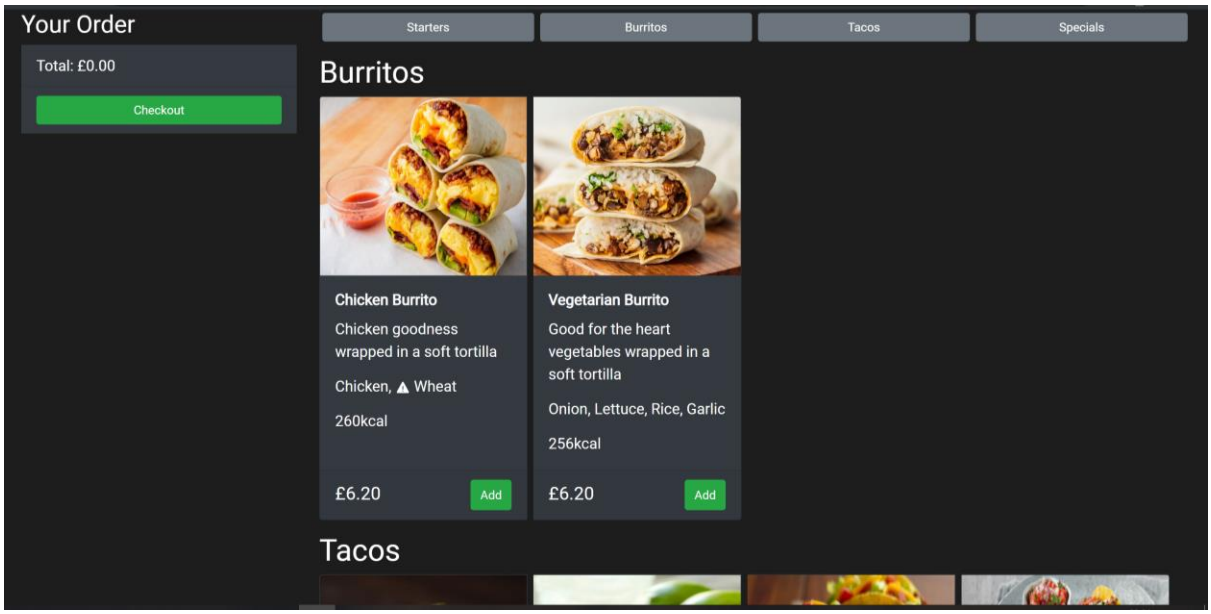
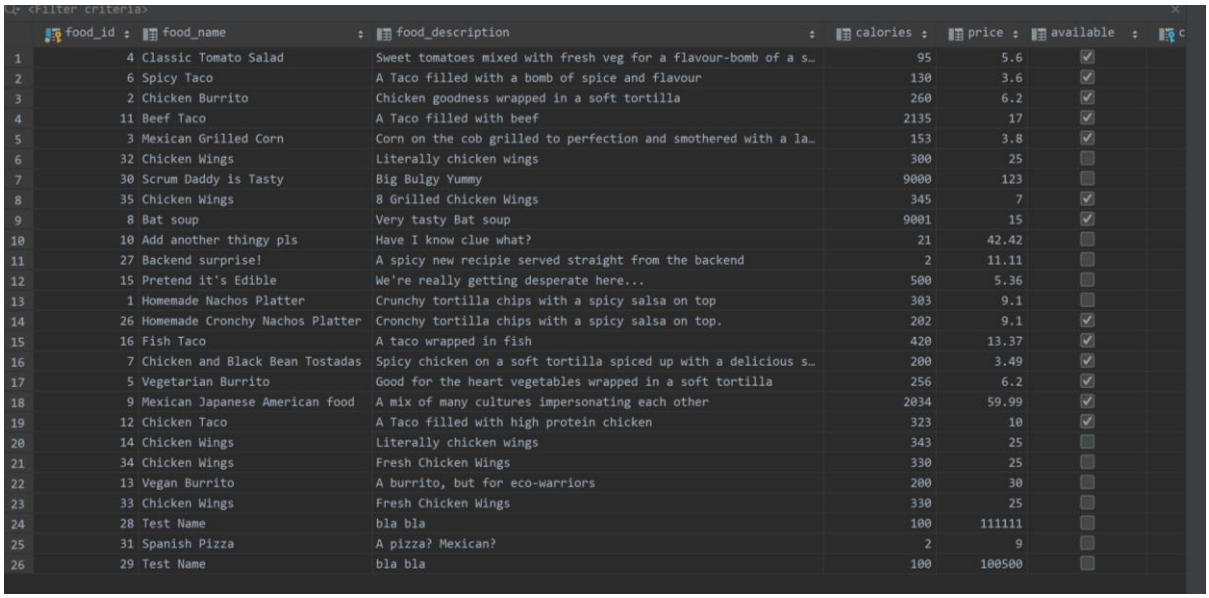
Author: Anas Choudhury

