

## Jules AI Assignment

### 1. Automated user flow testing for login

#### Test Cases:

1. Empty Fields
2. Invalid Id and Password
3. Invalid Email format and Password too short
4. Successful Login and Navigation

#### Test Script:

1. Empty Fields Scenario:  
Go to <https://demo.haroldwaste.com>  
Click the Submit Button  
User should be able to see 'Required' message
2. Invalid Email Id and Password Scenario:  
Go to <https://demo.haroldwaste.com>  
Fill '[test@automation.com](mailto:test@automation.com)' in Email  
Fill '1234567890' in Password  
Click the Submit Button  
User should be able to see 'Your email and/or password are incorrect' message
3. Invalid Email Format and Password Too Short Scenario:  
Go to <https://demo.haroldwaste.com>  
Fill 'test@' in Email  
Fill '123' in Password  
Click the Submit Button  
User should be able to see 'Email not valid' message  
User should be able to see 'Password too short' message
4. Invalid Email Format and Password Too Short Scenario:  
Go to <https://demo.haroldwaste.com>  
Fill 'qa@julesai.com' in Email  
Fill 'QaJULES2023!' in Password  
Click the Submit Button  
Users should be able to see 'Purchase & Opportunity list' as the title.  
Click the 'Purchase opportunities' tab.

Users should be able to see 'purchases?t=1' as the URL of the page.

Click the 'Lost & Cancelled purchases' tab.

Users should be able to see 'purchases?t=2' as the URL of the page.

Click the 'Closed purchases' tab.

Users should be able to see 'purchases?t=3' as the URL of the page.

## **Bugs and Validations:**

### **Empty Fields:**

Bug: The error message for empty fields might not be displayed correctly.

Validation: Check if the "Required" text is displayed when fields are left empty.

### **Invalid Id and Password:**

Bug: The error message for an invalid email and password might not be displayed or might be incorrect.

Validation: Ensure the message "Your email and/or password are incorrect" is shown for invalid email and password.

### **Invalid Email format and Password too short:**

Bug: The error message for an invalid email format and a password that is too short might not be displayed correctly.

Validation: Check if the message "Email not valid" and "Password too short" is displayed for short passwords.

### **Successful Login and Navigation:**

Bug: The login might fail even with correct credentials.

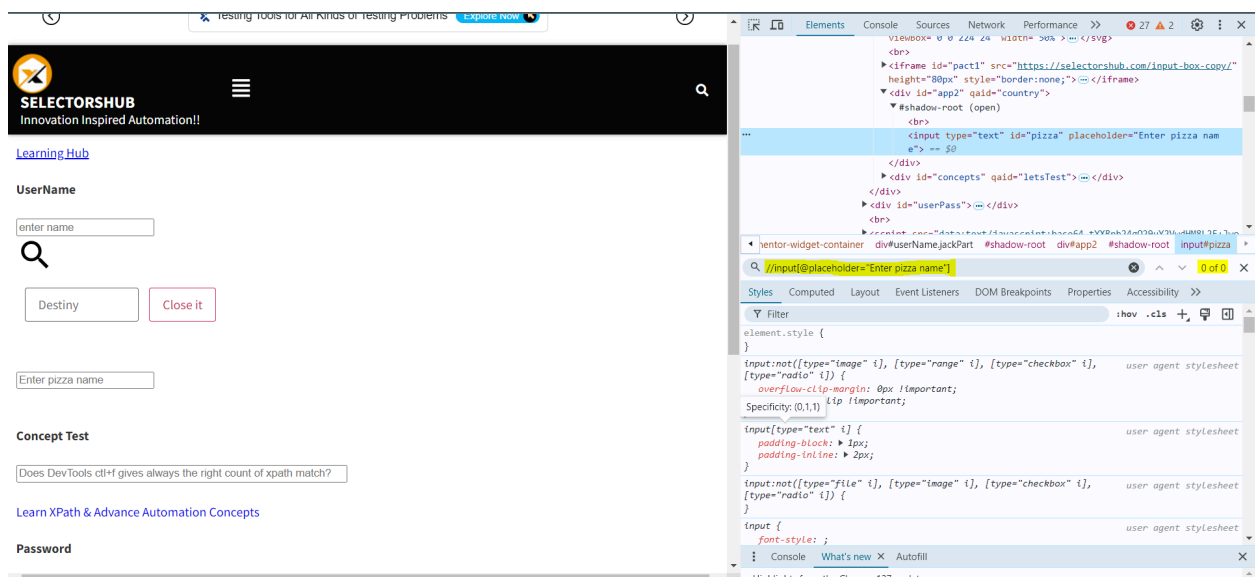
Validation: Ensure the URL changes to `${baseURL}`, which is `https://demo.haroldwaste.com/`, and "Purchase & Opportunity list" text is visible after a successful login.

