Food Voter App Service Layers Redesign

Andrew DeLeon

SWDV 691

November 5, 2021

Endpoints and Responses

Users

Found on the home page which is where the user can login or create an account.

1) POST/CreateAccount

    a. Used to create the user when they are new to the application.

    b. Example Successful Response 200:
      {"id": "1",
       "first name":string,
      "last name":string,
      "username": string
       "email":string,
       "password": string}

    c. Example of Unsuccessful Response
      {"id": "1",
      "first name":string,
      "last name": ''
      "username": string
      "email":string,
      "password": string}
      Any required information that is missing would prompt the user to input that information

2) GET/login
    a. Used when the user logins to the application. Will ask for the username and password, which are required. If the username or password are not recognized, then they will receive a 400 error for invalid username or password.
    b. Example of Successful Response:
      {"username": string,
       "password":string}
    c. Example of Unsuccessful Response:
      {"username": string,
       "password":} No password entered or incorrect password. Or if the username is not recognized.
3) PUT/ update password
    a. Used when a user forgets their password and they need to update it.
    b. Example
    {"first name": string,

"last name": string,
"username": string,
"user email": string}

    c.   An invalid response occurs if any of that data is not filled in or does not match somewhere in the system. Such as a username does not match or the email does not match.

<u>Voting Poll</u>

4) POST/votingpoll
    a. Used when the user would like to post a voting poll. From here they can invite people from their contacts as well. The voting poll will show the different foods that users are voting on.
    b. Example
    {'poll name': string,
     'option 1': string,
     'option 2': string,
     'option 3': string,
     'option 4': string,
     'option 5': string,
     'friend 1': string,
     'friend 2': string}

5) GET/voting results
    a. Used after the voting poll has closed and the user would like to see the results from the poll.
    b. Example
    {'poll name': string,
     'Avg option 1': number,
     'Avg option 2': number,
     'Avg option 3': number,
     'Avg option 4': number,
     'Avg option 5': number}

6) POST/finalresults
    a. User can take the results from the voting poll and post them within the group so that they will know what the decision is for the food that will be eaten. Final results will be on a different page and sent out to the contacts.
    b. Example
    {'poll name': string,
     'contact first name': string,
     'contact last name': string,
     'contact email': string,

'MostVoted': string}

<u>Contacts:</u>
    7) Post/invite
        a. This will be when a user wants to invite someone from their contacts to the voting polls.
        b. Example
        {'contact firstname': string,
         'contact lastname': string,
         'contact email': string,
         'contact phone number': number,
         'contact acceptance': Boolean,
         'poll name': string}

Sample Diagram

Create
User

User   information stored

Create
Poll

Poll Information stored

Database

Vote

Voting Results stored

Get
Result

Receive results