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Title: Tipsybuffs UAT Milestone

User Acceptance Test Plans:

The most important aspects of Tipsybuffs we would like to deliver is the index query maker, index unchecking of selected ingredients, and testing if the website is properly querying the database. These features will be tested though individual testing pages of where their respective code lie. Test pages can be accessed through adding 'test' to the respective page urls. Since the query maker and the unchecking of the selected ingredients are implemented in the index .ejs file, testing of these two features can be done by just adding 'test' to the index url. Because the code for querying the database is done in the results .ejs, testing that feature is accessed via 'results/test' after the address. While the rendered web page should not be any different during the testing mode, the testing results will be printed to the console.

User Acceptance Test 1: Adding ingredients to query list

Acceptance Requirement	Test Result (Pass/Fail)	Comments
User can type ingredient into text entry box		
Clicking "add ingredient" appends the ingredient to search list		
Search List correctly displays all added ingredients		

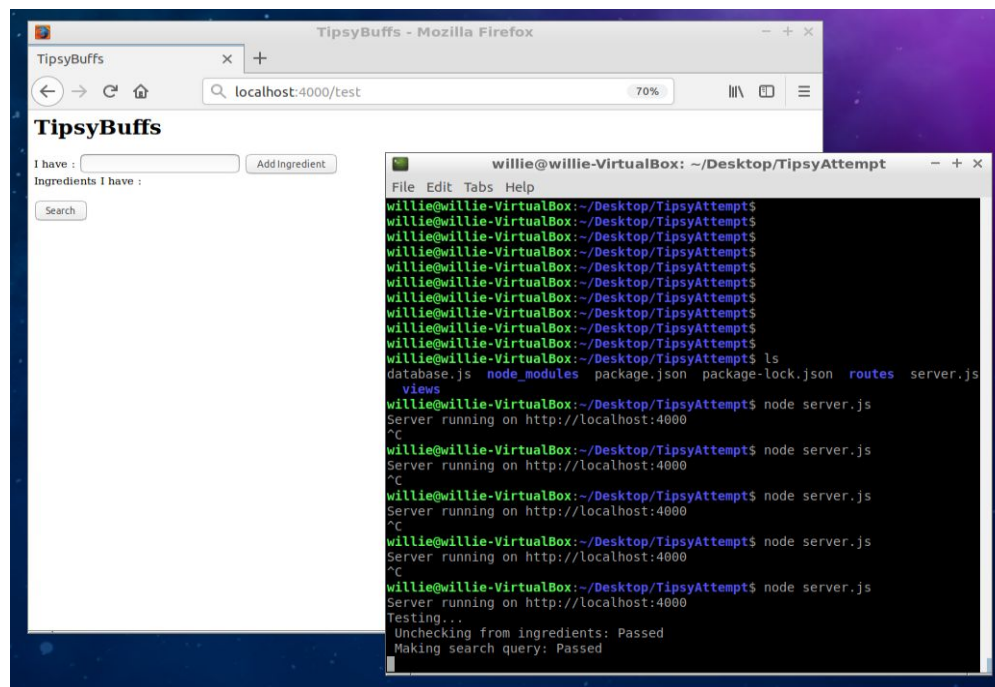User Acceptance Test 2: Removing ingredients from query list

Acceptance Requirement	Test Result (Pass/Fail)	Comments
User can choose to remove an ingredient by unchecking box		
Unchecking box excludes item from search results		

User Acceptance Test 3: Acceptable search results from database query

Acceptance Requirement	Test Result (Pass/Fail)	Comments
Known ingredients in the search list gives expected drink recipes on results page.		
Unknown ingredients in search list gives no drink recipes on results page.		
Search results are consistent regardless of extra spaces or case in ingredient entry.		

Automated Testing Cases:

The screenshot below demonstrates the index testing page. The page is accessed with 'test' added to the index url. When the page loads, the query maker and ingredient unchecking is tested. The tester initially adds two ingredients into the search query and looks into the html list to see if the added ingredients are there. If both ingredients are in the list, the page has passed the first phase of the tests. The tester then unchecks the boxes associated with the ingredients and then checks the html list. If the list is empty, the page has passed the second phase of the unchecking and query making tests. If the page passes the first phase but not the second phase, the tester will consider that a failing run.

The screenshot below demonstrates the results testing page. The page is accessed with 'results/test' added to the index url. When testing the results page, the tester will query the database of the following three ingredients: ' ', 'cola', 'ice '. The page should remove any extra spaces associated with the searched ingredient and ignore blank ingredient searches. The first phase of the tests would be checking the read in ingredients for only 'cola' and 'ice' without the extra spaces 'ice' had. The second phase of the tests will be querying a test database of the selected ingredients where only three specific drinks should be returned from the search. If the tester matches all three ingredients in the html table returned, the page passed phase two. Passing both phases is required for a passing run.