TEST 5 (Using Postman)

Test – Testing the endpoint ‘NewMenuItem’ which contains a POST method

This test is fairy short as the endpoint has one purpose which is to add new items to the menu screen of the restaurant application by receiving data from the user. This feature is implemented in the waiter screen under ‘Edit Menu’. Therefore, I will be testing this through Postman to see if it works behind the frontend.





	food_id	food_name	food_description	calories	price	available
1	4	Classic Tomato Salad	Sweet tomatoes mixed with fresh veg for a flavour-bomb of a s…	95	5.6	☑
2	6	Spicy Taco	A Taco filled with a bomb of spice and flavour	130	3.6	☑
3	2	Chicken Burrito	Chicken goodness wrapped in a soft tortilla	260	6.2	☑
4	11	Beef Taco	A Taco filled with beef	2135	17	☑
5	3	Mexican Grilled Corn	Corn on the cob grilled to perfection and smothered with a la…	153	3.8	☑
6	32	Chicken Wings	Literally chicken wings	300	25	☐
7	30	Scrum Daddy is Tasty	Big Bulgy Yummy	9000	123	☐
8	35	Chicken Wings	8 Grilled Chicken Wings	345	7	☑
9	8	Bat soup	Very tasty Bat soup	9001	15	☑
10	10	Add another thingy pls	Have I know clue what?	21	42.42	☐
11	27	Backend surprise!	A spicy new recipie served straight from the backend	2	11.11	☐
12	15	Pretend it's Edible	We're really getting desperate here...	500	5.36	☐
13	1	Homemade Nachos Platter	Crunchy tortilla chips with a spicy salsa on top	303	9.1	☐
14	26	Homemade Cronchy Nachos Platter	Cronchy tortilla chips with a spicy salsa on top.	202	9.1	☑
15	16	Fish Taco	A taco wrapped in fish	420	13.37	☑
16	7	Chicken and Black Bean Tostadas	Spicy chicken on a soft tortilla spiced up with a delicious s…	200	3.49	☑
17	5	Vegetarian Burrito	Good for the heart vegetables wrapped in a soft tortilla	256	6.2	☑
18	9	Mexican Japanese American food	A mix of many cultures impersonating each other	2034	59.99	☑
19	12	Chicken Taco	A Taco filled with high protein chicken	323	10	☑
20	14	Chicken Wings	Literally chicken wings	343	25	☐
21	34	Chicken Wings	Fresh Chicken Wings	330	25	☐
22	13	Vegan Burrito	A burrito, but for eco-warriors	200	30	☐
23	33	Chicken Wings	Fresh Chicken Wings	330	25	☐
24	28	Test Name	bla bla	100	111111	☐
25	31	Spanish Pizza	A pizza? Mexican?	2	9	☐
26	29	Test Name	bla bla	100	100500	☐

The first screenshot is showing the UI of the menu screen before any tests that will occur. Also, the database snipped displays a list of all the items and their properties such as calories, price and description. The screenshot below shows the setup of Postman which I have made. I will be querying the params shown below such as the name, price, calories etc. I have also entered a suitable value for each key as they have a set type.

