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CS 234N

Postman APi testing notes

My github for the project is <https://github.com/maracw/ScheduleBrew-Bits/tree/WebAPI>

Screenshots are in Supporting Documents

Notes:

I only wrote Get endpoints for Style and Recipe models. In ScheduleBrew, the user won’t add, delete, or update styles or recipes.

My Batch model put/post/delete methods aren’t working yet. I think it has to do with it being a complex object (with a Recipe and a Style object). I’m not sure how to fix this. Notes about what http codes I get are on the next page.

I worked out how to make a query endpoint with search in the routing.

Doing the api tests has helped me think more about what actions the user will do on the page. I added Get requests for finding a batch by date, and finding recipes and styles by name.

I’m not sure if 404 Not Found is what I want when the user searches by name or date and finds no batches.

Right now, I’m returning not found by using this

if (batches.Count==0)

{

return NotFound();

}

Which gives a 404. Is that what I want, or is it better to return an empty array?

The code for that looks like:

if (batches==null)

{

return NotFound();

}

The array is empty but not null. It gives ‘[]’ as a response. Which is better?

I have done unit tests on a multiple table join that would show batch information with Style name and Recipe Name. There may be a better way to do this. I have not tested it in Postman yet.

Put/Update

In postman I got a 405 error and then a 500 error.

I tried in Swagger’s webpage. This error came back:

|  |
| --- |
| Error: Bad Request  **Response body**  **Download**  {  "type": "https://tools.ietf.org/html/rfc7231#section-6.5.1",  "title": "One or more validation errors occurred.",  "status": 400,  "traceId": "00-1e1c19973e863ee10242918853904563-1d53d8faf6a28f3b-00",  "errors": {  "Recipe": [  "The Recipe field is required."  ],  "Equipment": [  "The Equipment field is required."  ]  }  } |

Does this mean the recipe object needs to be included? Is the Id not enough?

Checking in MySql to see what succeeded. I notice that batchId is actually batch\_Id. Does that matter?

Add-

In postman, I get 415 unsupported media type - it needs to be json in the body form. I change that and I get

{

"type": "https://tools.ietf.org/html/rfc7231#section-6.5.1",

"title": "One or more validation errors occurred.",

"status": 400,

"traceId": "00-55664fb25bab995184f73f17e5aa63db-7cbe804f6d4e246a-00",

"errors": {

"Recipe": [

"The Recipe field is required."

],

"Equipment": [

"The Equipment field is required.”

]

}

Do I need to send a recipe body too? Checking in the Model The non null fields are:

public int BatchId { get; set; }

public int RecipeId { get; set; }

public int EquipmentId { get; set; }

public double Volume { get; set; }

My request includes recipeid (i tried RecipeId as well).