

Test Case: Simple Drug Search

Test Case #	Test Case	Expected Results	Pass/Fail	Comments
1.1	Enter EZRxLookup URL	Simple Drug Search Page is displayed		
1.2	Simple Drug Search Page View	Displays combined NDC# / Brand Name input field		
1.3	Search with no input data	results in a error message to the user		
1.4	Search with valid NDC# (which is found in SPL) and no Adverse Events or Recalls - use NDC # 51439-007-02	Drug Status Page displayed with Green Check and associated Green Check Message		
1.5	Search with valid NDC# (which is found in SPL) and Adverse Event(s) found, but no Recalls - use NDC # 53746-078-01	Drug Status Page displayed with Yellow Alert and associated Yellow Alert Message		
1.6	Search with valid NDC# (which is found in SPL) and Recall(s) found - use NDC# 43598-209-53	Drug Status Page displayed with Red X and associated Red X Message		
1.7	Search with NDC# that is not found - use NDC # 12345-9876	Simple Drug Search Page displays message indicating "FDA-Approved Label Not Found"		
1.8	Enter three or more characters in search field to receive suggestions of drug names found in openFDA database	Simple Drug Search page displays list of one or more drug names found for data entry that will result in exact match for search		
1.9	Select exact drug name from suggestion list to navigate to Drug Status Page	Drug Status Page is displayed with results for exact drug name selected		
1.10	Search/select drug name that is not exact match in the openFDA database - use Amoxicillin	Simple Drug Search Page displays message indicating "Multiple Labels Found, Please Refine Your Search"		
1.11	Search with drug name that is not found - use EZTEST	Simple Drug Search Page displays message indicating "FDA-Approved Label Not Found"		
1.12	Refresh all inputs by clicking on EZRxLookup logo (home)	Simple Drug Search Page is displayed with input field refreshed		
1.13	Multiple users executing searches at the same time	All users are able to perform independent searches at same time		

Test Case: Drug Status

Test Case #	Test Case	Expected Results	Pass/Fail	Comments
2.1	Display for valid drug with no Adverse Events or Recalls	Drug Status Page shows that user is on page "2", search criteria is displayed, Green check and associated message displayed		
2.2	Navigation from page with green check to home page via EZRxLookup logo	Click on EZRxLookup logo (home) returns user to Simple Drug Search Page with data entry field refreshed		
2.3	Display for valid drug with no Adverse Events, but at least 1 Recall	Drug Status Page shows that user is on page "2", search criteria, Yellow Alert and associated Yellow Alert Message		
2.4	Links to other sites open new window/tab for corresponding website from page 2 with yellow alert	New tab/window opened corresponding to linked website		
2.5	Navigation from page with yellow alert to view drug details by clicking drug details button	Drug Details Page is displayed showing that user is on page "3", search criteria and details displayed		
2.6	Navigation from page with yellow alert via EZRxLookup logo	Click on EZRxLookup logo (home) returns user to Simple Drug Search Page with data entry field refreshed		
2.7	Display for valid drug with no Adverse Events, but at least 1 Recall	Drug Status Page shows that user is on page "2", search criteria, Red Alert and associated Red Alert Message		
2.8	Links to other sites open new window/tab for corresponding website from page 2 with red alert	New tab/window opened corresponding to linked website		
2.9	Navigation from page with red alert to view drug details by clicking drug details button	Drug Details Page is displayed showing that user is on page "3", search criteria and details displayed		
2.10	Navigation from page with red alert via EZRxLookup logo	Click on EZRxLookup logo (home) returns user to Simple Drug Search Page with data entry field refreshed		

Test Case: Drug Detail

Test Case #	Test Case	Expected Results	Pass/Fail	Comments
3.1	Display Drug Details navigating from the yellow alert drug status page	Drug Details Page is displayed showing that user is on page "3", search criteria and details displayed		
3.2	Navigation from yellow alert drug details page via EZRxLookup logo	Click on EZRxLookup logo (home) returns user to Simple Drug Search Page with data entry field refreshed		
3.3	Display Drug Details navigating from the red alert drug status page	Drug Details Page is displayed showing that user is on page "3", search criteria and details displayed		
3.4	Navigation from red alert drug details page via EZRxLookup logo	Click on EZRxLookup logo (home) returns user to Simple Drug Search Page with data entry field refreshed		
3.5	Navigation to FDA Recall site via click on the link for FDA Recall	Click on the FDA Recall link opens new page/tab for FDA Recall site		
3.6	Navigation to ResearchAE site via click on the link for ResearchAE	Click on the ResearchAE link opens new page/tab for ResearchAE site		
3.7	Navigation to FDA MedWatch site via click on the link for FDA MedWatch	Click on the FDA MedWatch link opens new page/tab for FDA MedWatch site		

Test Case: Multiple Devices & Browsers

Test Case #	Test Case	Expected Results	Pass/Fail	Comments
4.1	Enter EZRxLookup URL in Firefox - device = Surface	Simple Drug Search Page is displayed in Firefox		
4.2	Perform drug searches and navigation in Firefox - device = Surface	All search and navigation perform in Firefox		
4.3	Enter EZRxLookup URL in Google Chrome - device = laptop	Simple Drug Search Page is displayed in Google Chrome		
4.4	Perform drug searches and navigation in Google Chrome - device = laptop	All search and navigation perform in Google Chrome		
4.5	Enter EZRxLookup URL in Internet Explorer (IE) - device = laptop	Simple Drug Search Page is displayed in IE		
4.6	Perform drug searches and navigation in IE - device = laptop	All search and navigation perform in IE		
4.7	Enter EZRxLookup URL in Safari - device = iPad mini	Simple Drug Search Page is displayed in Safari		
4.8	Perform drug searches and navigation in Safari - device = iPad mini	All search and navigation perform in Safari		
4.9	Enter EZRxLookup URL in iPhone 6 (Safari)	Simple Drug Search Page is displayed (portrait or landscape orientation) in iPhone		
4.10	Perform drug searches and navigation in iPhone 6 (Safari)	All search and navigation perform (portrait or landscape orientation) in iPhone		

Test Case: 508 Compliance

Test Case #	Test Case	Expected Results	Pass/Fail	Comments
6.0	Perform 508 compliance check/scan via the AMP (Accessibility Management Platform) app	No high severity issues reported		
	Manual verifications:			
6.1	A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).	Text displayed next to green check, yellow warning and red x defining meaning		
6.2	Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	Text displayed next to green check, yellow warning and red x		
6.3	Documents shall be organized so they are readable without requiring an associated style sheet.	All results are readable; no stylesheet required		
6.4	Row and column headers shall be identified for data tables.	Headings are displayed for results data		
6.5	Frames shall be titled with text that facilitates frame identification and navigation.	Page numbers identify navigation page		
6.6	Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	No screen flicker observed		

Test Case: Security

Test Case #	Test Case	Expected Results	Pass/Fail	Comments
5.1	Perform security check/scan via the OWASP Zed Attack Proxy (ZAP) app	No high severity alerts flagged		