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Homework 15

*** Prof Mertz gave me permission to use mongoose as a library that sits on top of MongoDB and not make direct calls through mongoDB in the express app. ***

url: <https://hw15-gsmszatlai.now.sh>

What is being modeled (copied from proposal):

Models

User – id, name, username, email, password, active

GroceryList –id, userID, [itemList], date, active

SavedRecipe – name, recipeID, userID, saveDate

Controllers

User Profile

```
app.get("/user/:id", getUserByID); // for the profile page
app.post("/user/:name/:username/:email", createUser); //creates user
```

Grocery List Tab

```
app.get("/grocery/ ", getAllLists); // Gets lists associated with that user
app.get("/grocery/:id", getListById); // Gets specific list
app.delete("/grocery/:id", deleteList); // Deletes specific lists
app.put("/grocery/:id/:items", addItem); // Adds an item or list of items to the list
app.post("/grocery/:name/:items", createList); //creates a new list for user with items
```

Saved Recipes

```
app.get("/saved/ ", getAllSavedRecipes); // Gets all saved recipes for the logged in user from the db
app.get("/saved/:id ", getSavedRecipeById); // Gets specific saved recipe
app.delete("/saved/:id ", deleteSavedRecipe); // Deletes from db
app.post("/saved/:name/:recipeID/ ", saveRecipe); // Stores name and ID of recipe to be "saved" in db
```

Testing:

If you start at the index.html page of the URL provided you will see links to the three persistently stored models for my final project. Each link will bring you to a page that tests the different CRUD functionalities of that model. At the top of each page you can create that model and if created successfully the response

will appear at the bottom of the page. For each functionality listed the user will see the response at the bottom of the page.

Users

When you create a new user, if created the response will show a success

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Users

username

password

Create

username

Get By Username

Get All

Response: Sucessfully Created

If you then search (GET request) that user by their username, it'll return the value from the db

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Users

username

password

Create

username

Get By Username

Get All

Response: [{"_id":"5a1386a1afed69568faffb1c","username":"bob","password":"\$2a\$10\$BFtibyhoKoFPA.DCiKT82eHXBh3rwCqdWOeoTG1tuz8tLKFGNiF3K","__v":0}]

Clicking “Get All” will return all entries for user (notice the passwords are hashed)

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Users

username

password

Create

username

Get By Username

Get All

Response:

```
{{"_id":"5a13867fafed69568fafb1a","username":"erindieringer","password":"$2a$10$xuNh.EV9OWsgO4/WMOV2V.x7ly9E5qko8H8SBR8ckSkDPMvwws1J2","__v":0}, {"_id":"5a138687afed69568fafb1b","username":"janedoe","password":"$2a$10$.TQNTIa5UnS/drDAyvq2dukukG3ixVX2.RjXhUJu1fi5x.RXYqj3","__v":0}, {"_id":"5a1386a1afed69568fafb1c","username":"bob","password":"$2a$10$BFtbyhoKoFPA.DCiKT8zeHXBh3rwCqdWOeoTG1tuz8tLKFGNiF3K","__v":0}}
```

Grocery Lists

Create a list with a name, and items (just limited to three for this test) and the response shows it's created.

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Grocery Lists

name

item 1

item 2

item 3

Create

name

item

Add Item to Existing List

name

Get By Name

Get All

name

Delete By Name

Response: Sucessfully Created

If I want to add something to that list I type in the name and the new item and the response shows the successful modification went through

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Grocery Lists

name

item 1

item 2

item 3

Create

name

item

Add item to Existing List

name

Get By Name

Get All

name

Delete By Name

Response: {"n":1,"nModified":1,"opTime":{"ts":"6490681004372525058","t":1},"electionId":"7ffffff00000000000000001","ok":1}

I can through all lists for that one I just made by name to make sure it was created and updated

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Grocery Lists

name

item 1

item 2

item 3

Create

name

item

Add item to Existing List

name

Get By Name

Get All

name

Delete By Name

Response: [{"_id":"5a1387bfafed69568faffb1d","name":"Thanksgiving","dateCreated":"2017-11-21T01:56:15.386Z","__v":0,"itemList":["Turkey","Stuffing","Cranberries","Pie"]}]]

Clicking “Get All” will retrieve all entries

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Grocery Lists

name
item 1
item 2
item 3

name
item

name

name

Response: [{"_id":"5a1387bfafed69568faffb1d","name":"Thanksgiving","dateCreated":"2017-11-21T01:56:15.386Z","__v":0,"itemList":["Turkey","Stuffing","Cranberries","Pie"]}, {"_id":"5a1387d0afed69568faffb1e","name":"Sunday","dateCreated":"2017-11-21T01:56:32.792Z","__v":0,"itemList":["Bread","Milk","Eggs"]}, {"_id":"5a1387e4afed69568faffb1f","name":"For Party","dateCreated":"2017-11-21T01:56:52.096Z","__v":0,"itemList":["Brie","Wine","Bread"]}]

Entering “thanksgiving” in the delete will delete that record.

