

## Manual Testing Document - Chrome Extension

Extension Name: TabsPlus

TabsPlus Version : TabsPlus Phase 2

Testing Feature: Create Bookmarks Folder from Grouped Tabs

Tested Browsers: Chrome Version 114.0.5735.133

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### Testing Procedure

1. Run automated testing script.
2. The script opens 6 tabs and creates 3 groups of 2 tabs each.
3. It focuses on the extension and hovers over the "Create bookmarks from group" button - revealing the tab groups.
4. It clicks each tab group - making 3 bookmark folders of 2 tabs each.
5. It gets the URLs for each bookmark of the newly created bookmark folders and compares them to the input.
6. If the URLs match the test success message is displayed.

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### Test #1 Data

Test Description: Automated testing: Create 3 tab groups (grey, blue, red) of 2 urls and compare the Input URLs with the URLs in folders located in the Bookmark Bar (fetched using chrome.bookmarks api)

Input Data:

```
urls = ["https://github.com/", "https://www.youtube.com/",  
        "https://www.google.com/", "https://www.wikipedia.org/",  
        "https://www.etsy.com/", "https://www.dictionary.com/"]
```

Expected Output:

```
expected urls = ["https://github.com/", "https://www.youtube.com/",  
                 "https://www.google.com/", "https://www.wikipedia.org/",  
                 "https://www.etsy.com/", "https://www.dictionary.com/"]
```

### Test #1 Results

### Summary:

```
alexhong@Alexs-Air CMSC495-TabsPlus % /usr/bin/python3 /Users/alexhong/capstone/CMSC495-TabsPlus/tests/TEST-create-bookmarks-from-groups.py
/Users/alexhong/Library/Python/3.9/lib/python/site-packages/urllib3/__init__.py:34: NotOpenSSLWarning: urllib3 v2.0 only supports OpenSSL 1.1.1+, currently the 'ssl' module is compiled with 'LibreSSL 2.8.3'. See: https://github.com/urllib3/urllib3/issues/3020
  warnings.warn(
Opening Extension
Opening Tabs
Tab: https://github.com/ opened
Tab: https://www.youtube.com/ opened
Tab: https://www.google.com/ opened
Tab: https://www.wikipedia.org/ opened
Tab: https://www.etsy.com/ opened
Tab: https://www.dictionary.com/ opened
Switching back to Extension Tab
Creating Groups
Hovering over feature button
making tab groups
results: {'https://github.com/', 'https://www.dictionary.com/', 'https://www.google.com/', 'https://www.youtube.com/', 'https://www.wikipedia.org/', 'https://www.etsy.com/'}
expected urls: {'https://github.com/', 'https://www.dictionary.com/', 'https://www.google.com/', 'https://www.youtube.com/', 'https://www.wikipedia.org/', 'https://www.etsy.com/'}
}

TEST RESULT: PASS - urls match test results
```

Test Result: **Pass**

Observations:

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