

API SISTEMA ZA UPRAVLJANJE ISHRANOM

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1 Uvod

Aplikacioni programski interfejs je komponenta ovog mobilnog IT ekosistema za upravljanje ishranom koja omogućava komunikaciju i razmenu podataka korisničke i administratorske aplikacije sa bazom.

Za razvoj API-ja korišćeno je Node.js radno okruženje, kao i Epress.js okvir. Pored ove dve tehnologije koje čine osnovu aplikacije, korišćene su i neke dodatne JavaScript biblioteke:

- „bcryptjs“ za enkripciju korisničke lozinke
- „body-parser“ za parsiranje podataka iz tela korisničkog zahteva
- „express-validator“ za validaciju podataka dobijenih u korisničkom zahtevu
- „jsonwebtoken“ za implementaciju autentifikacije korisnika

Na osnovu korisničkih zahteva definisane su sledeće putanje koje je potrebno implementirati u okviru API-ja za sistem za upravljanje ishranom.

1. /recipes
2. /recipes/upload
3. /recipes/admin
4. /recipes/single/:rid
5. /recipes/make-public/:rid
6. /recipes/unmake-public/:rid
7. /ingredients
8. /ingredients/upload
9. /ingredients/admin
10. /ingredients/single/:iid
11. /ingredients/make-public/:iid
12. /ingredients/unmake-public/:iid
13. /users
14. /users/signup
15. /users/login
16. /users/admin-login
17. /users/:uid
18. /shopping-list
19. /shopping-list/:slid
20. /recipe-categories
21. /recipe-categories/:rcid
22. /ingredient-categories
23. /ingredient-categories/:icid
24. /measurement-units
25. /measurement-units/:muid
26. /daily-nutrition
27. /daily-nutrition/:uid

U zavisnosti od HTTP metoda zahteva koji je poslat na neku od definisanih putanja, API izvršavi različite funkcije.

2 Pregled recepata

Opis funkcije	Pregled svih recepata iz baze podataka
HTTP metoda	GET
URL	/recipes/
URL parametri	(nema)
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	(nema)
Izlazni parametri	<p>Niz JSON objekata. Svaki element niza ima attribute id=[string], name=[string], instructions=[string], image=[string], ingredients=[ArrayOfObjects] gde svaki element niza ima attribute ingredient=[string] i amount=[int]; nutrition=[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; reviewRequested=[boolean], public=[boolean], category=[Object] sa atributima id=[string], name=[string] i displayName=[string]; i creator=[string].</p> <p>Primer:</p> <pre>[{ "id": "60609fbc8dbd14201c945395", "name": "Burger", "instructions": "Making a burger is easy...", "image": "https://imageBurgerUrl.com", "ingredients": [{ "ingredient": "6060939d454e162ae44ad716", "amount": 21 },], },]</pre>

	<pre> { "ingredient": "60609f918dbd14201c945393", "amount": 20 }], "nutrition": { "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2 }, "reviewRequested": false, "public": true, "category": { "name": "pork", "displayName": "Pork", "id": "605f7dfbd3895604b0df2be4" }, "creator": "605f66b7ea73553908b6a3bc" }, { "id": "606c1b960f070721c8210e32", "name": "Salad", "instructions": "Making a salad is easy...", "image": " https://imageSaladUrl.com ", "ingredients": [{ "ingredient": "6060939d454e162ae44ad716", "amount": 21, }, { "ingredient": "60609f918dbd14201c945393", "amount": 20, </pre>
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		<pre> }], "nutrition": { "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2, }, "reviewRequested": false, "public": true, "category": { "name": "salad", "displayName": "Salad", "id": "605f7dfbd3895604b0df2be4" }, "creator": "606c18d00f070721c8210e30", }] </pre>
Format parametara	izlaznih	application/json
Moguće greške		<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Fetching recipes failed, please try again later'

3 Pregled određenog recepta

Opis funkcije	Pregled određenog recepta iz baze podataka
HTTP metoda	GET
URL	/recipes/single/:rid
URL parametri	rid=[string] – Identifikator recepta
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	(nema)
Izlazni parametri	<p>JSON objekat koji ima attribute id=[string], name=[string], instructions=[string], image=[string], ingredients=[ArrayOfObjects] gde svaki element niza ima attribute ingredient=[string] i amount=[int]; nutrition=[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; reviewRequested=[boolean], public=[boolean], category=[Object] sa atributima id=[string], name=[string] i displayName=[string]; i creator=[string].</p> <p>Primer:</p> <pre>[{ "id": "60609fbc8dbd14201c945395", "name": "Salad", "instructions": "Making a salad is easy...", "image": " https://imageSaladUrl.com ", "ingredients": [{ "ingredient": "6060939d454e162ae44ad716", "amount": 21 }, {</pre>

	<pre> "ingredient": "60609f918dbd14201c945393", "amount": 20 }], "nutrition": { "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2 }, "reviewRequested": false, "public": true, "category": { "name": "salad", "displayName": "Salad", "id": "605f7dfbd3895604b0df2be4" }, "creator": "605f66b7ea73553908b6a3bc" }] </pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Something went wrong, could not find a recipe.' • Kod: 404 • Poruka: 'Could not find a recipe for the provided id.'

