Then I should not see any tire in the center pane

#### Precondition:

For this test, you should begin on the Compare page, with a single tire selected. To achieve this, follow the instructions in test 10.01 (ignoring the verification steps)

#### Procedure:

1. On the compare page, use the center dropdown to select any other tire
2. Verify that that tire’s information appears in the center pane
3. Click “remove” on the center panel
4. Verify that only the first tire remains.

#### Data:

This scenario requires a vehicle with at least two tires.

### Test 10.09: Add from compare page (right slot)

#### User Story:

Given I have selected one tire to compare  
And I am on the compare page  
When I select another tire from the center dropdown  
Then I should see that tire’s details appear in the center pane  
When I click “remove” on the center pane’s tire  
Then I should not see any tire in the center pane

#### Precondition:

For this test, you should begin on the Compare page, with a single tire selected. To achieve this, follow the instructions in test 10.01 (ignoring the verification steps)

#### Procedure:

1. On the compare page, use the rightmost slot’s dropdown to select any other tire
2. Verify that that tire’s information appears in the center pane
3. Use the rightmost slot’s dropdown to select a third tire
4. Verify that that tire’s information appears in the right pane
5. Click “remove” on the right panel
6. Verify that only the first two tires remain.

#### Data:

This scenario requires a vehicle with at least three tires.

### Test 10.10: Remove from compare page (left slot)

#### User Story:

Given I have selected three tires to compare  
And I am on the compare page  
When I click “remove” on the left pane’s tire  
Then I should see tire 2 in the left pane   
And I should see tire 3 in the center pane  
And I should not see any tire in the right pane

#### Precondition:

For this test, you should begin on the Compare page, with three tires selected. To achieve this, follow the instructions in test 10.03 (ignoring the verification steps)

#### Procedure:

1. Begin with three tires: Tire A in slot 1, Tire B in slot 2, Tire C in slot 3
2. On the compare page, click “remove” on the leftmost panel (slot 1)
3. Verify that Tire B is now in slot 1
4. Verify that Tire C is now in slot 2
5. Verify that slot 3 is empty

#### Data:

This scenario requires a vehicle with at least three tires.

### Test 10.11: Remove from compare page (center slot)

#### User Story:

Given I have selected three tires to compare  
And I am on the compare page  
When I click “remove” on the left pane’s tire  
Then I should see tire 2 in the left pane   
And I should see tire 3 in the center pane  
And I should not see any tire in the right pane

#### Precondition:

For this test, you should begin on the Compare page, with three tires selected. To achieve this, follow the instructions in test 10.03 (ignoring the verification steps)

#### Procedure:

1. Begin with three tires: Tire A in slot 1, Tire B in slot 2, Tire C in slot 3
2. On the compare page, click “remove” on the center panel (slot 2)
3. Verify that Tire A remains in slot 1
4. Verify that Tire C is now in slot 2
5. Verify that slot 3 is empty

#### Data:

This scenario requires a vehicle with at least three tires.

### Test 10.12: Price Changes

#### User Story:

Given I have selected three tires to compare  
And I am on the compare page  
When I change the quantity of any tire  
Then all three tires’ quantities should update  
And all three tires’ prices should update

#### Precondition:

For this test, you should begin on the Compare page, with three tires selected. To achieve this, follow the instructions in test 10.03 (ignoring the verification steps)

#### Procedure:

1. Begin with three tires: Tire A in slot 1, Tire B in slot 2, Tire C in slot 3
2. On the compare page, change the quantity of Tire A
3. Verify that Tire B’s quantity changes to the quantity you just selected
4. Verify that Tire C’s quantity changes to the quantity you just selected
5. Verify that the price for Tire B changed by the appropriate multiplier
6. Verify that the price for Tire C changed by the appropriate multiplier
7. Change the quantity of Tire B
8. Verify that Tire A’s quantity changes to the quantity you just selected
9. Verify that Tire C’s quantity changes to the quantity you just selected
10. Verify that the price for Tire A changed by the appropriate multiplier
11. Verify that the price for Tire C changed by the appropriate multiplier
12. Change the quantity of Tire C
13. Verify that Tire B’s quantity changes to the quantity you just selected
14. Verify that Tire A’s quantity changes to the quantity you just selected
15. Verify that the price for Tire B changed by the appropriate multiplier
16. Verify that the price for Tire A changed by the appropriate multiplier

#### Data:

This scenario requires a vehicle with at least three tires.