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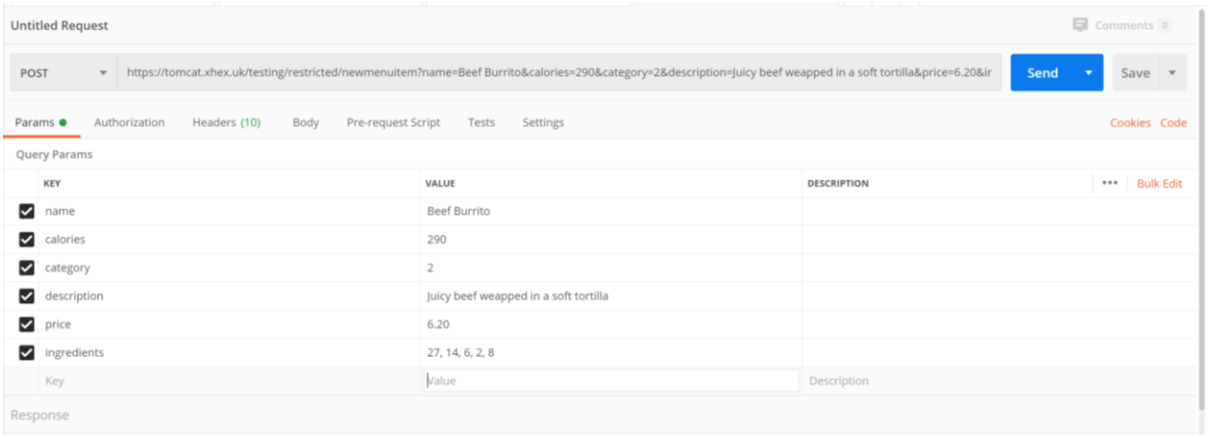
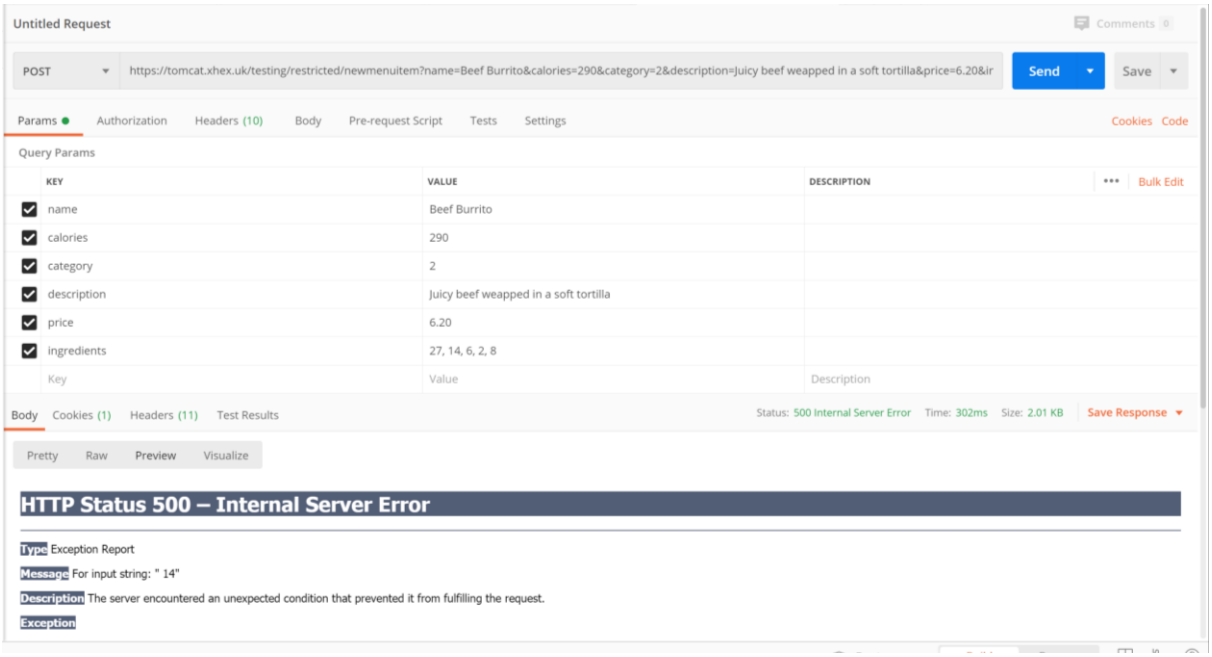