4 Dodavanje recepta

Opis funkcije	Dodavanje novog recepta u bazu podataka
HTTP metoda	POST
URL	/recipes/
URL parametri	(nema)
HTTP body parametri	<p>JSON objekat koji ima attribute name=[string], instructions=[string], image=[string], ingredients=[ArrayOfObjects] gde svaki element niza ima attribute ingredient=[string] i amount=[int]; nutrition=[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; reviewRequested=[boolean], category=[string].</p> <p>Primer:</p> <pre>{ "name": "Salad", "instructions": "Making a salad is easy...", "image": " https://imageSaladUrl.com ", "ingredients": [{ "ingredient": "6060939d454e162ae44ad716", "amount": 21 }, { "ingredient": "60609f918dbd14201c945393", "amount": 20 }], "nutrition": { "calories": "716", "totalFats": "81", "saturatedFats": "15", "totalCarbohydrates": "0.7",</pre>

	<pre> "sugar": "0", "proteine": "0.2" }, "reviewRequested": false, "category": "605f7dfbd3895604b0df2be4" } </pre>
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima attribute id=[string], name=[string], instructions=[string], image=[string], ingredients=[ArrayOfObjects] gde svaki element niza ima attribute ingredient=[string] i amount=[int]; nutrition=[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; reviewRequested=[boolean], public=[boolean], category=[string] i creator=[string].</p> <p>Primer:</p> <pre> { "id": "606cdaefb6869633e4cb9c34", "name": "Salad", "instructions": "Making a salad is easy...", "image": "https://saladImageUrl.com", "ingredients": [{ "ingredient": "6060939d454e162ae44ad716", "amount": 21 }, { "ingredient": "60609f918dbd14201c945393", "amount": 20 }], "nutrition": { </pre>

		<pre> "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2 }, "reviewRequested": false, "public": true, "category": "605f7dfbd3895604b0df2be4", "creator": "605f66b7ea73553908b6a3bc" } </pre>
Format parametara	izlaznih	application/json
Moguće greške		<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Something went wrong, could not create recipe.' • Kod: 422 • Poruka: 'Invalid inputs passed, please check your data.' • Kod: 403 • Poruka: 'Authentication failed!'

5 Izmena recepta

Opis funkcije	Izmena postojećeg recepta iz baze podataka
HTTP metoda	PATCH
URL	/recipes/:rid
URL parametri	rid=[string] – Identifikator recepta
HTTP body parametri	<p>JSON objekat koji ima attribute name=[string], instructions=[string], image=[string], ingredients=[ArrayOfObjects] gde svaki element niza ima attribute ingredient=[string] i amount=[int]; nutrition=[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; reviewRequested=[boolean], category=[string].</p> <p>Primer:</p> <pre>{ "name": "Salad", "instructions": "Making a salad is easy...", "image": " https://imageSaladUrl.com ", "ingredients": [{ "ingredient": "6060939d454e162ae44ad716", "amount": 21 }, { "ingredient": "60609f918dbd14201c945393", "amount": 20 }], "nutrition": { "calories": "716", "totalFats": "81", "saturatedFats": "15", "totalCarbohydrates": "0.7",</pre>

	<pre> "sugar": "0", "proteine": "0.2" }, "reviewRequested": false, "category": "605f7dfbd3895604b0df2be4" } </pre>
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima attribute id=[string], name=[string], instructions=[string], image=[string], ingredients=[ArrayOfObjects] gde svaki element niza ima attribute ingredient=[string] i amount=[int]; nutrition=[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; reviewRequested=[boolean], public=[boolean], category=[string] i creator=[string].</p> <p>Primer:</p> <pre> { "id": "606cdaefb6869633e4cb9c34", "name": "Salad", "instructions": "Making a salad is easy...", "image": "https://saladImageUrl.com", "ingredients": [{ "ingredient": "6060939d454e162ae44ad716", "amount": 21 }, { "ingredient": "60609f918dbd14201c945393", "amount": 20 }], "nutrition": { </pre>

		<pre> "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2 }, "reviewRequested": false, "public": true, "category": "605f7dfbd3895604b0df2be4", "creator": "605f66b7ea73553908b6a3bc" } </pre>
Format parametara	izlaznih	application/json
Moguće greške		<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Something went wrong, could not update recipe.' • Kod: 404 • Poruka: 'Could not find a recipe for the provided id.' • Kod: 422 • Poruka: 'Invalid inputs passed, please check your data.' • Kod: 403 • Poruka: 'Authentication failed!' • Kod: 401 • Poruka: 'You are not allowed to edit this recipe.'

6 Brisanje recepta

Opis funkcije	Brisanje postojećeg recepta iz baze podataka
HTTP metoda	DELETE
URL	/recipes/:rid
URL parametri	rid=[string] – Identifikator recepta
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	JSON objekat koji ima atribut message=[string]. Primer: <pre>{ "message": "Recipe deleted", }</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none">• Kod: 500• Poruka: 'Something went wrong, could not delete recipe.' • Kod: 404• Poruka: 'Could not find a recipe for the provided id.' • Kod: 403• Poruka: 'Authentication failed!' • Kod: 401• Poruka: 'You are not allowed to delete this recipe.'

7 Dodavanje fotografije recepta

Opis funkcije	Dodavanje fotografije novog recepta u bazu podataka
HTTP metoda	POST
URL	/recipes/upload
URL parametri	(nema)
HTTP body parametri	FormData objekat koji ima atribut image=[File].
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	JSON objekat koji ima atribut url=[String]. Primer: <pre>{ "url": "http://localhost:5000/asd67s9f66as778c9" }</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none">• Kod: 422• Poruka: 'Invalid inputs passed, please check your data.'

8 Administratorki pregled recepata

Opis funkcije	Administratorski pregled svih recepata iz baze podataka
HTTP metoda	GET
URL	/recipes/admin
URL parametri	(nema)
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>Niz JSON objekata. Svaki element niza ima attribute id=[string], name=[string], instructions=[string], image=[string], ingredients=[ArrayOfObjects] gde svaki element niza ima attribute ingredient=[string] i amount=[int]; nutrition=[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; reviewRequested=[boolean], public=[boolean], category=[Object] sa atributima id=[string], name=[string] i displayName=[string]; i creator=[string].</p> <p>Primer:</p> <pre>[{ "id": "60609fbc8dbd14201c945395", "name": "Burger", "instructions": "Making a burger is easy...", "image": "https://imageBurgerUrl.com", "ingredients": [{ "ingredient": "6060939d454e162ae44ad716", "amount": 21 }, </pre>

