Easy Chef

This documentation provides the design of models, as well as the full list of all API endpoints, a short **description**, their methods, and the payloads

CustomUser Model

"email": EmailField,

"username": CharField,

"password": CharField,

"first_name": CharField,

"last_name": CharField,

"phone_number": CharField,

"avatar": ImageField

ShoppingList Model

"account": ForeignKey (CustomUser)

ShoppingListItem Model

"shopping_list": ForeignKey (ShoppingList),

"recipe": ForeignKey (ShoppingList),

"servings": PositiveIntegerField

Recipe Model

"name": CharField,
"av_rating": DecimalField,
"num_rated": PositiveIntegerField,
"total_rating": PositiveIntegerField,
"likes": PositiveIntegerField,
"Author": ForeignKey(CustomUser)
"main_vid": FileField,
"main_img": ImageField,

"prep_time": PositiveIntegerField,
"cook_time": PositiveIntegerField,
"total_time": PositiveIntegerField,
"diets": CharField,
"cuisine": CharField,
"servings": PositiveIntegerField,
"base_recipe": ForeignKey(Recipe)

Ingredient Model

"name": CharField, pk

RecipeIngredient Model

"recipe": ForeignKey(Recipe)

"Ingredient": ForeignKey (Ingredient),

"base_amount": DecimalField

"serving_amount": DecimalField

"measruing_unitt": CharField

RecipeIngredient Model

"recipe": ForeignKey(Recipe)

"vidt": FileField

"img": ImageField

"number": PositiveIntegerField

"title": CharField

"description": TextrField

"time_taken": PositiveIntegerField

RecipeIngredient Model

"recipe": ForeignKey(Recipe)

"content": TextField

"commenter": ForeignKey(CustomUser)

API endpoint: localhost:8000/accounts/register/
Description: Registers a user in the db
Methods: Post
Payload:

Key	Value Description
username	username, type string, required
email	email, type email, required
password	password, type string, required
phone_number	phone number
first_name	first name
last_name	last name
avatar	image selected for avatar, type image upload

API endpoint: localhost:8000/accounts/login/
Description: Login a valid user, generates an access and refresh token in response
Methods: Post
Payload:

Key	Value Description
email	email
password	password

API endpoint: localhost:8000/accounts/all/
Description: Lists all accounts in the db
Methods: Get
Payload: None

API endpoint: localhost:8000/accounts/profile/<int:id>/
Description: Lists the user contents with given id
Methods: Get
Payload: None

API endpoint: localhost:8000/accounts/profile/<int:id>/edit/
Description: Edit the user fields for user with id <int:id>
Methods: Patch

Key	Value Description
username	username
email	email
password	password
phone_number	phone number
first_name	first name
last_name	last name
avatar	image selected for avatar

API endpoint: localhost:8000/ShoppingList/<int:id>/details/
Description: Lists all the shopping list contents with shopping list id <int:id>
Methods: Get
Payload: None

API endpoint: localhost:8000/ShoppingList/<int:id>/recipes/
Description: Lists all recipes in the shopping list with shopping list id <int:id>
Methods: Get
Payload: None

API endpoint: localhost:8000/ShoppingList/<int:id>/ingredients/
Description: Lists all ingredients (combined) in the shopping list with shopping list id <int:id>
Methods: Get
Payload: None

API endpoint: localhost:8000/ShoppingList/<int:id>/update/
Description: Add or Delete a item in the shopping list with shopping list id <int:id>
Methods: Post, Delete
Payload:

Key	Value Description
recipe	recipe denoted by id
servings	the number of servings

API endpoint: localhost:8000/ShoppingList/all/
Description: Lists all shopping lists and their respective owners
Methods: Get
Payload: None

Rate

API endpoint: localhost:8000/RecipeDetails/Recipe/<int:id>/update/rating/

Description: rate the recipe with id <int:id>, by the value in the payload <rating>

Methods: Patch

Payload:

Key	Value Description
rating	An integer from 1-5

Like

API endpoint: localhost:8000/RecipeDetails/Recipe/<int:id>/update/like/

Description: like or unlike the recipe with id <int:id>, depending on the payload <like>

Methods: Patch

Payload:

Key	Value Description
like	A boolean value

Comment

API endpoint: localhost:8000/RecipeDetails/Recipe/<int:id>/createcomment/

Description: comment on the recipe with id <int:id>, with the contents in the payload <content>

Methods: Post

Payload:

Key	Value Description
content	Text field

Create Recipe

API endpoint: localhost:8000/RecipeDetails/createrecipe/

Description: create a recipe, along with its ingredients and steps

Methods: Post

Payload:

Key	Value Description
name	Name of the recipe
prep_time	Preparation time
cook_time	Cooking time
total_time	Total time
diets	Diet
cuisine	Cuisine
step_count	The number of steps in this recipe
i_number	The step number of the ith step

i_title	The step title of the ith step
i_description	The step description of the ith step
i_time_taken	The step time of the ith step
base_recipe	The id of the base recipe of this recipe
ingredient_count	The number of ingredients in this recipe
i_ingredient	The Ingredient of the ith recipe ingredient
i_base_amount	The base amount(amount with 1 serving) of the ith recipe ingredient
i_measuring_unit	The measuring unit for the ith recipe ingredient

Display Recipe
API endpoint: localhost:8000/RecipeDetails/Recipe/<int:id>/
Description: display the recipe with id <int:id>
Methods: Get
Payload: None

Change Servings
API endpoint: localhost:8000/RecipeDetails/Recipe/<int:id>/update/servings/
Description: change the servings amount of the recipe with id <int:id> by the payload <servings>
Methods: Patch
Payload:

Key	Value Description
servings	The number of servings

Delete Recipe
API endpoint: localhost:8000/RecipeDetails/Recipe/3/delete/
Description: delete the recipe with id <int:id>
Methods: Delete
Payload: None

Prefill Recipe
API endpoint: localhost:8000/RecipeDetails/createrecipe/prefill/
Description: retrieve the information of the recipe in the payload <base_recipe>
Methods: Get
Payload:

Key	Value Description
base_recipe	The id of the base recipe