### Test 10.13: Back Button

#### User Story:

Given I am on the compare page  
When I click “Back to results”  
Then I should be on the product page

#### Precondition:

For this test, you should begin on the Compare page, with a single tire selected. To achieve this, follow the instructions in test 10.01 (ignoring the verification steps)

#### Procedure:

1. Click “Back to results”
2. Verify that you are now on the Product page

#### Data:

None

### Test 10.14: Select Button

#### User Story:

Given I am on the compare page  
And I have not selected a quantity  
When I click the “Select” button on a tire  
Then I should be on the Compare page  
And a pop-up should ask me how many tires I need  
When I select one or more tires  
And I click the “Select” button on a tire  
Then I should be on the Install page

#### Precondition:

For this test, you should begin on the Compare page, with a single tire selected. To achieve this, follow the instructions in test 10.01 (ignoring the verification steps)

#### Procedure:

1. Without selecting a quantity, click “Select” on the tire in the compare page
2. Verify that you have not navigated away
3. Verify that a popup appears asking how many tires you need
4. Select a quantity
5. Click “Select” again
6. Verify that you are taken to the Install page

#### Data:

None

## Feature 11: Details Page

As an expert user  
I want to be able to read details about the tire  
So that I know what I’m buying

### Test 11.01: Details button

#### User Story:

Given I am on the product page  
When I click the “details” link beside a tire  
Then I should be on the detail page  
And that tire should appear on the details page

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter a valid vehicle (see data)
5. Continue until the Product page is reached
6. Click the “details” link beside any product
7. Verify that the details page appears
8. Verify that the product clicked is on the details page and the information matches

#### Data:

Any

### Test 11.02: Tire Name

#### User Story:

Given I am on the product page  
When I click the name of a tire  
Then I should be on the detail page  
And that tire should appear on the details page

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter a valid vehicle (see data)
5. Continue until the Product page is reached
6. Click the name of any product
7. Verify that the details page appears
8. Verify that the product clicked is on the details page and the information matches

#### Data:

Any

### Test 11.03: Tire Picture

#### User Story:

Given I am on the product page  
When I click the picture of any product  
Then I should be on the detail page  
And that tire should appear on the details page

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter a valid vehicle (see data)
5. Continue until the Product page is reached
6. Click the picture beside any product
7. Verify that the details page appears
8. Verify that the product clicked is on the details page and the information matches

#### Data:

Any

### Test 11.04: Reviews

#### User Story:

Given I am on the product page  
And I am looking at a tire with reviews  
When I click the number beside “Reviews” for that tire  
Then I should be on the detail page  
And that tire should appear on the details page  
And I should be looking at the review section

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter a valid vehicle (see data)
5. Continue until the Product page is reached
6. Click the “details” link beside any product
7. Verify that the details page appears
8. Verify that the review section is visible in the viewport
9. Verify that the product clicked is on the details page and the information matches

#### Data:

The vehicle chosen must return products for which there are reviews on at least one tire. Valid vehicles are: [TBD]

### Test 11.05: First Review

#### User Story:

Given I am on the product page  
And I am looking at a tire with no reviews  
When I click the words “Be the first to write a review”  
Then I should be on the detail page  
And that tire should appear on the details page  
And I should be looking at the review section

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter a valid vehicle (see data)
5. Continue until the Product page is reached
6. Click the “Be the first to write a review” link beside any product
7. Verify that the details page appears
8. Verify that the review section is visible in the viewport
9. Verify that the product clicked is on the details page and the information matches

#### Data:

The vehicle chosen must return products for which there are not reviews on at least one tire. Valid vehicles are: [TBD]

### Test 11.06: Back Button

#### User Story:

Given I am on the details page  
When I click “Back to results”  
Then I should be on the product page

#### Precondition:

For this test, you should begin on the Details page. To achieve this, follow the instructions in test 11.01 (ignoring the verification steps)

#### Procedure:

1. Click “Back to results”
2. Verify that you are now on the Product page

#### Data:

None

### Test 11.07: Recommended Tire

#### User Story:

Given I am on the product page  
When I click the “details” link beside a recommended tire  
Then I should be on the detail page  
And that tire should appear on the details page  
And the tire should note that it is recommended

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter a valid vehicle (see data)
5. Continue until the Product page is reached
6. Click the “details” link beside any recommended product
7. Verify that the details page appears
8. Verify that the tire is listed as recommended

#### Data:

The vehicle chosen must return products that are recommended. Valid vehicles are: [TBD]

### Test 11.08: Non-recommended Tire

#### User Story:

Given I am on the product page  
When I click the “details” link beside a non-recommended tire  
Then I should be on the detail page  
And that tire should appear on the details page  
And the tire should not note that it is recommended