	<pre> { "ingredient": "60609f918dbd14201c945393", "amount": 20 }], "nutrition": { "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2 }, "reviewRequested": false, "public": true, "category": { "name": "pork", "displayName": "Pork", "id": "605f7dfbd3895604b0df2be4" }, "creator": "605f66b7ea73553908b6a3bc" }, { "id": "606c1b960f070721c8210e32", "name": "Salad", "instructions": "Making a salad is easy...", "image": " https://imageSaladUrl.com ", "ingredients": [{ "ingredient": "6060939d454e162ae44ad716", "amount": 21, }, { "ingredient": "60609f918dbd14201c945393", "amount": 20, </pre>
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		<pre> }], "nutrition": { "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2, }, "reviewRequested": false, "public": true, "category": { "name": "salad", "displayName": "Salad", "id": "605f7dfbd3895604b0df2be4" }, "creator": "606c18d00f070721c8210e30", }] </pre>
Format parametara	izlaznih	application/json
Moguće greške		<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Fetching recipes failed, please try again later' • Kod: 404 • Poruka: 'Could not find any recipes.' • Kod: 401 • Poruka: 'Unauthorized!'

9 Postavljanje javnog statusa receptu

Opis funkcije	Postavljanje javnog statusa receptu iz baze podataka
HTTP metoda	PATCH
URL	/recipes/make-public/:rid
URL parametri	rid=[string] – Identifikator recepta
HTTP body parametri	
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima attribute id=[string], name=[string], instructions=[string], image=[string], ingredients=[ArrayOfObjects] gde svaki element niza ima attribute ingredient=[string] i amount=[int]; nutrition=[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; reviewRequested=[boolean], public=[boolean], category=[string] i creator=[string].</p> <p>Primer:</p> <pre>{ "id": "606cdaefb6869633e4cb9c34", "name": "Salad", "instructions": "Making a salad is easy...", "image": "https://saladImageUrl.com", "ingredients": [{ "ingredient": "6060939d454e162ae44ad716", "amount": 21 }, { "ingredient": "60609f918dbd14201c945393", "amount": 20 }] }</pre>

	<pre> }], "nutrition": { "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2 }, "reviewRequested": false, "public": true, "category": "605f7dfbd3895604b0df2be4", "creator": "605f66b7ea73553908b6a3bc" } } </pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Something went wrong, could not make recipe public.' • Kod: 404 • Poruka: 'Could not find a recipe for the provided id.' • Kod: 401 • Poruka: 'You are not allowed to make this recipe public.'

10 Uklanjanje javnog statusa receptu

Opis funkcije	Uklanjanje javnog statusa receptu iz baze podataka
HTTP metoda	PATCH
URL	/recipes/unmake-public/:rid
URL parametri	rid=[string] – Identifikator recepta
HTTP body parametri	
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima attribute id=[string], name=[string], instructions=[string], image=[string], ingredients=[ArrayOfObjects] gde svaki element niza ima attribute ingredient=[string] i amount=[int]; nutrition=[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; reviewRequested=[boolean], public=[boolean], category=[string] i creator=[string].</p> <p>Primer:</p> <pre>{ "id": "606cdaefb6869633e4cb9c34", "name": "Salad", "instructions": "Making a salad is easy...", "image": "https://saladImageUrl.com", "ingredients": [{ "ingredient": "6060939d454e162ae44ad716", "amount": 21 }, { "ingredient": "60609f918dbd14201c945393", "amount": 20 }] }</pre>

	<pre> }], "nutrition": { "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2 }, "reviewRequested": false, "public": false, "category": "605f7dfbd3895604b0df2be4", "creator": "605f66b7ea73553908b6a3bc" } } </pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Something went wrong, could not unmake recipe public.' • Kod: 404 • Poruka: 'Could not find a recipe for the provided id.' • Kod: 401 • Poruka: 'You are not allowed to unmake this recipe public.'

11 Pregled sastojaka

Opis funkcije	Pregled svih sastojaka iz baze podataka
HTTP metoda	GET
URL	/ingredients/
URL parametri	(nema)
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	(nema)
Izlazni parametri	<p>Niz JSON objekata. Svaki element niza ima attribute <code>recipes=[ArrayOfStrings]</code>, <code>id=[string]</code>, <code>name=[string]</code>, <code>image=[string]</code>, <code>nutrition=[Object]</code> sa atributima <code>calories=[int]</code>, <code>totalFats=[int]</code>, <code>saturatedFats=[int]</code>, <code>totalCarbohydrates=[int]</code>, <code>sugar=[int]</code> i <code>proteine=[int]</code>; <code>reviewRequested=[boolean]</code>, <code>public=[boolean]</code>, <code>measurementUnit=[Object]</code> sa atributima <code>id=[string]</code>, <code>name=[string]</code>, <code>displayName=[string]</code> i <code>perName=[string]</code>; <code>category=[Object]</code> sa atributima <code>id=[string]</code>, <code>name=[string]</code> i <code>displayName=[string]</code>; i <code>creator=[string]</code>.</p> <p>Primer:</p> <pre>[{ "recipes": ["60609fbc8dbd14201c945395", "606c1b960f070721c8210e32"], "id": "6060650b45ae5b0fe8edfe48", "name": "Salmon", "image": "https://salmonImageUrl", "nutrition": { "calories": 321,</pre>

