

USPS Test Summary Report

Test Plan ID:

Q5J-48

Purpose:

Test specific tools on the [USPS website](#): Signing-up for an account; sign-in/out of accounts; tracking a package; and ZIP Code Look-up.

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Summary

Version: Current Posted Website (June 2018)

Description: The Wolf Pack team tested the current USPS website.

Four specific functions were tested:

- 1) Register/sign-up for Account
 - Choosing Language
 - Choose username
 - Choose Password
 - * Security Question 1
 - * Input Answer
 - * Re-enter Input
 - * Security Question 2
 - * Input Answer
 - * Re-enter Input
 - * Account Type
- 2) Sign-in/out of Account
 - Username
 - Password
 - Forgot username
 - Forgot Password
 - Successful sign-in
- 3) Track Package (Track & Manage Menu)
 - Single package
 - Multiple packages
- 4) Look Up a ZIP Code
 - by Address
 - by City & State
 - Look Up Cities by ZIP Code

Test Items: [Website for USPS](#)

Environment: Chrome

Firefox (used just for Automated Sign-in/out)

Google Drive folder for sharing files

[USPS Web Tools API](#) user account and documentation

References: https://drive.google.com/drive/u/1/folders/1fROKkJzSfkXn0Q2mH7_8J5e0c9jjavdK

Variances

Track Package

Changes made current test cases for Multiple invalid tracking number, instead of 35 characters max, it should be testing for 35 characters followed by commas and also 35x20 characters for invalid value limit.

The Track Package API was tested using Postman, but due to conflicting information in the User's Guide and Developer Guide we weren't able to get the necessary GET statements to work. Due to time constraints this part of the test plan was abandoned.

Lookup ZIP Code

Originally the 'Postage Price Calculator' was to be tested instead of the 'ZIP Code Lookup,' but due to the sheer complexity of that function the 'Look Up ZIP Code' function was chosen as test item for the DevMountain group project. The Verify an Address API, that includes the ZIP Code Lookup function, was tested manually, even though that was not part of the Test Plan (just for the fun of it!)

Register Account

None

Sign-in/out

- 1) Could not do Automated Sign-in/out of account. Chrome did not allow it. We used Gecko driver instead
- 2) Did not check the Forgot password/ forgot username

Comprehensiveness Assessment

Register for Account	 Q5J-50 Q5J-53
	<ul style="list-style-type: none">✓ User must be able to create an account following input criteria requirements✓ Prompts or error messages display for invalid entries
Sign in/out	 Q5J-54 Q5J-55
	<ul style="list-style-type: none">✓ Ability to sign in/out of account✓ Error message displays for incorrect sign in entries
Track a package	 Q5S-20 Q5S-22 Q5S-27
	<ul style="list-style-type: none">✓ Shows shipping information for valid shipping ID✓ Displays error for invalid shipping ID✓ Track Multiple packages in one search attempt
Look Up ZIP Code	 Q5Y-30 Q5Y-31 Q5Y-32
	<ul style="list-style-type: none">✓ Run both valid and invalid addresses and zip codes, manually and automated, using both the web-interface as well as the API through Postman. <p>All three options (Look Up ZIP Code by address, by city & state and Look Up City by ZIP Code) were tested extensively manually. All the test objectives for these three cases were thus reached.</p> <p>Only the 'Look Up ZIP Code' test case [Q5Y-30] was automated. For the Verify Address API no test case was created. Still the API was tested manually in Postman, using the test URL's that are listed in the API documentation.</p>

Summary of Results

Track Package:

1) Testing the boundaries for valid and invalid was very effective especially for special characters and over the limit value in the input. Was able to find 2 bugs from this technique. Overall for the current test some changes have to be made in Automation test scripts from tracking the results of a “Valid tracking ID” this lead to current stage level in the USPS tracking system.

2 Bugs Found

- 2) Characters Exceeded: While entering more than 700 characters and clicked “track” button - it navigated me to another page error that said “Bad Request” instead it should have capped my character limit to go any further.
- 3) Special Characters: while entering track ID, i've entered “<?” along with any other input characters and navigate me to another page that said “ Access Denied”.

Risks: Low

Lookup by Zip:

1 Bug Found

Risks: Low

There was a typo in one of the country names in the drop-down list, which was logged as a bug.

Register Account:

0 Bugs Found

Manual Testing: Successfully created an account

Risks: None

Sign-in/out:

0 Bugs Found

Manual Testing: Successfully signed-in/out of account

Automated Testing: Once we figured out there was a problem with chrome being automated and we used Gecko driver instead, automation went well

Risks: None

Evaluation

Register Account & Sign-in/out

The input specifications are clear for the user. It is very difficult to input the wrong settings. Error messages and prompts were clear and most of the time, were displayed real-time so users can put in the correct entries.

No bugs were found in these 2 sections

Lookup ZIP Code

Based on the tests run the quality of the 'Lookup ZIP Code' is judged to be excellent. No major defects were detected, only one minor bug (a typo). The website is set up in such a way that these lookup functions are practically fault-proof.

Track Package

2 Bugs were found and are labeled low risk. This section of the software is still good for use

Summary of Activities

Team Wolf Pack held regularly scheduled Pow Wow's to make sure everyone was clear of what their assignments were and what the deadlines were. Team Wolf Pack did not encounter many setbacks, but when they occurred they were handled appropriately. We troubleshooted issues to find that software needed to be updated, different drivers needed to be used, and we regularly checked each other's code. Deadlines were met as planned, despite minor setbacks. Each individual contributed to the planning, creating, and executions of tests.

Approvals

AJ Signature: _____ Date: _____

Mentor: Signature: _____ Date: _____