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter a valid vehicle (see data)
5. Continue until the Product page is reached
6. Click the “details” link beside any non-recommended product
7. Verify that the details page appears
8. Verify that the tire is not listed as recommended

#### Data:

The vehicle chosen must return products that are not recommended, which means, in practice, at least four tires. Valid vehicles are: [TBD]

### Test 11.09: Seasonality: Winter

#### User Story:

Given I have chosen the options needed to see winter tires  
And I am on the product page   
When I click the “details” link beside a winter tire  
Then I should be on the details page  
And I should see “Winter” displayed

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter a valid vehicle (see data)
5. Continue until the Tire Coach page
6. Ensure that the weather chosen includes snow
7. Continue until the Product page is reached
8. Click the “details” link beside any winter product
9. Verify that the details page appears
10. Verify that the tire is listed as being rated for winter

#### Data:

The vehicle chosen must return winter tires. Valid vehicles are: [TBD]

### Test 11.10: Seasonality: Three-season

#### User Story:

Given I have searched and found products   
When I click the “details” link beside a 3-season tire  
Then I should be on the details page  
And I should see “Three-season” displayed

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter a valid vehicle (see data)
5. Continue until the Product page is reached
6. Click the “details” link beside any three-season product
7. Verify that the details page appears
8. Verify that the tire is listed as being rated for three seasons

#### Data:

The vehicle chosen must return 3-season tires. Valid vehicles are: [TBD]

### Test 11.11: Seasonality: all-season

#### User Story:

Given I have searched and found products   
When I click the “details” link beside an all-season tire  
Then I should be on the details page  
And I should see “All-season” displayed

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter a valid vehicle (see data)
5. Continue until the Product page is reached
6. Click the “details” link beside any all-season product
7. Verify that the details page appears
8. Verify that the tire is listed as being rated for all seasons

#### Data:

The vehicle chosen must return all-season tires. Valid vehicles are: [TBD]

### Test 11.12: Runflats

#### User Story:

Given I have selected a vehicle with runflat tires  
And I have searched and found products   
When I click the “details” link beside a runflat tire  
Then I should be on the details page  
And I should see “runflat” displayed

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter a valid vehicle (see data)
5. Continue until the Product page is reached
6. Click the “details” link beside any runflat product
7. Verify that the details page appears
8. Verify that the tire is listed as being runflat

#### Data:

The vehicle chosen must be able to use runflat tires. Valid vehicles are: [TBD]

## Feature 12: Add To Cart

As an end user  
I want to be able to buy tires  
So that they can be put on my vehicle

### Test 12.01: Select from product page

#### User Story:

Given I am on the product page  
And I have not selected a quantity  
When I click the “Select” button on a tire  
Then I should be on the product page  
And a pop-up should ask me how many tires I need  
When I select a quantity  
And I click the “Select” button on a tire  
Then I should be on the Install page

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter a valid vehicle (see data)
5. Continue until the Product page is reached
6. For any tire, without selecting a quantity, click “Select”
7. Verify that a pop-up appears asking how many tires are needed
8. Enter a quantity, then click “Select” again
9. Verify that the Install page appears.

#### Data:

Any

### Test 12.02: Select from details page

#### User Story:

Given I am on the details page  
And I have not selected a quantity  
When I click the “Select” button on a tire  
Then I should be on the details page  
And a pop-up should ask me how many tires I need  
When I select a quantity  
And I click the “Select” button on a tire  
Then I should be on the Install page

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter a valid vehicle (see data)
5. Continue until the Product page is reached
6. Click the “Details” link beside any product
7. For any tire, without selecting a quantity, click “Select”
8. Verify that a pop-up appears asking how many tires are needed
9. Enter a quantity, then click “Select” again
10. Verify that the Install page appears.

#### Data:

Any

# Your Installation

## Feature 13: Installation

As someone with strong opinions about local dealerships  
I want to be able to choose who puts on my tires  
So that I’m not stuck with service I don’t enjoy

### Test 13.01: Preselected Installer

#### User Story:

Given I have selected a product  
When I navigate to the installer page  
Then I should see the “Yes” radio button checked  
And I should be able to continue

#### Precondition:

For this test, a product must have been selected. To create this state, follow the following steps:

1. Navigate to Location page (/app/location)
2. Enter a valid zip code
3. Click “Next”
4. Enter a valid vehicle (see data)
5. Continue until the Product page is reached
6. Enter a quantity beside any product
7. Click “Select”

#### Procedure:

1. Verify that the Install page appears once the precondition is satisfied
2. Verify that the “Yes” radio button is checked
3. Verify that the “Next” button is enabled
4. Click “Next”
5. Verify that the Schedule button appears