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Grocery Lists

name
item 1
item 2
item 3

name
item

name

name

Response: Sucessfully Deleted

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Grocery Lists

name
item 1
item 2
item 3

name
item

name

name

Response: [{"_id":"5a1387bfafed69568faffb1d","name":"Thanksgiving","dateCreated":"2017-11-21T01:56:15.386Z","__v":0,"itemList":["Turkey","Stuffing","Cranberries","Pie"]}, {"_id":"5a1387d0afed69568faffb1e","name":"Sunday","dateCreated":"2017-11-21T01:56:32.792Z","__v":0,"itemList":["Bread","Milk","Eggs"]}]

Saved Recipes

This section is a little different now than it will act in my final app. The yummllyID being stored would come from the third party api but for now I'm using tester fake IDs for this. Each saved recipe (and list above) would also be assigned to a user but I have it currently so that field is automatically populated with an ID. Once the authentication is working, the user will be included.

A user can save a recipe by entering the name and id of it.

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Saved Recipes

name
yummllyID

name

yummllyID

Response: Sucessfully Created

They can then get that record by calling by the name (simulates the show page of a recipe, could also do by ID)

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Saved Recipes

name

yummlyID

Save to your recipes

name

Get by name

Get All

yummlyID

Delete by ID

Response: [{"_id":"5a1391e6c895d47c43a9212b","name":"sugar cookies","recipeID":"id6","savedDate":"2017-11-21T02:39:34.391Z","user":"5a135880413cb99585e0692f","__v":0}]

Get All will show all records for recipes

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Saved Recipes

name

yummlyID

Save to your recipes

name

Get by name

Get All

yummlyID

Delete by ID

Response: [{"_id":"5a13917ec895d47c43a92126","name":"pumpkin pie","recipeID":"id1","savedDate":"2017-11-21T02:37:50.945Z","user":"5a135880413cb99585e0692f","__v":0},{ "_id":"5a13918bc895d47c43a92127","name":"roasted turkey","recipeID":"id2","savedDate":"2017-11-21T02:38:03.039Z","user":"5a135880413cb99585e0692f","__v":0},{ "_id":"5a13919bc895d47c43a92128","name":"Moscow mule","recipeID":"id3","savedDate":"2017-11-21T02:38:19.039Z","user":"5a135880413cb99585e0692f","__v":0},{ "_id":"5a1391a4c895d47c43a92129","name":"latte","recipeID":"id4","savedDate":"2017-11-21T02:38:28.921Z","user":"5a135880413cb99585e0692f","__v":0},{ "_id":"5a1391b1c895d47c43a9212a","name":"mashed cauliflower","recipeID":"id5","savedDate":"2017-11-21T02:38:41.246Z","user":"5a135880413cb99585e0692f","__v":0},{ "_id":"5a1391e6c895d47c43a9212b","name":"sugar cookies","recipeID":"id6","savedDate":"2017-11-21T02:39:34.391Z","user":"5a135880413cb99585e0692f","__v":0}]

Deleting by the ID will delete it from the records.

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Saved Recipes

name

yummlyID

Save to your recipes

name

Get by name

Get All

yummlyID

Delete by ID

Response: Successfully Deleted

Getting all again will show that this was deleted successfully

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Saved Recipes

name

yummlyID

Save to your recipes

name

Get by name

Get All

yummlyID

Delete by ID

Response: [{"_id":"5a13917ec895d47c43a92126","name":"pumpkin pie","recipeID":"id1","savedDate":"2017-11-21T02:37:50.945Z","user":{"_id":"5a135880413cb99585e0692f","__v":0}},{"_id":"5a13918bc895d47c43a92127","name":"roasted turkey","recipeID":"id2","savedDate":"2017-11-21T02:38:03.039Z","user":{"_id":"5a135880413cb99585e0692f","__v":0}},{"_id":"5a13919bc895d47c43a92128","name":"Moscow mule","recipeID":"id3","savedDate":"2017-11-21T02:38:19.039Z","user":{"_id":"5a135880413cb99585e0692f","__v":0}},{"_id":"5a1391b1c895d47c43a9212a","name":"mashed cauliflower","recipeID":"id5","savedDate":"2017-11-21T02:38:41.246Z","user":{"_id":"5a135880413cb99585e0692f","__v":0}},{"_id":"5a1391e6c895d47c43a9212b","name":"sugar cookies","recipeID":"id6","savedDate":"2017-11-21T02:39:34.391Z","user":{"_id":"5a135880413cb99585e0692f","__v":0}}]