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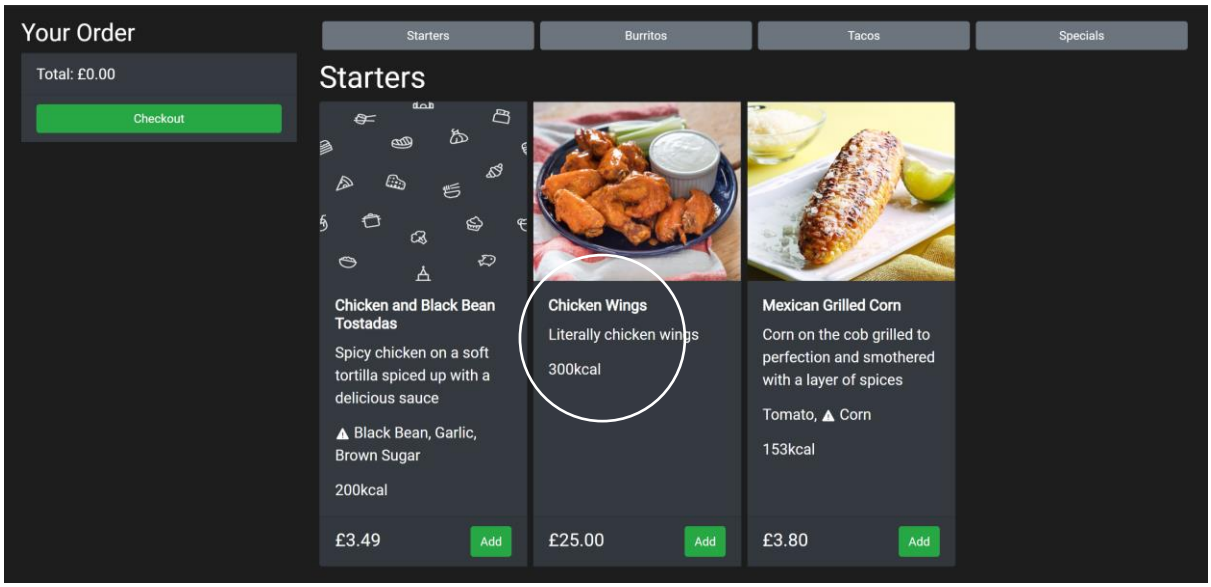
TEST 3 (Using POSTMAN)

Test – Testing ‘EditMenuItem’ endpoint by manipulating the POST and DELETE method

in this test report I will be testing the ‘EditMenuItem’ endpoint which allows for the creation of a new menu item, removal of an item from the menu and editing of a current menu item. The first part of this report is testing the POST method which involves editing menu items. Here is an example of a menu item before change, with database evidence.



	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	29	Test Name	bla bla	100	100500	☑
4	2	Chicken Burrito	Chicken goodness wrapped in a soft tortilla	260	6.2	☑
5	11	Beef Taco	A Taco filled with beef	2135	17	☑
6	3	Mexican Grilled Corn	Corn on the cob grilled to perfection and smothered with a la…	153	3.8	☑
7	30	Scrum Daddy is Tasty	Big Bulgy Yummy	9000	123	☐
8	8	Bat soup	Very tasty Bat soup	9001	15	☑
9	27	Backend surprise!	A spicy new recipie served straight from the backend	2	11.11	☐
10	15	Pretend it's Edible	We're really getting desperate here...	500	5.36	☐
11	1	Homemade Nachos Platter	Crunchy tortilla chips with a spicy salsa on top	303	9.1	☐
12	26	Homemade Cronchy Nachos Platter	Cronchy tortilla chips with a spicy salsa on top.	202	9.1	☑
13	32	Chicken Wings	Literally chicken wings	300	25	☑
14	10	Add another thingy pls	Have I know clue what?	21	42.42	☑
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	☐

As you can see the item ‘Chicken Wings’ is going to be the test subject. As you can see from the database, the item has an id, description, calorie number, price and availability. These values can be edited, normally, by the waiter from the waiter menu. However, using postman, will show how I can change specific values and test the POST method from the relevant endpoint.