#### Data:

Any

### Test 13.02: Same Installer

#### User Story:

Given I have selected a product   
When I navigate to the installer page  
And I click the “No” radio button  
Then I should see a modal appear for choosing a different installer  
When I select the same installer again  
And nothing on the page should change (same as where you started)

#### Precondition:

For this test, a product must have been selected. To create this state, follow the steps listed for the precondition for test 13.01

#### Procedure:

1. Verify that the Install page appears once the precondition is satisfied
2. Note what installer is suggested by the page
3. Click the “No” radio button
4. Verify that a modal appears
5. In the modal, click the first choice, “Select this installer”
6. Verify that the modal vanishes
7. Verify that the Install page has not changed

#### Data:

Any

### Test 13.03: Different Installer (Price change)

#### User Story:

Given I have selected a product   
When I navigate to the installer page  
And I click the “No” radio button  
Then I should see a modal appear for choosing a different installer  
When I select a new installer with a different price  
Then the page should inform me of the change in price

#### Precondition:

For this test, a product must have been selected. To create this state, follow the steps listed for the precondition for test 13.01

#### Procedure:

1. Verify that the Install page appears once the precondition is satisfied
2. Note what installer is suggested by the page
3. Click the “No” radio button
4. Verify that a modal appears
5. In the modal, select a different dealer (see data)
6. Verify that the modal vanishes
7. Verify that the Install page remains open
8. Verify that the text “Some dealers charge different prices for services they provide” appears
9. Verify that the text “New Total Price” appears
10. Verify that the total price has changed to match the new dealer

#### Data:

Two installers are required for this test scenario, and they must have different pricing for a given product. Valid dealer-product combinations are [TBD]

### Test 13.04: Increase Google Maps scope

#### User Story:

Given I have selected a product  
And I have selected “No” on the radio button on the Install page  
When I increase the distance dropdown  
Then the number of shown results on the Google Map should increase or stay the same

#### Precondition:

For this test, a product must have been selected. To create this state, follow the steps listed for the precondition for test 13.01

#### Procedure:

1. Verify that the Install page appears once the precondition is satisfied
2. Note what installer is suggested by the page
3. Click the “No” radio button
4. Verify that a modal appears
5. Increase the distance in the dropdown box on the modal
6. Verify that the map changes to reflect the new distance

#### Data:

Any

## Feature 14: Services

As a dealer  
I want to make it easy for customers to purchase add-on services  
So that I sell more of them

### Test 14.01: Tire with services

#### User Story:

Given I have selected a product  
And the dealership I have selected offers services  
Then I should be offered services during the checkout funnel  
When I add services to my order   
Then the price of those services should be added to my total  
When I check out  
Then I should see the services reflected in the confirmation page

#### Precondition:

For this test, a product must have been selected. To create this state, follow the steps listed for the precondition for test 13.01

#### Procedure:

1. Verify that the Install page appears once the precondition is satisfied
2. Note what installer is suggested by the page. If it is not the desired dealership, use the radio button and modal to select a different installer (as listed in test 13.03)
3. Note the total, then click “Next”
4. Verify that the services page appears
5. Verify that no services are checked by default
6. Choose a service and check the box next to it. Note the price.
7. Click “Next”
8. Verify that the price has been added to the total (adding the noted figures in steps 3 and 6)
9. Continue filling out the requested information until you reach the Confirmation page
10. Verify that the service and price are listed on the page correctly.

#### Data:

The dealership selected must offer services that are applicable to the product selected. Valid dealer-product combinations are [TBD]

### Test 14.02: Tire without services

#### User Story:

Given I have selected a product  
And the dealership I have selected offers services  
Then I should be offered services during the checkout funnel  
When I decline to add services to my order   
Then there should be no change in my order total  
When I check out  
Then I should not see any services reflected in the confirmation page

#### Precondition:

For this test, a product must have been selected. To create this state, follow the steps listed for the precondition for test 13.01

#### Procedure:

1. Verify that the Install page appears once the precondition is satisfied
2. Note what installer is suggested by the page. If it is not the desired dealership, use the radio button and modal to select a different installer (as listed in test 13.03)
3. Note the total, then click “Next”
4. Verify that the services page appears
5. Verify that no services are checked by default
6. Do not select a service.
7. Click “Next”
8. Verify that the price has not changed since step 3
9. Continue filling out the requested information until you reach the Confirmation page
10. Verify that no services are listed on the confirmation page

#### Data:

The dealership selected must offer services that are applicable to the product selected. Valid dealer-product combinations are [TBD]