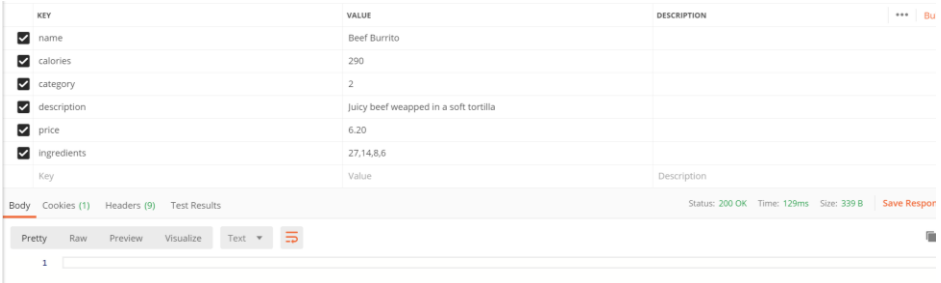
Expected Result

When I send the POST request, I expect the data to be sent and applied to the database which results in a new menu item being created. Also, I will check that the new item appears on the menu screen on the application correctly without any formatting issues such as wrong type of price entry or word limit for the description.

Actual Result



I received an internal server error when I attempted to send the request as there was an error for inputting the string ‘14’. The error had was involved with writing the list of numbers which represent the different ingredients.



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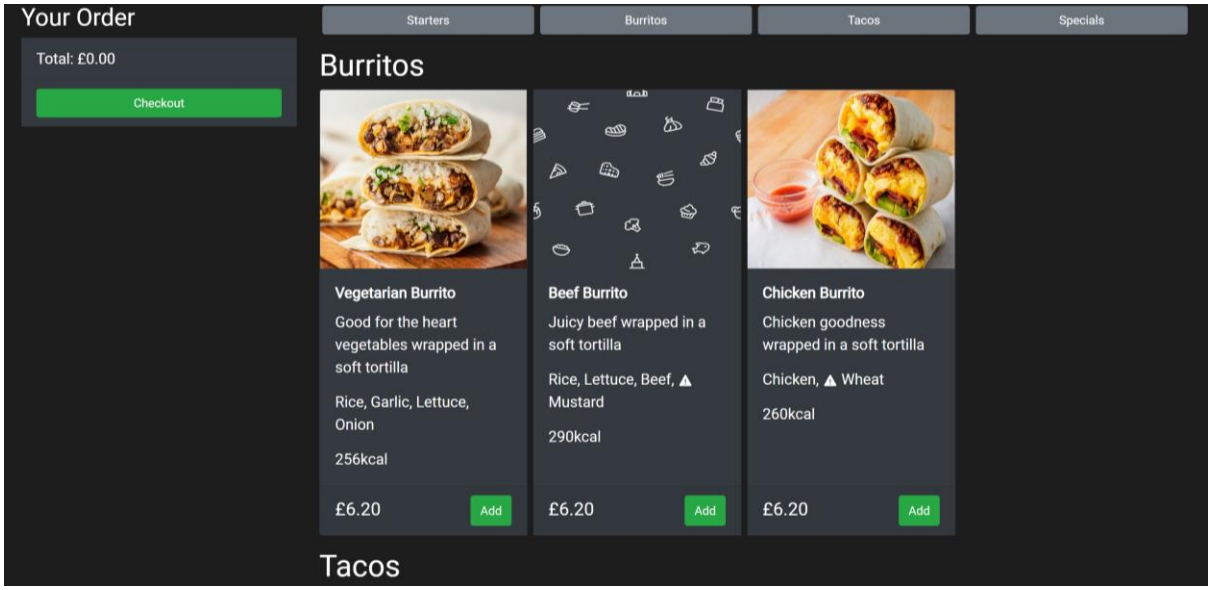
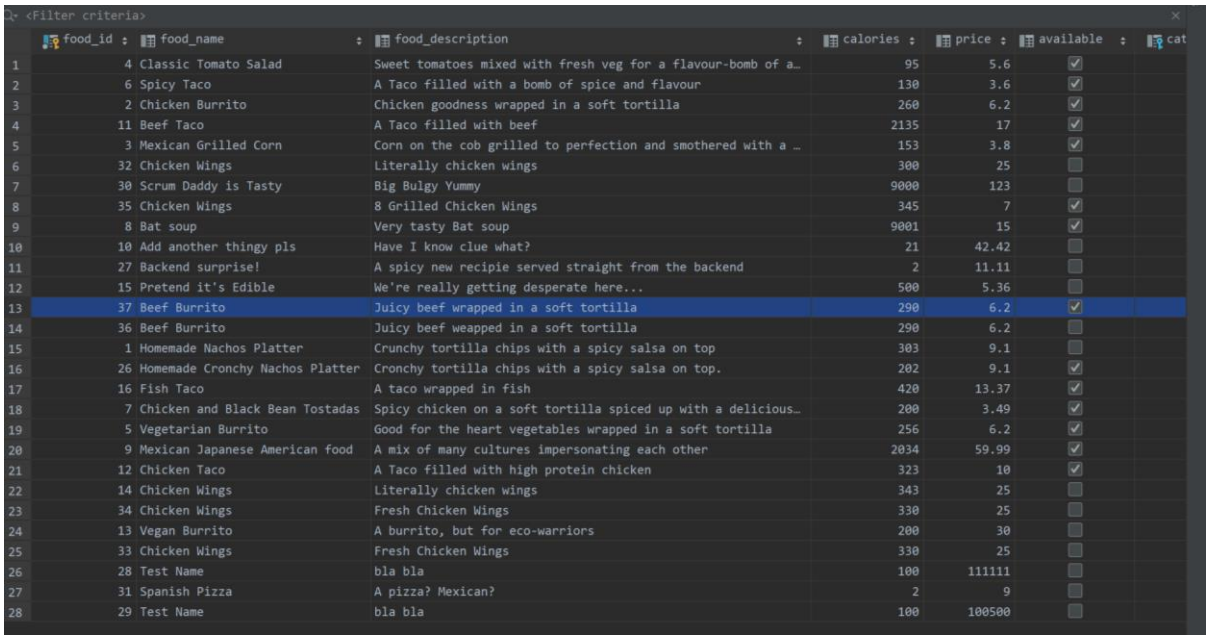
I had found out the way the data is entered affected the POST request. The list of integers needed to have no spaces in between. This could have been a set format by the way the endpoint was designed in code or how the server handles lists. However, there were no remaining issues.





