



Beer Butlers

Developers

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Test Plan

The Testing Process & Requirements Traceability:

BeerButlers System process begins with testing the UI (the website). User will test the functionality of the site to ensure that all links work, all features work, and then in more depth how different search inputs return different results. The site is required to have no broken links, no broken images, search features return search results, etc... Response times are expected to be quick, with the exception of the main search function which can slow down due to too general of search terms and thus a large number of elements being returned.

Tested Items

See Section 2.1

Testing Schedule

Testing will be done over a five-day period 11/21-11/25.

Test Recording Procedures

Test Operators will record any broken links, features they find. They will record the site response time, how fast pages and results load. Test Operators are testing the GUI exclusively. All internal/back end testing will be conducted by the developers. The developers will create Unit tests to examine the functionality of the code. Results will be recorded in comments within the code and in this document.

Hardware & Software Requirements

Test Operators will need to have high speed internet to test the system.

2. Static V&V

2.1 Tested Items

The BeerBulters website (GUI)

The BeerButlers back end - all JS functions will need to be tested with Unit tests

2.2 Checklist

1. Index.html
 - a. Does the page load within 10 seconds?
 - b. All images are loaded?
 - c. Are all links clickable?
 - d. Does the page resize without losing content?
 - e. Can you search for a beer?
 - f. Is the response time within 10 seconds?
 - g. Do images load?
 - h. No missing content?
 - i. If you select a flavor profile does a beer return?
 - j. If you select a food category does a beer return?
2. Search.html
 - a. Does the page load within 10 seconds?
 - b. Are all links clickable?
 - c. Does a new html page open with beer information?
3. FAQs, BeerArticles, Contact.html
 - a. Do the pages load within 10 seconds?

2.3 Inspection Results (here, mention inspectors' names)

2.4 Rework and Follow-up

3. Dynamic V&V

3.1 Unit Testing

HTML and CSS cannot be tested using unit tests. We developed a test suite that will test our JavaScript functions. Unit Test source code is attached to this document. In order to run these tests the Operator needs access to our server, BeerButler source code, and test source code.

3.2 Interface Testing & 3.3 System Testing

See section 2.2 for a detailed list of the interface/system testing criteria. Our Software has the following features: search bears, get beer from flavor input, get beer from food input. Testing showed that current features need to be further implemented. Search results need more information returned. Other features not connected to the database include a contact form in which users can email the developers, a Javascript program that shows developer's recommendations, and an html page that links to more information on beer.

3.4 Non-functional Requirements Testing

N/A