## 2. XPath Writing

XPath for the input box by using the placeholder method would be :

```
//input[@placeholder="Enter pizza name"]
```

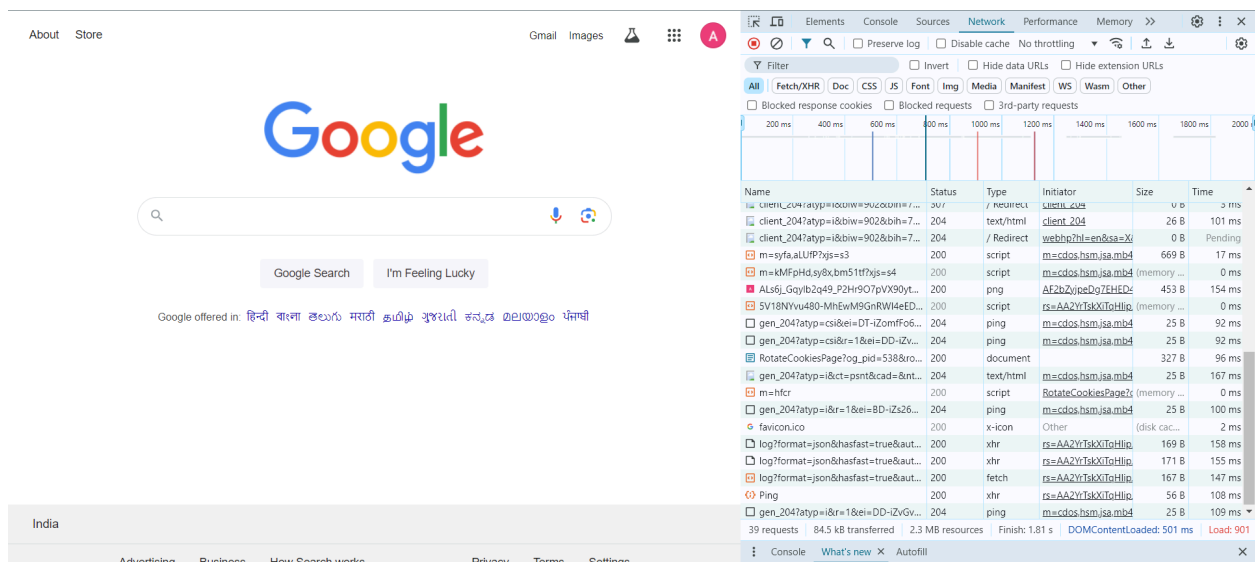
However since the element is inside the shadowDOM, which is used to encapsulate the data, we cannot use the XPath for the element directly. You can use the placeholder element by using the evaluate method on the shadowroot, and then passing the selector in it.



### 3. Screenshots

#### A. Screenshot of network tab:

Go to chrome  
Go to google  
Go to developer tools (ctrl + shift + i)  
GO to network tab  
Capture a Screenshot



#### B. Screenshot of network tab:

Go to chrome  
Go to google  
Go to developer tools (ctrl + shift + i)  
GO to network tab  
Adjust the Throttling option  
Capture a Screenshot

Google

Google Search I'm Feeling Lucky

Google offered in: हिन्दी বাংলা తెలుగు मराठी தமிழ் ગુજરાતી ಕನ್ನಡ മലയാളം ਪੰਜਾਬੀ

India

Advertising Business How Search works Privacy Terms Settings

Network Performance Memory

Filter: Fetch/XHR Doc CSS JS Font Img Media

Blocked response cookies Blocked requests 3rd party extension URLs

Presets: Fast 4G, Slow 4G, 3G, Offline, Custom, Add...