	<pre> "totalFats": 12, "saturatedFats": 2, "totalCarbohydrates": 0, "sugar": 0, "proteine": 31, }, "reviewRequested": true, "public": true, "measurementUnit": { "name": "gram", "displayName": "g", "perName": "100g", "id": "605f802aa2d8979ad183abe6" }, "category": { "name": "meat, poultry and seafood", "displayName": "Meat, Poultry and Seafood", "id": "605f7f91a2d8979ad183abe1" }, "creator": "605f66b7ea73553908b6a3bc" }, { "recipes": [], "id": "6060659545ae5b0fe8edfe4a", "name": "Whole Chicken", "image": "https://chickenImageUrl.com", "nutrition": { "calories": 239, "totalFats": 13, "saturatedFats": 3.5, "totalCarbohydrates": 0, "sugar": 0, "proteine": 23 }, "reviewRequested": false, </pre>
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		<pre> "public": true, "measurementUnit": { "name": "gram", "displayName": "g", "perName": "100g", "id": "605f802aa2d8979ad183abe6" }, "category": { "name": "meat, poultry and seafood", "displayName": "Meat, Poultry and Seafood", "id": "605f7f91a2d8979ad183abe1" }, "creator": "605f66b7ea73553908b6a3bc" }] </pre>
Format parametara	izlaznih	application/json
Moguće greške		<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Fetching ingredients failed, please try again later'

12 Pregled određenog sastojka

Opis funkcije	Pregled određenog sastojka iz baze podataka
HTTP metoda	GET
URL	/ingredients/single/:iid
URL parametri	iid=[string] – Identifikator sastojka
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	(nema)
Izlazni parametri	<p>JSON objekat koji ima attribute recipes=[ArrayOfStrings], id=[string], name=[string], image=[string], nutrition=[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; reviewRequested=[boolean], public=[boolean], measurementUnit=[Object] sa atributima id=[string], name=[string], displayName=[string] i perName=[string]; category=[Object] sa atributima id=[string], name=[string] i displayName=[string]; i creator=[string].</p> <p>Primer:</p> <pre>[{ "recipes": ["60609fbc8dbd14201c945395", "606c1b960f070721c8210e32"], "id": "6060650b45ae5b0fe8edfe48", "name": "Salmon", "image": "https://salmonImageUrl", "nutrition": { "calories": 321,</pre>

		<pre> "totalFats": 12, "saturatedFats": 2, "totalCarbohydrates": 0, "sugar": 0, "proteine": 31, }, "reviewRequested": true, "public": true, "measurementUnit": { "name": "gram", "displayName": "g", "perName": "100g", "id": "605f802aa2d8979ad183abe6" }, "category": { "name": "meat, poultry and seafood", "displayName": "Meat, Poultry and Seafood", "id": "605f7f91a2d8979ad183abe1" }, "creator": "605f66b7ea73553908b6a3bc" }] </pre>
Format parametara	izlaznih	application/json
Moguće greške		<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Something went wrong, could not find an ingredient.' • Kod: 404 • Poruka: 'Could not find an ingredient for the provided id.'

13 Dodavanje sastojka

Opis funkcije	Dodavanje novog sastojka u bazu podataka
HTTP metoda	POST
URL	/ingredients/
URL parametri	(nema)
HTTP body parametri	<p>JSON objekat koji ima attribute name=[string], image=[string], nutrition=[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; reviewRequested=[boolean], measurementUnit=[string], category=[string].</p> <p>Primer:</p> <pre>{ "name": "Onion", "image": "https://onionImageUrl.com", "nutrition": { "calories": "716", "totalFats": "81", "saturatedFats": "15", "totalCarbohydrates": "0.7", "sugar": "0", "proteine": "0.2" }, "reviewRequested": false, "measurementUnit": "605f802aa2d8979ad183abe6", "category": "605f7f73a2d8979ad183abe0" }</pre>
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"

Izlazni parametri	<p>JSON objekat koji ima attribute recipes=[ArrayOfStrings], id=[string], name=[string], image=[string], nutrition=[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; reviewRequested=[boolean], public=[boolean], measurementUnit=[string], category=[string] i creator=[string].</p> <p>Primer:</p> <pre>{ "recipes": [], "id": "606ce371b6869633e4cb9c4d", "name": "Onion", "image": " https://onionImageUrl.com ", "nutrition": { "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2 }, "reviewRequested": false, "public": true, "measurementUnit": "605f802aa2d8979ad183abe6", "category": "605f7f73a2d8979ad183abe0", "creator": "605f66b7ea73553908b6a3bc" }</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Something went wrong, could not create ingredient.' • Kod: 422 • Poruka: 'Invalid inputs passed, please check your data.' • Kod: 403

	<ul style="list-style-type: none">• Poruka: 'Authentication failed!'
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14 Izmena sastojka

Opis funkcije	Izmena postojećeg sastojka iz baze podataka
HTTP metoda	PATCH
URL	/ingredients/:iid
URL parametri	iid=[string] – Identifikator sastojka
HTTP body parametri	<p>JSON objekat koji ima attribute name=[string], image=[string], nutrition=[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; reviewRequested=[boolean], measurementUnit=[string], category=[string].</p> <p>Primer:</p> <pre>{ "name": "Onion", "image": "https://onionImageUrl.com", "nutrition": { "calories": "716", "totalFats": "81", "saturatedFats": "15", "totalCarbohydrates": "0.7", "sugar": "0", "proteine": "0.2" }, "reviewRequested": false, "measurementUnit": "605f802aa2d8979ad183abe6", "category": "605f7f73a2d8979ad183abe0" }</pre>
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	JSON objekat koji ima attribute recipes=[ArrayOfStrings], id=[string], name=[string], image=[string], nutrition=[Object] sa atributima

	<p>calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; reviewRequested=[boolean], public=[boolean], measurementUnit=[string], category=[string] i creator=[string].</p> <p>Primer:</p> <pre>{ "recipes": [], "id": "606ce371b6869633e4cb9c4d", "name": "Onion", "image": " https://onionImageUrl.com ", "nutrition": { "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2 }, "reviewRequested": false, "public": true, "measurementUnit": "605f802aa2d8979ad183abe6", "category": "605f7f73a2d8979ad183abe0", "creator": "605f66b7ea73553908b6a3bc" }</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Something went wrong, could not update ingredient.' • Kod: 404 • Poruka: 'Could not find an ingredient for the provided id.' • Kod: 422

	<ul style="list-style-type: none">• Poruka: 'Invalid inputs passed, please check your data.'• Kod: 403• Poruka: 'Authentication failed!'• Kod: 401• Poruka: 'You are not allowed to edit this ingredient.'
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15 Brisanje sastojka

Opis funkcije	Brisanje postojećeg sastojka iz baze podataka
HTTP metoda	DELETE
URL	/ingredients/:iid
URL parametri	iid=[string] – Identifikator sastojka
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima atribut message=[string]</p> <p>Primer:</p> <pre>{ "message": "Ingredient deleted", }</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Something went wrong, could not delete ingredient.' • Kod: 404 • Poruka: 'Could not find an ingredient for the provided id.' • Kod: 403 • Poruka: 'Authentication failed!' • Kod: 401 • Poruka: 'You are not allowed to delete this ingredient.'