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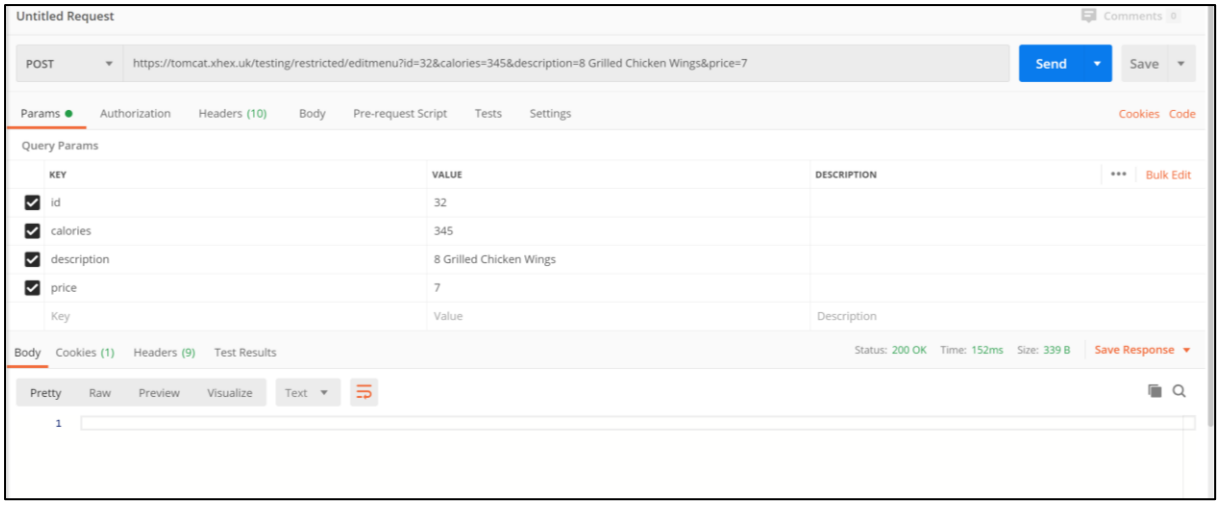
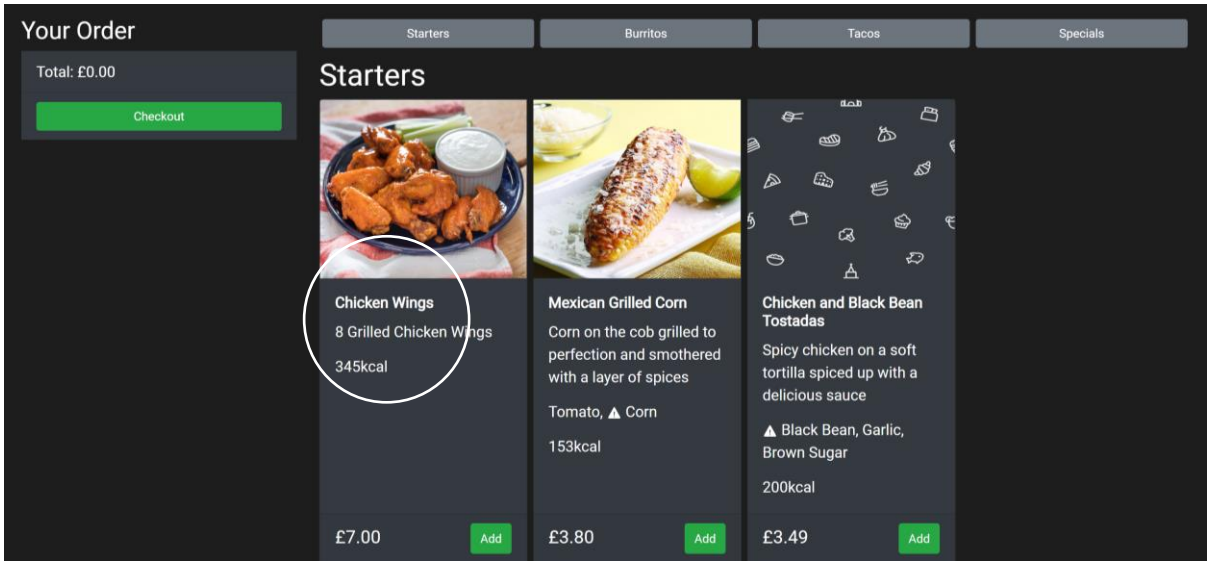


As you can see above I am using the POST request and the URL is stated as 'https://tomcat.xhex.uk/testing/restricted/editmenu?id=32&calories=345&description=8 Grilled Chicken Wings&price=7'. To change the entities of an item I need to insert 'params'. I first needed to state the id of the chicken wings item which was 32. I found this from the database under 'food_id'. I decided to change the calories, description and price of the item. I gave the correct type of value for each such as a string, int or big decimal.