### Test 14.03: Zero tires with services

#### User Story:

Given I have selected a product  
And I have added services to my order  
When I change the quantity of tires to 0  
Then I should still be able to check out  
And the confirmation page should show only services

#### Precondition:

For this test, a product must have been selected. To create this state, follow the steps listed for the precondition for test 13.01

#### Procedure:

1. Verify that the Install page appears once the precondition is satisfied
2. Note what installer is suggested by the page. If it is not the desired dealership, use the radio button and modal to select a different installer (as listed in test 13.03)
3. Note the total, then click “Next”
4. Verify that the services page appears
5. Verify that no services are checked by default
6. Choose a service and check the box next to it. Note the price.
7. Click “Next”
8. Verify that the price has been added to the total (adding the noted figures in steps 3 and 6)
9. On the Checkout page, change the tire quantity to 0
10. Verify that the price now matches the price of the service alone
11. Continue filling out the requested information until you reach the Confirmation page
12. Verify that the service and price are listed on the page correctly.
13. Verify that 0 tires are listed

#### Data:

The dealership selected must offer services that are applicable to the product selected. Valid dealer-product combinations are [TBD]

## Feature 15: Scheduling

As a busy person  
I want to be able to schedule appointments when they’re convenient  
So that I don’t have to miss work

### Test 15.01: Transportation amenities

#### User Story:

Given I have selected a vehicle with its default dealer  
And I know the dealer transportation amenities from the verify page  
When I navigate to the scheduling page  
Then I should see the correct radio amenity buttons or none (if there are no amenities)

#### Precondition:

For this test, a product must have been selected. To create this state, follow the steps listed for the precondition for test 13.01

#### Procedure:

1. Verify that the Install page appears once the precondition is satisfied
2. Click “Next”
3. If the service page appears, click “Next” again
4. Verify that the Schedule page appears
5. Verify that the known transportation amenities appear as options on the Scheduling page

#### Data:

The dealership selected must offer transportation amenities. Valid dealers are [TBD]

#### Note:

This test case has not been updated for X-time integration and is probably outdated

### Test 15.02: Schedule date and time

#### User Story:

Given I am on the scheduling page  
When I click the date box  
And select a date  
Then the time box should pop up  
When I choose a valid time  
Then I should be able to proceed to the next page

#### Precondition:

For this test, a product must have been selected. To create this state, follow the steps listed for the precondition for test 13.01

#### Procedure:

1. Verify that the Install page appears once the precondition is satisfied
2. Click “Next”
3. If the service page appears, click “Next” again
4. Verify that the Schedule page appears
5. Click the date textbox
6. Verify that the date scheduling widget appears
7. Use the widget to select a date
8. Verify that the time scheduling widget appears
9. Use the widget to select a valid timeslot
10. Verify that the “Next” button is now enabled
11. Click “Next”
12. Verify that the Checkout page appears

#### Data:

The dealership selected must offer transportation amenities. Valid dealers are [TBD]

#### Note:

This test case has not been updated for X-time integration and is probably outdated

## Feature 16: Checkout

As an end user  
I want to be able to pay for my tires up front  
So I don’t have to worry about it when they’re installed

### Test 16.01: Enter details

#### User Story:

Given I am on the checkout page  
When I enter valid information  
And I click Place Order  
Then I should be on the order confirmation page  
And the details I entered should appear

#### Precondition:

For this test, an appointment must have been created. To create this state, follow the steps listed for test 15.02, skipping verification steps

#### Procedure:

1. Begin on the Checkout page.
2. Enter customer name
3. Enter customer billing address
4. Enter a valid credit card number
5. Enter a valid email address
6. Click “Place Order”
7. Verify that the Order Confirmation page appears
8. Verify that all details exist as entered

#### Data:

The customer data must be valid. This can be achieved through use of testing tools in the demo or lower environment.

### Test 16.02: Reschedule

#### User Story:

Given I am on the checkout page  
When I change the appointment date and time  
And I complete the checkout process  
Then I should see the new date and time on the confirmation page

#### Precondition:

For this test, an appointment must have been created. To create this state, follow the steps listed for test 15.02, skipping verification steps

#### Procedure:

1. Begin on the Checkout page.
2. Click “Adjust/Change appointment”
3. Enter a new date and time using the widgets
4. Click “Update Appointment”
5. Verify that the updated appointment information appears on the Checkout page
6. Enter customer name
7. Enter customer billing address
8. Enter a valid credit card number
9. Enter a valid email address
10. Click “Place Order”
11. Verify that the Order Confirmation page appears
12. Verify that the new appointment information appears on the Confirmation page

#### Data:

The customer data must be valid. This can be achieved through use of testing tools in the demo or lower environment.