16 Dodavanje fotografije sastojka

Opis funkcije	Dodavanje fotografije novog sastojka u bazu podataka
HTTP metoda	POST
URL	/ingredients/upload
URL parametri	(nema)
HTTP body parametri	FormData objekat koji ima atribut image=[File].
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	JSON objekat koji ima atribut url=[String]. Primer: <pre>{ "url": "http://localhost:5000/asd67s9f66as778c9" }</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none">• Kod: 422• Poruka: 'Invalid inputs passed, please check your data.'

17 Administratorki pregled sastojaka

Opis funkcije	Administratorski pregled svih sastojaka iz baze podataka
HTTP metoda	GET
URL	/ingredients/admin
URL parametri	(nema)
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>Niz JSON objekata. Svaki element niza ima attribute recipes=[ArrayOfStrings], id=[string], name=[string], image=[string], nutrition=[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; reviewRequested=[boolean], public=[boolean], measurementUnit=[Object] sa atributima id=[string], name=[string], displayName=[string] i perName=[string]; category=[Object] sa atributima id=[string], name=[string] i displayName=[string]; i creator=[string].</p> <p>Primer:</p> <pre>[{ "recipes": ["60609fbc8dbd14201c945395", "606c1b960f070721c8210e32"], "id": "6060650b45ae5b0fe8edfe48", "name": "Salmon", "image": "https://salmonImageUrl", "nutrition": { "calories": 321,</pre>

	<pre> "totalFats": 12, "saturatedFats": 2, "totalCarbohydrates": 0, "sugar": 0, "proteine": 31, }, "reviewRequested": true, "public": true, "measurementUnit": { "name": "gram", "displayName": "g", "perName": "100g", "id": "605f802aa2d8979ad183abe6" }, "category": { "name": "meat, poultry and seafood", "displayName": "Meat, Poultry and Seafood", "id": "605f7f91a2d8979ad183abe1" }, "creator": "605f66b7ea73553908b6a3bc" }, { "recipes": [], "id": "6060659545ae5b0fe8edfe4a", "name": "Whole Chicken", "image": "https://chickenImageUrl.com", "nutrition": { "calories": 239, "totalFats": 13, "saturatedFats": 3.5, "totalCarbohydrates": 0, "sugar": 0, "proteine": 23 }, "reviewRequested": false, </pre>
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		<pre> "public": true, "measurementUnit": { "name": "gram", "displayName": "g", "perName": "100g", "id": "605f802aa2d8979ad183abe6" }, "category": { "name": "meat, poultry and seafood", "displayName": "Meat, Poultry and Seafood", "id": "605f7f91a2d8979ad183abe1" }, "creator": "605f66b7ea73553908b6a3bc" }] </pre>
Format parametara	izlaznih	application/json
Moguće greške		<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Fetching ingredients failed, please try again later' • Kod: 404 • Poruka: 'Could not find any ingredients.' • Kod: 401 • Poruka: 'Unauthorized!'

18 Postavljanje javnog statusa sastojku

Opis funkcije	Postavljanje javnog statusa sastojku iz baze podataka
HTTP metoda	PATCH
URL	/ingredients/make-public/:iid
URL parametri	iid=[string] – Identifikator sastojka
HTTP body parametri	
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima attribute recipes=[ArrayOfStrings], id=[string], name=[string], image=[string], nutrition=[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; reviewRequested=[boolean], public=[boolean], measurementUnit=[string], category=[string] i creator=[string].</p> <p>Primer:</p> <pre>{ "recipes": [], "id": "606ce371b6869633e4cb9c4d", "name": "Onion", "image": " https://onionImageUrl.com ", "nutrition": { "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2 }, "reviewRequested": false,</pre>

		<pre>"public": true, "measurementUnit": "605f802aa2d8979ad183abe6", "category": "605f7f73a2d8979ad183abe0", "creator": "605f66b7ea73553908b6a3bc" }</pre>
Format parametara	izlaznih	application/json
Moguće greške		<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Something went wrong, could not make ingredient public.' • Kod: 404 • Poruka: 'Could not find a ingredient for the provided id.' • Kod: 401 • Poruka: 'You are not allowed to make this ingredient public.'

19 Uklanjanje javnog statusa sastojku

Opis funkcije	Uklanjanje javnog statusa sastojku iz baze podataka
HTTP metoda	PATCH
URL	/ingredients/unmake-public/:iid
URL parametri	iid=[string] – Identifikator sastojka
HTTP body parametri	
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima attribute recipes=[ArrayOfStrings], id=[string], name=[string], image=[string], nutrition=[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; reviewRequested=[boolean], public=[boolean], measurementUnit=[string], category=[string] i creator=[string].</p> <p>Primer:</p> <pre>{ "recipes": [], "id": "606ce371b6869633e4cb9c4d", "name": "Onion", "image": " https://onionImageUrl.com ", "nutrition": { "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2 }, "reviewRequested": false,</pre>

		<pre> "public": false, "measurementUnit": "605f802aa2d8979ad183abe6", "category": "605f7f73a2d8979ad183abe0", "creator": "605f66b7ea73553908b6a3bc" } </pre>
Format parametara	izlaznih	application/json
Moguće greške		<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Something went wrong, could not unmake ingredient public.' • Kod: 404 • Poruka: 'Could not find a ingredient for the provided id.' • Kod: 401 • Poruka: 'You are not allowed to unmake this ingredient public.'

