Interface definition document

Project: Mixbook

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# API

## Ingredient

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property name** | **Example value** | **Priority** | **Type** | **Description** |
| id | 3 | M | int | id |
| amount | 2 | O | int | amount |

## Ingredient\_GET

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property name** | **Example value** | **Priority** | **Type** | **Description** |
| id | 99 | M | int | id |
| name | Fanta | M | String | name |
| description | Sweet | O | String | description |
| unit | pc | M | String | unit |
| amount | 20 | O | int | amount |

## AddIngredient

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property name** | **Example value** | **Priority** | **Type** | **Description** |
| id | 32 | M | int | id |
| amount | 20 | M | int | amount |

## DeleteIngredient

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property name** | **Example value** | **Priority** | **Type** | **Description** |
| id | 72 | M | int | id |

## ModIngredient

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property name** | **Example value** | **Priority** | **Type** | **Description** |
| id | 2 | M | int | id |
| amount | 15 | M | int | amount |

# Endpoints

## Create recipe

For creating new recipe.

### Request

localhost:3001/api/recipes/ -X POST -H 'Content-Type: application/json'

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property name** | **Example value** | **Priority** | **Type** | **Description** |
| name | Pepsi | M | String | Name of drink |
| description | Taste it! | O | String | How to make it |
| preparationLength | 2 minutes | O | String |  |
| ingredients |  | O | Array of [Ingredient](#_Ingredient) | What you need |

Example:

{

"name": "Coca Cola",

"description": "just mix it",

"preparationLength": "13",

"ingredients": [{

"id": 4,

"amount": 5

},{

"id": 5,

"amount": 7

}]

}

### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property name** | **Example value** | **Priority** | **Type** | **Description** |
| id | 23 | M | int | If of recipe |
| name | Pepsi | M | String | Name of drink |
| description | Taste it! | O | String | How to make it |
| preparationLength | 2 minutes | O | String |  |
| final\_amount | 2 | M | int | How many ingredients |

Example:

{

"id":69,

"name":"Coca Cola",

"description":"just mix it",

"preparation\_length":"13",

"final\_amount":2

}

## Delete recipe

For deleting recipes.

### Request

localhost:3001/api/recipes/{id} -X DELETE

Parameter id – id of recipe

### Response

Status – 204

Send – “Recipe id {id} was deleted.”

## Get recipes

To get all recipes with ingredients.

### Request

localhost:3001/api/recipes/ -X GET

### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property name** | **Example value** | **Priority** | **Type** | **Description** |
| id | 23 | M | int | If of recipe |
| name | Pepsi | M | String | Name of drink |
| description | Taste it! | O | String | How to make it |
| preparationLength | 2 minutes | O | String |  |
| final\_amount | 2 | M | int | How many ingredients |
| Ingredients |  | O | Array of [Ingredient\_GET](#_Ingredient_GET) | What you need |

## Update recipe

For modification of recipe.

### Request

localhost:3001/api/recipes/2 -X PUT -H 'Content-Type: application/json'

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property name** | **Example value** | **Priority** | **Type** | **Description** |
| name | Pepsi | M | String | Name of drink |
| description | Taste it! | M | String | How to make it |
| preparationLength | 2 minutes | M | String |  |
| addIngredients |  | O | Array of AddIngredient | Add ingredients |
| deleteIngredients |  | O | Array of DeleteIngredient | Delete ingredients |
| modIngredients |  | O | Array of ModIngredient | Modify ingredients |

Example:

{

"name": "Pepsi",

"description": "max without sugar",

"preparation\_length": "13",

"addIngredients": [{

"id": 4,

"amount": 5

},{

"id": 5,

"amount": 7

}],

"deleteIngredients":[{

"id": 6

}],

"modIngredients":[{

"id": 7,

"amount": 10

}],

}

### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property name** | **Example value** | **Priority** | **Type** | **Description** |
| id | 23 | M | int | If of recipe |
| name | Pepsi | M | String | Name of drink |
| description | Taste it! | O | String | How to make it |
| preparationLength | 2 minutes | O | String |  |
| final\_amount | 2 | M | int | How many ingredients |

Example:

{

"id":69,

"name":"Coca Cola",

"description":"just mix it",

"preparation\_length":"13",

"final\_amount":2

}

# curl commands

## Create recipe

curl localhost:3001/api/recipes/ -X POST -H 'Content-Type: application/json' -d '{

"name": "Pepsi",

"description": "max without sugar",

"preparation\_length": "13",

"ingredients": [{

"id": 4,

"amount": 5

},{

"id": 5,

"amount": 7

}]}'

## Delete recipe

curl localhost:3001/api/recipes/104 -X DELETE

## Get recipes

curl localhost:3001/api/recipes/ -X GET

## Update recipe

curl localhost:3001/api/recipes/2 -X PUT -H 'Content-Type: application/json' -d '{

"name": "Pepsi",

"description": "max without sugar",

"preparation\_length": "13",

"addIngredients": [{

"id": 4,

"amount": 5

},{

"id": 5,

"amount": 7

}],

"deleteIngredients":[{

"id": 6

}],

"modIngredients":[{

"id": 7,

"amount": 10

}],

}’