### Test 16.03: Change Quantity

#### User Story:

Given I am on the checkout page  
When I change the tire quantity  
Then the price should change to reflect the new quantity  
When I enter the rest of the page’s data  
And I click “Place Order”  
Then I should see the new quantity on the confirmation page  
And I should see the new price on the confirmation page

#### Precondition:

For this test, an appointment must have been created. To create this state, follow the steps listed for test 15.02, skipping verification steps

#### Procedure:

1. Begin on the Checkout page. Note the quantity and price.
2. Adjust the quantity widget to a different quantity
3. Verify that the price has changed to reflect the new quantity
4. Enter customer name
5. Enter customer billing address
6. Enter a valid credit card number
7. Enter a valid email address
8. Click “Place Order”
9. Verify that the Order Confirmation page appears
10. Verify that the new price and quantity appear correctly on the Confirmation page

#### Data:

The customer data must be valid. This can be achieved through use of testing tools in the demo or lower environment.

### Test 16.04: Go back (cancel)

#### User Story:

Given I am on the checkout page  
And I have entered data  
When I click the “Back” link  
Then I should see a modal appear  
When I click “Cancel”  
Then I should be on the checkout page  
And I should see my data still present

#### Precondition:

For this test, an appointment must have been created. To create this state, follow the steps listed for test 15.02, skipping verification steps

#### Procedure:

1. Begin on the Checkout page.
2. Enter customer name
3. Enter customer billing address
4. Enter a valid credit card number
5. Enter a valid email address
6. Click “Back”
7. Verify that a modal appears warning of lost information
8. Click “Cancel” on the modal
9. Verify that the Checkout page still appears
10. Verify that no information was removed from the page

#### Data:

Any

### Test 16.05: Go back (Services page)

#### User Story:

Given I have selected a dealership with services  
And I have entered data on the Checkout page  
When I click the “Back” link   
Then I should see a modal appear  
When I click “Continue”  
Then I should be on the services page

#### Precondition:

For this test, an appointment must have been created. To create this state, follow the steps listed for test 15.02, skipping verification steps. However, see the Data section for more information.

#### Procedure:

1. Begin on the Checkout page.
2. Enter customer name
3. Enter customer billing address
4. Enter a valid credit card number
5. Enter a valid email address
6. Click “Back”
7. Verify that a modal appears warning of lost information
8. Click “Continue” on the modal
9. Verify that the Services page appears
10. Verify that all selected Services appear on the Services page

#### Data:

For this test, services must have been selected; see test 14.01 for details on what data to use and what steps to perform to create this condition.

### Test 16.06: Go back (Scheduling)

#### User Story:

Given I have not selected any services  
And I have entered data on the Checkout page  
When I click the “Back” link  
Then I should see a modal appear  
When I click “Cancel”  
Then I should be on the scheduling page

#### Precondition:

For this test, an appointment must have been created. To create this state, follow the steps listed for test 15.02, skipping verification steps

#### Procedure:

1. Begin on the Checkout page.
2. Enter customer name
3. Enter customer billing address
4. Enter a valid credit card number
5. Enter a valid email address
6. Click “Back”
7. Verify that a modal appears warning of lost information
8. Click “Continuing” on the modal
9. Verify that the Scheduling page appears
10. Verify that the appointment information remains on the page

#### Data:

For this test, the dealership must not have services available. Valid dealer-product combinations include:

### Test 16.07: Invalid data

#### User Story:

Given I am on the checkout page  
When I enter invalid data  
Then I should see a validation error

#### Precondition:

For this test, an appointment must have been created. To create this state, follow the steps listed for test 15.02, skipping verification steps

#### Procedure:

1. Begin on the Checkout page.
2. Enter an invalid customer name
3. Verify that a validation error appears
4. Enter an invalid billing address
5. Verify that a validation error appears
6. Enter an invalid credit card number
7. Verify that a validation error appears
8. Enter an invalid email address
9. Verify that a validation error appears
10. Click “Place Order”
11. Verify that no order is placed due to validation errors

#### Data:

Invalid customer names include [TBD]

Invalid billing addresses include [TBD]. See also: Invalid zipcodes from test 1.05

A valid credit card number is at least 16 digits in length, and no more than 19. Letters and symbols are never allowed in credit card numbers. CVV codes are 3 or 4 digits in length; letters are not allowed here either, nor symbols.

