# Test Plan

Add a few items to a shopping cart and progress through the shopping cart flow:

https://fruitshoppe.firebaseapp.com/#/cart. Don’t worry, its a fake site so you can use fake

shipping and payment information, rest assured you will not be sent any mangocados ...as

yummy as they look!

Write a basic test plan to validate FullStory is recording properly when navigating through this

cart flow. Consider edge cases and atypical user flows. Where possible, add explanations of

HOW you would test these cases in basic language given what you’ve learned from Part 1.

Hint: Apply the lessons learned from Part 1 in this test plan. The goal is not to focus on how the

fruiteshoppe site itself works, but how the recording of that site works. Is data getting properly

captured from the page and sent to FullStory servers? How would you verify this?

## Introduction

Validate FullStory is recording properly when navigating through the cart flow using:

* Automated browser testing and network interception technologies to verify events fired and correctness of events.
* Query backend API to verify data stored correctly (if possible)

## Resource

PMAC

## In Scope

FullStory integration/recording of the cart flow

## Out of Scope

Fruitshoppe site functionality itself

Verifing session journey in customer dashboard.

## Functionality in Test

### Cases to verify (sample – there is likely much much more)

* Verify Adding via Add to Cart button as well as “I want this” in the item modal:
* Add a single item to the cart and verify (via My Cart) the correct item data and events are captured
* Add multiple different items to the cart and verify (via My Cart) the correct items data and events are captured
* Add multiple of the same items to the cart and verify (via My Cart) the correct items data and events are captured
* Add and remove a single item to the cart and verify (via My Cart) the correct item data and events are captured
* Add and remove multiple different items to the cart and verify (via My Cart) the correct items data and events are captured
* Add and remove multiple of the same items to the cart and verify (via My Cart) the correct items data and events are captured
* Add multiple items and remove a single item from the cart and verify (via My Cart) the correct items data and events are captured
* Add item(s) to the cart and checkout immediately from My Cart view and verify (via My Cart) the correct item data and events are captured
* Add item(s) to the cart and Keep Shoppe-ing from My Cart view and add additional items and verify (via My Cart) the correct item data and events are captured
* Add/remove item(s) to the cart and Keep Shoppe-ing from My Cart view to add/remove additional items and verify (via My Cart) the correct item data and events are captured
* Verify all Items that should be in the cart appear correctly in the checkout form with the correct quantity, price and totals (I’m seeing an event loading the checkout page but I’m not seeing any data related to what’s on the page yet so potentially this case is more about fruitshoppe than FullStory and should be eliminated)
  + Use Edit order to return to cart shopping and edit order amounts and verify events are captured, specifically the edit order click
* Fill out each field on the billing form and verify non PII/PCI (and any other regulations or desired data) is not captured.
  + Specifically, the CC number and CVV should not be captured
  + Looks like address line is also not captured (city state and zip are) (is this correct, verify with PM/Lead)
* Verify shipping address fields trigger the right events and data capture
* Verify Same as Billing Address captures the correct event and data
* Verify Clicking purchase without checking the “you sure you want this fruit?” triggers correct event and data capture
  + {
  + "Kind": 48,
  + "Args": [
  + "error",
  + "\"ERROR: invalid. Uh. Something went wrong.\""
  + ],
  + "When": 954602
  + }
* Verify checking the “you sure you want this fruit?” triggers correct event and data capture
* Verify Clicking purchase after checking the “you sure you want this fruit?” triggers correct event and data capture
* Verify Post checkout data capture and events

### Methodology to verify

In all of the cases listed above we will be verifying data multiple ways.

1. Events should be triggered as navigation occurs through the site and various activities are performed. These events should be monitored/captured to verify:
   1. Correct sequence and timing
   2. Correct event codes
   3. Correct messaging and or data capture
   4. Verify 200 code for each FullStory network post.
2. Backend events should be matched against events sent and data verified.

## Infrastructure

* Fruitshoppe site with FullStory integration correctly implemented and deployed/accessible
  + Https
  + Valid customer id (OrgId)
* Backend servers and data stores for FullStory data to be sent to
  + Full access to a special account for validation
  + Customer access via normal account (OrgId?)
* Customer account created and accessible for the implemented customer id
  + Should match configured OrgId
  + Need various levels of accounts for testing (Admin/Owner/Power User/User if they exist)

## Assumptions + Risks

Assumptions:

All infrastructure items listed above are available and configured correctly.

This is only a fraction of actual testing occurring, primarily focused on browser and event triggering. Other layers of testing have covered much more in depth coverage of functionality.

Risks:

Errors may be missed if deeper and more in depth coverage has not been completed. Since this focuses on verifying some specific events are triggered, there is a chance there may be some errors in the amount and total number of events triggered during these tests.

We are not verifying the customer view of the session data, there may be issues or errors in that not captured by the results of these tests.