20 Registracija korisnika

Opis funkcije	Registracija korisnika na sistem
HTTP metoda	POST
URL	/users/signup
URL parametri	(nema)
HTTP body parametri	<p>JSON objekat koji ima attribute email=[string], password=[string], firstName=[string], lastName=[string], gender=[string], dateOfBirth=[date], height=[int], weight=[int] i maxCalories=[int].</p> <p>Primer:</p> <pre>{ "email": "email@address.com", "password": "astrongpassword", "firstName": "Mike", "lastName": "Adams", "gender": "male", "dateOfBirth": "1991-11-18T19:15:00.000Z", "height": 185, "weight": 84, "maxCalories": 2700 }</pre>
Format HTTP body parametara	application/json
Headers	(nema)
Izlazni parametri	<p>JSON objekat koji ima attribute userId=[string], email=[string] i token=[string].</p> <p>Primer:</p> <pre>{ "userId": "606mb393df976017e34d779a", "email": "email@address.com ", </pre>

		<pre>"token": "eyJhbGciOiJIUzI6NiIsInR5cCI6IkpXVCJ9.eyJ1c2V2SWQiaOiI2MDZkYTM5M2RmOTk2MDE3ZTQ0ZDczOWEiLHJlbWVpbCI6Imx1a2Fzc3HAbHVrYXNzcy5jb20iLCJpYXQirjE2MTc3OTkwMzYsImV4cCI6MTYxNzgwMTYzNn0.ZJjhjLFtvvlIRKqqpsP4x9oIosGzc9QaS5CdiiCb4wY"</pre> <pre>}</pre>
Format parametara	izlaznih	application/json
Moguće greške		<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Signing up failed, please try again later' • Kod: 422 • Poruka: 'Invalid inputs passed, please check your data.'

21 Prijavljivanje korisnika

Opis funkcije	Prijavljivanje korisnika na sistem
HTTP metoda	POST
URL	/users/login
URL parametri	(nema)
HTTP body parametri	<p>JSON objekat koji ima attribute email=[string] i password=[string].</p> <p>Primer:</p> <pre>{ "email": "email@address.com ", "password": "astrongpassword " }</pre>
Format HTTP body parametara	application/json
Headers	(nema)
Izlazni parametri	<p>JSON objekat koji ima attribute userId=[string], email=[string] i token=[string].</p> <p>Primer:</p> <pre>{"userId": "60mdb393df986017e34d779a", "email": "email@address.com ", "token": "eyJhbGciOiJIUzI6NiIsInR5cCI6IkpXVCJ9.eyJ1c2V2SWQia2MDZkYTM5M2RmOTk2MDE3ZTQ0ZDczOWEiLHJlbWFpbCI6Imx1a2Fzc3hAbHVrYXNzcy5jb20iLCJpYXQiOiE2MTc3OTkwMzYsImV4cCI6MTYxNzgwMTYzNn0.ZJjhjLFtvvlIRKqqpsP4x9oIosGzc9QaS5CdiiCb4wY"}</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Logging in failed, please try again later' • Kod: 403

	<ul style="list-style-type: none">• Poruka: 'Invalid credentials, could not log you in.'
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22 Prijavljivanje administratora

Opis funkcije	Prijavljivanje administratora na sistem
HTTP metoda	POST
URL	/users/admin-login
URL parametri	(nema)
HTTP body parametri	<p>JSON objekat koji ima attribute email=[string] i password=[string].</p> <p>Primer:</p> <pre>{ "email": "email@address.com ", "password": "astrongpassword " }</pre>
Format HTTP body parametara	application/json
Headers	(nema)
Izlazni parametri	<p>JSON objekat koji ima attribute userId=[string], email=[string] i token=[string].</p> <p>Primer:</p> <pre>{"userId": "60mdb393df986017e34d779a", "email": "email@address.com ", "token": "eyJhbGciOiJIUzI6NiIsInR5cCI6IkpXVCJYxNzgwMTYzNn0.ZJjhjLFtvvlIRKqqpsP4x9zc9QaS5CdiCb4wY"}</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Logging in failed, please try again later' • Kod: 403 • Poruka: 'Invalid credentials, could not log you in.'

	<ul style="list-style-type: none">• Kod: 401• Poruka: 'Unauthorized'
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23 Pregled korisnika

Opis funkcije	Pregled svih korisnika iz baze podataka
HTTP metoda	GET
URL	/users/
URL parametri	(nema)
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>Niz JSON objekata. Svaki element niza ima attribute dailyNutrition=[ArrayOfObjects] gde svaki element ima attribute id=[string], day=[date], nutrition[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; i creator=[string]; id=[string], email=[string], firstName=[string], lastName=[string], gender=[string], dateOfBirth=[date], height=[int], weight=[int] i maxCalories=[int], shoppingList[Object] sa atributima id=[string], creator=[string] i items[ArrayOfObjects] gde svaki element niza ima attribute ingredient=[string], amount=[int] i checked=[boolean].</p> <p>Primer:</p> <pre>[{ "dailyNutrition": [{ "id": "6060b5e6a95c1832c45b3cd1", "day": "2021-03-25T23:00:00.000Z", "nutrition": { "calories": 2148, "totalFats": 243, "saturatedFats": 45, "totalCarbohydrates": 2.1, "sugar": 0,</pre>