Email addresses must have an ‘@’ symbol in them

# Pick Up Where You Left Off

## Feature 17: Pick Up Where You Left Off

As a distracted user  
I want to be able to come back to the site later  
So that I can finish my purchase

### Test 17.01: Verify Page

#### User Story:

Given I am on the verify page  
When I navigate away from the site  
And I return to the home page  
Then I should be able to resume my session

#### Precondition:

For this test, a vehicle must have been entered. To create this condition, see Test 2.04.

#### Procedure:

1. Begin on the Verify page.
2. Navigate away from the site, or close the browser window
3. Navigate back to the home page
4. Verify that a modal appears asking if you would like to pick up where you left off
5. Click “Yes”
6. Verify that you are once again on the Verify page
7. Verify that the information you entered is visible on the page.

#### Data:

Any.

### Test 17.02: Tire Coach Page

#### User Story:

Given I am on the Tire Coach page  
When I navigate away from the site  
And I return to the home page  
Then I should be able to resume my session

#### Precondition:

For this test, a vehicle must have been entered. To create this condition, see Test 7.01.

#### Procedure:

1. Begin on the Tire Coach page.
2. Navigate away from the site, or close the browser window
3. Navigate back to the home page
4. Verify that a modal appears asking if you would like to pick up where you left off
5. Click “Yes”
6. Verify that you are once again on the Tire Coach page.

#### Data:

Any.

### Test 17.03: Product Page

#### User Story:

Given I am on the verify page  
When I navigate away from the site  
And I return to the home page  
Then I should be able to resume my session

#### Precondition:

For this test, a product search must have been initiated. To create this condition, see Test 7.08.

#### Procedure:

1. Begin on the Product page.
2. Navigate away from the site, or close the browser window
3. Navigate back to the home page
4. Verify that a modal appears asking if you would like to pick up where you left off
5. Click “Yes”
6. Verify that you are once again on the Product page
7. Verify that the same products are suggested.

#### Data:

Any.

### Test 17.04: Installer Page

#### User Story:

Given I am on the Install page  
When I navigate away from the site  
And I return to the home page  
Then I should be able to resume my session

#### Precondition:

For this test, a product must have been selected. To create this condition, see Test 12.01.

#### Procedure:

1. Begin on the Installer page.
2. Navigate away from the site, or close the browser window
3. Navigate back to the home page
4. Verify that a modal appears asking if you would like to pick up where you left off
5. Click “Yes”
6. Verify that you are once again on the Installer page
7. Verify that the product selected is still selected
8. Verify that the installer previously suggested is suggested again.

#### Data:

Any.

### Test 17.05: Correct Vehicle

#### User Story:

Given I have selected a vehicle  
When I navigate away from the site  
And I return to the home page  
Then I should be able to resume with the same vehicle

#### Precondition:

For this test, a vehicle must have been entered. To create this condition, see Test 2.04.

#### Procedure:

1. Begin on the Verify page.
2. Navigate away from the site, or close the browser window
3. Navigate back to the home page
4. Verify that a modal appears asking if you would like to pick up where you left off
5. Verify that the vehicle selected appears in the modal correctly.

#### Data:

Any.

### Test 17.06: Correct Size

#### User Story:

Given I have searched by size  
When I navigate away from the site  
And I return to the home page  
Then I should be able to resume my session with the same size as before

#### Precondition:

For this test, a size must have been entered. To create this condition, see Test 3.11.

#### Procedure:

1. Begin on the Verify page.
2. Navigate away from the site, or close the browser window
3. Navigate back to the home page
4. Verify that a modal appears asking if you would like to pick up where you left off
5. Verify that the modal refers to the size previously entered

#### Data:

Any.

### Test 17.07: Start Over

#### User Story:

Given I have a previous session  
When I navigate away from the site  
And I return to the home page  
Then I should be able to restart my session

#### Precondition:

For this test, a vehicle must have been entered. To create this condition, see Test 2.04.

#### Procedure:

1. Begin on the Verify page.
2. Navigate away from the site, or close the browser window
3. Navigate back to the home page
4. Verify that a modal appears asking if you would like to pick up where you left off
5. Click “I would rather start over”
6. Verify that you are still on the Home page
7. Continue on to the Vehicle page
8. Verify that no vehicle has been entered on that page

#### Data:

Any.

### Test 17.08: Close modal

#### User Story:

Given I have a previous session  
When I navigate away from the site  
And I return to the home page  
Then I should be able to restart my session

#### Precondition:

For this test, a vehicle must have been entered. To create this condition, see Test 2.04.