Name	Status	Type	Initiator	Size	Time
gen_204?atyp=i&rs=AA2YrTskXToHllo...	200	xhr	rs=AA2YrTskXToHllo...	156 B	149 ms
log?format=json&hasfast=true&aut...	200	script	RotateCookiesPage2...	(memory ...)	0 ms
gen_204?atyp=i&rs=AA2YrTskXToHllo...	200	xhr	rs=AA2YrTskXToHllo...	156 B	139 ms
log?format=json&hasfast=true&aut...	200	fetch	rs=AA2YrTskXToHllo...	156 B	144 ms
Ping	200	xhr	rs=AA2YrTskXToHllo...	68 B	93 ms
faviconico	200	x-icon	Other	(disk cac...	1 ms
gen_204?atyp=i&rs=1&ei=rj-zrDV...	204	ping	m=cdoos-hsm.jsa.mbd	25 B	97 ms
gen_204?atyp=i&rs=1&ei=rj-zrDV...	204	ping	m=cdoos-hsm.jsa.mbd	25 B	91 ms
app?awwd=1&gm3=1&origin=http...	200	document	rs=AA2YrTskXToHllo...	15.2 kB	154 ms
m=b_tp	200	script	pgs.google.com/u/0/	(memory ...)	0 ms
KFomCnqEu92Fr1Mu4mxK.woff2	200	font	app?awwd=1&gm3=1	(memory ...)	0 ms
4UaRrENHxvIGDuGo1OIHfG6L_24rC...	200	font	app?awwd=1&gm3=1	(memory ...)	0 ms
ACg8ocgpxQDcbtMYTpQuDOInFKV...	200	png	app?awwd=1&gm3=1	(disk cac...	1 ms
p_2x_eb7895ba582f.png	200	png	app?awwd=1&gm3=1	(disk cac...	1 ms
m=ws9Ticn73qwfGkRIKb.e5qFLc.IZ...	200	script	m=b_tp345	(memory ...)	0 ms
m=RqjUld	200	script	m=b_tp345	(memory ...)	0 ms
m=bm51tf	200	script	m=b_tp345	(memory ...)	1 ms
m=Wt6vjfhhU8FCpbqb.WhNk	200	script	m=b_tp345	(memory ...)	0 ms

49 requests 99.1 kB transferred 3.0 MB resources Finish: 4.90 s DOMContentLoaded: 646 ms Load: 1.0K

Console What's new X Autofill

(No Throttling)

Google

Google Search I'm Feeling Lucky

Google offered in: हिन्दी বাংলা తెలుగు मराठी தமிழ் ગુજરાતી ಕನ್ನಡ മലയാളം പੰਜാബੀ

India

Advertising Business How Search works Privacy Terms Settings

Network Performance Memory

Filter: Fetch/XHR Doc CSS JS Font Img Media

Blocked response cookies Blocked requests 3rd party extension URLs

Presets: Fast 4G, Slow 4G, 3G, Offline, Custom, Add...

Name	Status	Type	Initiator	Size	Time
gen_204?atyp=i&rs=AA2YrTskXToHllo...	200	xhr	rs=AA2YrTskXToHllo...	156 B	132 ms
log?format=json&hasfast=true&aut...	200	script	RotateCookiesPage2...	(memory ...)	0 ms
gen_204?atyp=i&rs=1&ei=FUCIZu...	204	ping	m=cdoos-hsm.jsa.mbd	25 B	181 ms
faviconico	200	x-icon	Other	(disk cac...	1 ms
log?format=json&hasfast=true&aut...	200	xhr	rs=AA2YrTskXToHllo...	156 B	184 ms
gen_204?atyp=i&rs=1&ei=GOCIZuH...	204	ping	m=cdoos-hsm.jsa.mbd	25 B	185 ms
log?format=json&hasfast=true&aut...	200	xhr	rs=AA2YrTskXToHllo...	156 B	174 ms
log?format=json&hasfast=true&aut...	200	fetch	rs=AA2YrTskXToHllo...	156 B	218 ms
Ping	200	xhr	rs=AA2YrTskXToHllo...	55 B	218 ms
app?awwd=1&gm3=1&origin=http...	200	document	rs=AA2YrTskXToHllo...	15.2 kB	160 ms
m=b_tp	200	script	pgs.google.com/u/0/	(memory ...)	1 ms
KFomCnqEu92Fr1Mu4mxK.woff2	200	font	app?awwd=1&gm3=1	(memory ...)	0 ms
4UaRrENHxvIGDuGo1OIHfG6L_24rC...	200	font	app?awwd=1&gm3=1	(disk cac...	0 ms
ACg8ocgpxQDcbtMYTpQuDOInFKV...	200	png	app?awwd=1&gm3=1	(disk cac...	1 ms
p_2x_eb7895ba582f.png	200	png	app?awwd=1&gm3=1	(disk cac...	1 ms
m=ws9Ticn73qwfGkRIKb.e5qFLc.IZ...	200	script	m=b_tp345	(memory ...)	0 ms
m=RqjUld	200	script	m=b_tp345	(memory ...)	0 ms
m=bm51tf	200	script	m=b_tp345	(memory ...)	1 ms
m=Wt6vjfhhU8FCpbqb.WhNk	200	script	m=b_tp345	(memory ...)	0 ms

49 requests 98.9 kB transferred 3.0 MB resources Finish: 4.97 s DOMContentLoaded: 656 ms Load: 1.0K

Console What's new X Autofill

Highlights from the Chrome 127 update

(Fast 4G mode)