	<pre> "proteine": 0.6 }, "creator": "605f66b7ea73553908b6a3bc" }, { "id": "6060b63a2a36ee0708064d82", "day": "2021-03-26T23:00:00.000Z", "nutrition": { "calories": 1432, "totalFats": 162, "saturatedFats": 30, "totalCarbohydrates": 1.4, "sugar": 0, "proteine": 0.4 }, "creator": "605f66b7ea73553908b6a3bc" }, { "id": "6060b6782a36ee0708064d8a", "day": "2021-03-27T23:00:00.000Z", "nutrition": { "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2 }, "creator": "605f66b7ea73553908b6a3bc" }], "id": "605f66b7ea73553908b6a3bc", "email": "asd@asd.com", "firstName": "Marko", "lastName": "Markovic", </pre>
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	<pre> "gender": "male", "dateOfBirth": "2020-11-18T19:15:00.000Z", "height": 184, "weight": 70, "maxCalories": 2500, "shoppingList": { "id": "6060c15137034009c019ea19", "creator": "605f66b7ea73553908b6a3bc", "items": [{ "ingredient": "6060659545ae5b0fe8edfe4a", "amount": 23, "checked": false }, { "ingredient": "6060663f45ae5b0fe8edfe4e", "amount": 2, "checked": true }] }, { "dailyNutrition": [{ "id": "6060b5e6a95c1832c45b3cd1", "day": "2021-03-25T23:00:00.000Z", "nutrition": { "calories": 2148, "totalFats": 243, "saturatedFats": 45, "totalCarbohydrates": 2.1, "sugar": 0, "proteine": 0.6 }, </pre>
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	<pre> "creator": "605f66b7ea73553908b6b2tx" }, { "id": "6060b63a2a36ee0708064d82", "day": "2021-03-26T23:00:00.000Z", "nutrition": { "calories": 1432, "totalFats": 162, "saturatedFats": 30, "totalCarbohydrates": 1.4, "sugar": 0, "proteine": 0.4 }, "creator": "605f66b7ea73553908b6b2tx " }, { "id": "6060b6782a36ee0708064d8a", "day": "2021-03-27T23:00:00.000Z", "nutrition": { "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2 }, "creator": "605f66b7ea73553908b6b2tx " }], "id": "605f66b7ea73553908b6b2tx ", "email": "asd2@asd.com", "firstName": "Milica", "lastName": "Stefanovic", "gender": "female", "dateOfBirth": "2020-11-18T19:15:00.000Z", </pre>
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		<pre> "height": 184, "weight": 70, "maxCalories": 2500, "shoppingList": { "id": "6060c15137034009c019ea19", "creator": "605f66b7ea73553908b6b2tx ", "items": [{ "ingredient": "6060659545ae5b0fe8edfe4a", "amount": 23, "checked": false }, { "ingredient": "6060663f45ae5b0fe8edfe4e", "amount": 2, "checked": true }] } }} </pre>
Format parametara	izlaznih	application/json
Moguće greške		<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Fetching user data failed, please try again later.' • Kod: 401 • Poruka: 'Unauthorized'

24 Pregled korisničkih podataka

Opis funkcije	Pregled korisničkih podataka prijavljenog korisnika
HTTP metoda	GET
URL	/users/:uid
URL parametri	uid=[string] – Identifikator korisnika
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima attribute dailyNutrition=[ArrayOfObjects] gde svaki element ima attribute id=[string], day=[date], nutrition[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; i creator=[string]; id=[string], email=[string], firstName=[string], lastName=[string], gender=[string], dateOfBirth=[date], height=[int], weight=[int] i maxCalories=[int], shoppingList[Object] sa atributima id=[string], creator=[string] i items[ArrayOfObjects] gde svaki element niza ima attribute ingredient=[string], amount=[int] i checked=[boolean].</p> <p>Primer:</p> <pre>{ "dailyNutrition": [{ "id": "6060b5e6a95c1832c45b3cd1", "day": "2021-03-25T23:00:00.000Z", "nutrition": { "calories": 2148, "totalFats": 243, "saturatedFats": 45, "totalCarbohydrates": 2.1, "sugar": 0,</pre>

	<pre> "proteine": 0.6 }, "creator": "605f66b7ea73553908b6a3bc" }, { "id": "6060b63a2a36ee0708064d82", "day": "2021-03-26T23:00:00.000Z", "nutrition": { "calories": 1432, "totalFats": 162, "saturatedFats": 30, "totalCarbohydrates": 1.4, "sugar": 0, "proteine": 0.4 }, "creator": "605f66b7ea73553908b6a3bc" }, { "id": "6060b6782a36ee0708064d8a", "day": "2021-03-27T23:00:00.000Z", "nutrition": { "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2 }, "creator": "605f66b7ea73553908b6a3bc" }], "id": "605f66b7ea73553908b6a3bc", "email": "asd@asd.com", "firstName": "Marko", "lastName": "Markovic", </pre>
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		<pre> "gender": "male", "dateOfBirth": "2020-11-18T19:15:00.000Z", "height": 184, "weight": 70, "maxCalories": 2500, "shoppingList": { "id": "6060c15137034009c019ea19", "creator": "605f66b7ea73553908b6a3bc", "items": [{ "ingredient": "6060659545ae5b0fe8edfe4a", "amount": 23, "checked": false }, { "ingredient": "6060663f45ae5b0fe8edfe4e", "amount": 2, "checked": true }] } </pre>
Format parametara	izlaznih	application/json
Moguće greške		<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Fetching user data failed, please try again later.' • Kod: 403 • Poruka: 'Authentication failed!' • Kod: 401 • Poruka: 'Unauthorized'

25 Izmena korisničkih podataka

Opis funkcije	Izmena postojećeg sastojka iz baze podataka
HTTP metoda	PATCH
URL	/users/:iid
URL parametri	uid=[string] – Identifikator korisnika
HTTP body parametri	<p>JSON objekat koji ima attribute firstName=[string], lastName=[string], gender=[string], dateOfBirth=[date], height=[int], weight=[int] i maxCalories=[int].</p> <p>Primer:</p> <pre>{ "firstName": "Marko", "lastName": "Markovic", "gender": "male", "dateOfBirth": "2020-11-18T19:15:00.000Z", "height": 184, "weight": 70, "maxCalories": 2500, }</pre>
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima attribute dailyNutrition=[ArrayOfObjects] gde svaki element ima attribute id=[string], day=[date], nutrition[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; i creator=[string]; id=[string], email=[string], firstName=[string], lastName=[string], gender=[string], dateOfBirth=[date], height=[int], weight=[int] i maxCalories=[int], shoppingList[Object] sa atributima id=[string], creator=[string] i items[ArrayOfObjects] gde svaki element niza ima attribute ingredient=[string], amount=[int] i checked=[boolean].</p> <p>Primer:</p> <pre>{</pre>