#### Procedure:

1. Begin on the Verify page.
2. Navigate away from the site, or close the browser window
3. Navigate back to the home page
4. Verify that a modal appears asking if you would like to pick up where you left off
5. Click “[X]” to close the modal
6. Verify that you are still on the Home page
7. Continue on to the Vehicle page
8. Verify that no vehicle has been entered on that page

#### Data:

Any.

# Error Conditions

The user shall be informed when there are problems finding tires

## Feature 18: No Fitment

As someone with a strange tire size  
I want to know early on if you stock my tires or not  
So that I don’t waste my time

### Test 18.01: No fitment for vehicle

#### User Story:

When I select a vehicle with no fitments  
Then I should see a modal informing me that “we are having an issue finding tires for your vehicle”

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the year, make, model, and trim for the chosen vehicle (see data)
5. Click “Next”
6. Verify that a modal appears reading “We are having an issue finding tires for your vehicle”

#### Data:

For this test scenario, a vehicle must be chosen for which no fitment is valid in our catalog. Valid vehicles include: [TBD]

### Test 18.01: No fitment for size

#### User Story:

When I select a vehicle with no fitments  
Then I should see a modal informing me that “we are having an issue finding tires for your vehicle”

#### Procedure:

1. Navigate to Location page (/app/location)
2. Enter valid zip code in the zip code entry textbox
3. Click “Next”
4. Enter the size on the “Search by size” tab (see Data)
5. Click “Next”
6. Verify that a modal appears reading “We are having an issue finding tires for your vehicle”

#### Data:

For this test scenario, a size must be chosen for which no fitment is valid in our catalog. Valid sizes include: [TBD]

## Feature 19: Low inventory

As a customer  
I want to know early if there’s any chance my tires won’t be there  
So that I can go elsewhere

### Test 19.01: Low inventory

#### User Story:

Given the dealer I have been assigned has low stock in a product  
When I select that product  
Then I should be informed about the issue

#### Precondition:

For this test, a product search must have been initiated. To create this condition, see Test 7.08.

In addition, the stock for the chosen dealer and product must be low. To create this condition, see [TBD]

#### Procedure:

1. Begin on the Product page
2. Select more of that product than the dealer has in stock
3. Click “Select”
4. Verify that a modal appears reading informing you of the low stock condition

#### Data:

Any, but see preconditions.

### Test 19.02: Changing dealers with no inventory

#### User Story:

Given I am scheduling an appointment  
And a dealership near me does not stock a given tire  
When I select that dealership  
Then I should be shown a modal indicating that the tire is not available

#### Precondition:

For this test, a product search must have been initiated. To create this condition, see Test 7.08.

In addition, the stock for a dealer and product must be low. To create this condition, see [TBD]

#### Procedure:

1. Begin on the Product page
2. Select more of that product than the second dealer has in stock
3. Click “Select”
4. On the Installer page, click “No” on the radio button
5. Choose the dealer with low stock from the modal
6. Verify that another modal appears, informing you that the tire is not available

#### Data:

Two dealers are needed for this scenario; one with the product chosen in stock, and one without. Valid combinations include: [TBD]

### Test 19.03: Changing dealers with no inventory

#### User Story:

Given I am scheduling an appointment  
And a dealership near me does not stock a given tire  
When I select that dealership  
Then I should be shown a modal indicating that the tire is not available

#### Precondition:

For this test, a product search must have been initiated. To create this condition, see Test 7.08.

#### Procedure:

1. Begin on the Product page
2. Select a product that the second dealer does not have on program (see Data)
3. Click “Select”
4. On the Installer page, click “No” on the radio button
5. Choose the dealer without the tire on program from the modal
6. Verify that another modal appears, informing you that the tire is not available

#### Data:

Two dealers are needed for this scenario; one with the product chosen on program, and one without. Valid combinations include: [TBD]

### Test 19.04: Dealership stock changes

#### User Story:

Given I have scheduled an appointment with a dealership   
And inventory drops below a threshold on that dealership  
When I reach the checkout page  
Then I should be able to check out  
And an email should be sent to Dealer Tire informing them of the situation

#### Precondition:

For this test, a product search must have been initiated. To create this condition, see Test 7.08.

#### Procedure:

1. Begin on the Product page
2. For a given product, change the quantity to a high number, such as 4
3. Click “Select”
4. On the Installer page, take note of the dealer assigned
5. Elsewhere, manipulate the stock for that dealer until they cannot fulfil the request.
6. In Right Turn, fill out the customer information and check out
7. Verify that the checkout completes successfully
8. Verify that an email is sent to Dealer Tire informing them of the situation

#### Data:

For this test scenario, you must be able to manipulate the stock for the dealer in the middle of the test.