1. Test cases for 'Get notified when service will be available in your area' feature

Since I don't have access to documentation, I will start from exploratory testing. Also I will compare this feature to the same feature on similar applications. I will perform positive testing, negative, and boundary testing. Since I don't know what requirements are, I will use common sense, and will test from user perspective. Will perform cross browser(Chrome, Safari, Firefox) and cross platform testing(Windows, MacOS). Bug reports only for MacOS Chrome included.

	Description	Instruction	Expected Result	Actual result	Pass/Fail
1	User gets "Thank you" message after providing him valid email.	1.Navigate to www.script.com 2.Write '99950' in the 'ZIP CODE' field. 3. Click on 'Submit' button 4. In pop-up window, write valid email address. 5.Click on 'Submit' button	Redirecting to the "Thank you" page. Greeting message: "Thank you for your interest, We'll let you know when we're in your area.	No 'Thank you' message. User redirected back to the main page.	Fail (Bug report #1)
2	When User write not valid email address, error message appears: "wrong email format"	1.Navigate to www.script.com 2.Write '99950' in the 'ZIP CODE' field. 3. Click on 'Submit' button 4. In pop-up window, write not valid email 'address:dsfagfdg@dfggfxnhg' 5.Click on 'Submit' button	Error message appears: "Invalid email format"	No error message.	Fail (Bug report #2)
3	Verify that User gets "Thank you for your interest" email	1.Navigate to www.script.com 2.Write '99950' in the 'ZIP CODE' field. 3. Click on 'Submit' button 4. In pop-up window, write valid email address in 'enter email' field. 5.Click on 'Submit' button 6. In new tab Navigate to mailbox, provided in the 'enter email' field. 7. Check for the email from Shipt.com	Greeting letter in the mailbox: "thank you for interest. We'll let you know when we're in your area."	No letter in the mailbox	Fail (Enhancement #1)

4	When User click on submit button without providing email address, error message appears	1.Navigate to www.script.com 2.Write '99950' in the 'ZIP CODE' field. 3. Click on 'Submit' button 4. In pop-up window, click on 'Submit' button	Error message: 'please fill out this field'	Error message: 'please fill out this field'	Pass

2.Bug reports.

During testing "Get notified when service will be available in your area" feature, the behavior of application was not as expected. From the perspective that user who will use this feature , our future customers, and they are interested in our services, application should be more friendly to them. After user provided correct email, "Thank You" message should appear. But in fact user doesn't get anything.similar application has those features(see the screenshot below). (Bug report #1)

Also when user entered email in an incorrect format, they don't get any error message, that is also might confuse user. Should be added full-scale validation for email format. (Bug report #2)

Enhancement #1

It would be very nice to send confirmation email to the users who subscribed for notification about Shipt service availability in their area.

Bug report #1

1.Title. User doesn't get "Thank you" message after providing him valid email.

2. Steps to reproduce: 1.Navigate to www.script.com
2.Write '99999' in the 'ZIP CODE' field.
3. Click on 'Submit' button
4. In pop-up window, write In pop-up window, write valid email address.
5.Click on 'Submit' button
No "Thank you" message, when user clicks on 'Submit' button. User redirecting back to the main page. {Your Competitors such as Safeway delivery does that. See the attached screenshot)
3.Severity
4. Priority: 4
5. Status: Open.
MacOs High Sierra 10.13.6 Google Chrome 74.0.3729.40

SAFEWAY

Thank You.

We'll let you know when we're in your area.

Done

Check out our coupons and deals

Bug report #2

1.Title.No Error message when user write invalid email.

2. Steps to reproduce: 1.Navigate to www.script.com
2.Write '99999' in the 'ZIP CODE' field.
3. Click on 'Submit' button
4. In pop-up window, write not valid email 'address:dsfagfdg@dfggfxnhg'
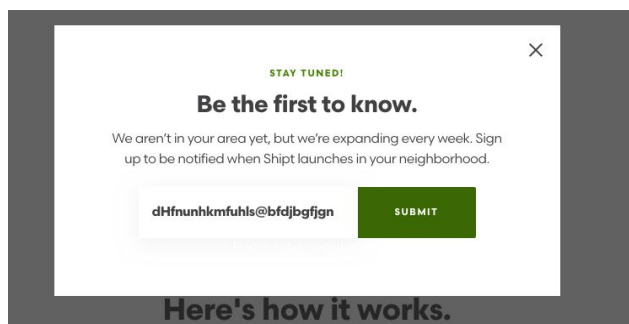5.Click on 'Submit' button
No Error message: "Invalid email format" after user clicks on Submit button. User stays on the same place.
3.Severity
4. Priority: 5
5. Status: Open.
MacOs High Sierra 10.13.6 Google Chrome 74.0.3729.40

STAY TUNED!

Be the first to know.

We aren't in your area yet, but we're expanding every week. Sign up to be notified when Shipt launches in your neighborhood.

dHfnunhkmfuhls@bfdjbgfjgn   **SUBMIT**

Here's how it works.

3.What are the possible reasons for the following defect?

1.Data from front end doesn't get to the server because of error in UI code or server does not understand data
2. Server do not write data to the DB

How would you go about debugging the problem and gathering more information?
1.In web Browser check errors in JS console of developers tools. Also check requests in network tab od Developers tools
2.Check logs on Back end
3.Connect to DB and create query to check data for that customer.

SQL

1. List me the stores allowed to sell alcohol

SELECT name
FROM stores
WHERE allowed_alcohol = 1

2. Give the product name of the 2 most expensive items based on their price at store id 1

SELECT products.name
FROM store_prices JOIN products
on products.id = store_prices.product_id
WHERE store_prices.store_id =1
order by store_prices.price desc
LIMIT 2

3. List the products that are not sold in the store id 2

SELECT products.name
FROM products JOIN store_prices
on products.id = store_prices.product_id
WHERE Not store_prices.store_id =2

4. What is the most popular item sold?

SELECT products.name
FROM products JOIN order_lines
on products.d = order_lines.product_id

order by order_lines.qty
LIMIT 1

5. Write a SQL statement to update the line_total field
UPDATE order_lines
SET line_total = 3
WHERE id =1

Automation Assessment Follow Up
Questions:

1. If you chose to use a tool or language other than the recommended, briefly explain why.
I choose Postman for API testing because, as I mentioned on the phone screen interview - on my current work I am doing only manual API testing, using Postman. I created a collection of requests I used for each test case and added algorithm description to the folders with requests.

2. How did you go about locating the elements for your tests?
Using Browser's Developers tools I inspected DOM structure of the page and find attributes which uniquely identify web elements. Based on those unique attributes choose what would be the best way to find web element. I used both locator strategies: 'by X-path' and 'by css selector'

3. What do you believe are the most common causes for instability in UI automation?
1. Developer changes(New feature implementation, code refactoring, page design changes, bug fixing)
2. Web browser updates(With new Browser version behavior of web elements may change)

4. How do you make your tests consistent and easy to debug?
1. Use constants
2. Reuse pieces of code by creating functions
3. Keep code structured
4. Add comments to the code
5. Adding log output