Expected

When I click on send, to send the request to tomcat, I expect it to change the values in the database to the ones given from the data which I inputted. This should result in a change to the UI of the menu screen. I expect the item to either update or create a duplicate and update the duplicate. This can give the waiter a chance to compare the item and decide which to keep.

Result



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5	3	Mexican Grilled Corn	Corn on the cob grilled to perfection and smothered with a …	153	3.8	☑
6	35	Chicken Wings	8 Grilled Chicken Wings	345	7	☑
7	8	Bat soup	Very tasty Bat soup	9001	15	☑
8	26	Homemade Cronchy Nachos Platter	Cronchy tortilla chips with a spicy salsa on top.	202	9.1	☑
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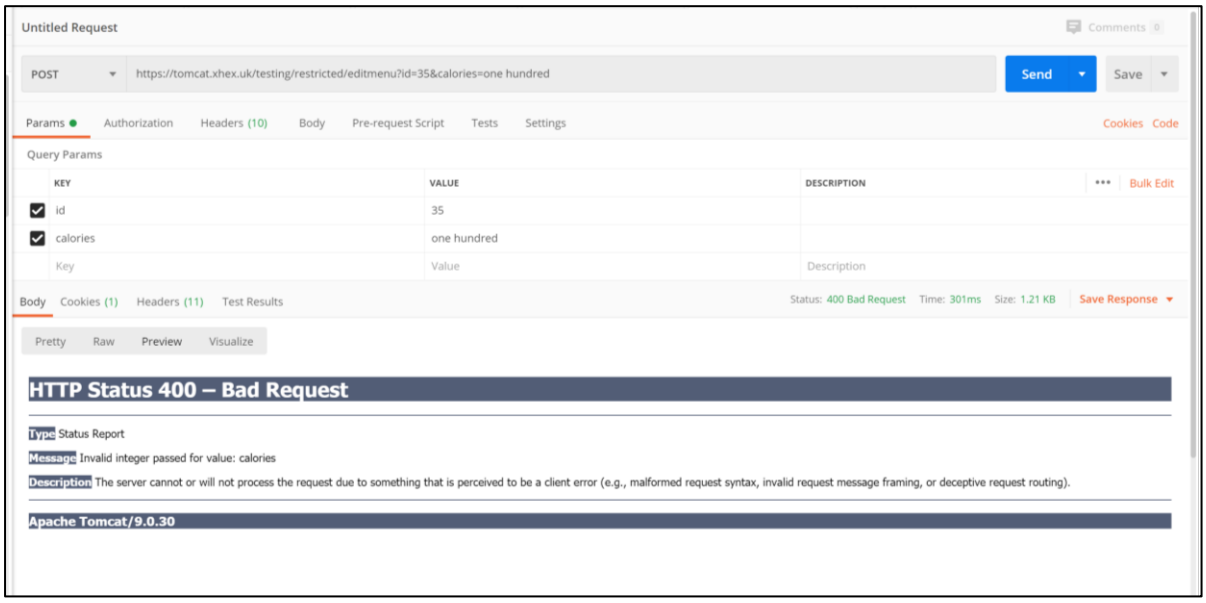
As you can see above, a new item has been created into the database with the id as 35 rather than 32. The changes have been applied to the database and the original item has stayed in the database however it has been stated as false for ‘available’. This results in item 32 not showing on the menu screen on the application. The changes such as description, calories and price have been successfully updated to the item on the menu screen as expected.



If the user attempts to enter a string for an int value for example, they will receive a bad request error instead of placing an incorrect value type into the database. This is also secured, as the database design structured these keys.

From the waiter screen the user can also delete an item on the menu by their given ID. This can also be done through postman by changing the request to DELETE. This turns the ‘available’ Boolean to false for the given item. If any other number which is not part of the food list on the database, nothing happens. We could prevent this by having a verification loop in the endpoint to check if the ID is in the database, but this was very difficult.