<Filter criteria>

	food_id	food_name	food_description	calories	price	available	cat
1	4	Classic Tomato Salad	Sweet tomatoes mixed with fresh veg for a flavour-bomb of a…	95	5.6	☑	
2	6	Spicy Taco	A Taco filled with a bomb of spice and flavour	130	3.6	☑	
3	2	Chicken Burrito	Chicken goodness wrapped in a soft tortilla	260	6.2	☑	
4	11	Beef Taco	A Taco filled with beef	2135	17	☑	
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6	32	Chicken Wings	Literally chicken wings	300	25	☐	
7	30	Scrum Daddy is Tasty	Big Bulgy Yummy	9000	123	☐	
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10	10	Add another thingy pls	Have I know clue what?	21	42.42	☐	
11	27	Backend surprise!	A spicy new recipie served straight from the backend	2	11.11	☐	
12	15	Pretend it's Edible	We're really getting desperate here...	500	5.36	☐	
13	37	Beef Burrito	Juicy beef wrapped in a soft tortilla	290	6.2	☑	
14	36	Beef Burrito	Juicy beef weapped in a soft tortilla	290	6.2	☐	
15	1	Homemade Nachos Platter	Crunchy tortilla chips with a spicy salsa on top	303	9.1	☐	
16	26	Homemade Cronchy Nachos Platter	Cronchy tortilla chips with a spicy salsa on top.	202	9.1	☑	
17	16	Fish Taco	A taco wrapped in fish	420	13.37	☑	
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From the screenshots above, you can see that the test was successful, and the expected result was achieved. I decided not to insert an image myself, which ended up being a default image set by the frontend. From the database list of foods, you can see that food_id 37 is the newly placed item, which has all the properties which I listed.