Activity 5 Part 1: REST Services

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Screenshots:

A screenshot of a computer program

Description automatically generated with medium confidence

Here we took a copy of the products controller and edited it with Http puts and gets to turn it into an api controller. In this screenshot, you can see the api view of the products in the database.

A screenshot of a computer

Description automatically generatedHere we tested out the searchProducts portion through the API. Here we searched for soup and these are our results.

A screenshot of a computer

Description automatically generated with medium confidence

Here we tested the showoneproduct method. As you can see, we searched for a product with the id of 5. The screenshot is the result of searching for product id 5.

Postman Portion:

A screenshot of a computer

Description automatically generated with medium confidence

Here we show a screenshot testing the connectivity of the Index api to our website. You can see our products list in the results body.

A screenshot of a computer

Description automatically generated with medium confidence

Here we tested the get function of postman in our searchproducts for lamb through our database. The results for lamb are all shown in the lower pane of the application.

A screenshot of a computer

Description automatically generated with medium confidence

Here we searched for a product by id being product number 8. Results of the search are shown in the lower pane.

A screenshot of a computer

Description automatically generated with medium confidence

Here we tested the processedit function within the api. We edited product number 2 to the hotdog. The edit result is shown on the lower pane with a status of 200.

Summary of key concepts:

In this assignment we learnt how to add tags and routes to essentially ad a RESTful API into one of our recurring activity projects. We copied our products controller and edited it with HttpGet and Httpput methods all returning in JSON format in order for the controller to fetch and/or add products from our database. We then used a program called Postman to test the API functionality through a separate source verifying that the RESTful API was initialized and working correctly. This project ties in with our first discussion question and shows us how they are made and how the information is pulled from a secondary source easily.