	<pre> "dailyNutrition": [{ "id": "6060b5e6a95c1832c45b3cd1", "day": "2021-03-25T23:00:00.000Z", "nutrition": { "calories": 2148, "totalFats": 243, "saturatedFats": 45, "totalCarbohydrates": 2.1, "sugar": 0, "proteine": 0.6 }, "creator": "605f66b7ea73553908b6a3bc" }, { "id": "6060b63a2a36ee0708064d82", "day": "2021-03-26T23:00:00.000Z", "nutrition": { "calories": 1432, "totalFats": 162, "saturatedFats": 30, "totalCarbohydrates": 1.4, "sugar": 0, "proteine": 0.4 }, "creator": "605f66b7ea73553908b6a3bc" }, { "id": "6060b6782a36ee0708064d8a", "day": "2021-03-27T23:00:00.000Z", "nutrition": { "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, </pre>
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	<pre> "sugar": 0, "proteine": 0.2 }, "creator": "605f66b7ea73553908b6a3bc" }], "id": "605f66b7ea73553908b6a3bc", "email": "asd@asd.com", "firstName": "Marko", "lastName": "Markovic", "gender": "male", "dateOfBirth": "2020-11-18T19:15:00.000Z", "height": 184, "weight": 70, "maxCalories": 2500, "shoppingList": { "id": "6060c15137034009c019ea19", "creator": "605f66b7ea73553908b6a3bc", "items": [{ "ingredient": "6060659545ae5b0fe8edfe4a", "amount": 23, "checked": false }, { "ingredient": "6060663f45ae5b0fe8edfe4e", "amount": 2, "checked": true }] } } </pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> Kod: 500

	<ul style="list-style-type: none">• Poruka: 'Something went wrong, could not update user data.'• Kod: 401• Poruka: 'Unauthorized.'• Kod: 422• Poruka: 'Invalid inputs passed, please check your data.'
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26 Pregled spiskova za prodavnicu

Opis funkcije	Pregled svih spiskova za prodavnicu iz baze podataka
HTTP metoda	GET
URL	/shopping-list/
URL parametri	(nema)
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>Niz JSON objekata. Svaki element niza ima attribute id=[string], creator=[string] i items=[ArrayOfObjects] gde svaki element niza ima attribute id=[string], ingredient=[Object] sa atributima recipes=[ArrayOfStrings], id=[string], name=[string], image=[string], nutrition=[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; i creator=[string]; reviewRequested=[boolean], public=[boolean], measurementUnit=[string], category=[string] i creator=[string]; amount=[int] i checked=[boolean].</p> <p>Primer:</p> <pre>[{ "id": "6060c15137034009c019ea19", "creator": "605f66b7ea73553908b6a3bc", "items": [{ "id": "6060c6a2b96a422c742cd87e", "ingredient": { "recipes": [], "id": "6060659545ae5b0fe8edfe4a", "name": "Whole Chicken", "image": "https://chickenImageUrl.com",</pre>

	<pre> "nutrition": { "calories": 239, "totalFats": 13, "saturatedFats": 3.5, "totalCarbohydrates": 0, "sugar": 0, "proteine": 23 }, "reviewRequested": false, "public": true, "measurementUnit": "605f802a979ad183abe6", "category": "605f7f91a2d8979ad183abe1", "creator": "605f66b7ea73553908b6a3bc" }, "amount": 23, "checked": false }, { "id": "6060c6a2b96a422c742cd87f", "ingredient": { "recipes": [], "id": "6060663f45ae5b0fe8edfe4e", "name": "Celery", "image": "https://celeryImageUrl.com", "nutrition": { "calories": 16, "totalFats": 0.2, "saturatedFats": 0, "totalCarbohydrates": 3, "sugar": 1.3, "proteine": 0.7 }, "reviewRequested": false, "public": true, "measurementUnit": "605f802aa2d89183abe6", </pre>
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	<pre> "category": "605f7fd3a2d8979ad183abe4", "creator": "605f66b7ea73553908b6a3bc" }, "amount": 2, "checked": true }] }, { "id": "6060c15137034009c019fb29", "creator": "605f66b7ea73553908b6b2ac", "items": [{ "id": "6060c6a2b96a422c742cd87e", "ingredient": { "recipes": [], "id": "6060659545ae5b0fe8edfe4a", "name": "Whole Chicken", "image": "https://chickenImageUrl.com", "nutrition": { "calories": 239, "totalFats": 13, "saturatedFats": 3.5, "totalCarbohydrates": 0, "sugar": 0, "proteine": 23 }, }, "reviewRequested": false, "public": true, "measurementUnit": "605f802a979ad183abe6", "category": "605f7f91a2d8979ad183abe1", "creator": "605f66b7ea73553908b6a3bc" }, "amount": 23, "checked": false] } </pre>
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	<pre> }, { "id": "6060c6a2b96a422c742cd87f", "ingredient": { "recipes": [], "id": "6060663f45ae5b0fe8edfe4e", "name": "Celery", "image": "https://celeryImageUrl.com", "nutrition": { "calories": 16, "totalFats": 0.2, "saturatedFats": 0, "totalCarbohydrates": 3, "sugar": 1.3, "proteine": 0.7 } }, "reviewRequested": false, "public": true, "measurementUnit": "605f802aa2d89183abe6", "category": "605f7fd3a2d8979ad183abe4", "creator": "605f66b7ea73553908b6a3bc" }, "amount": 2, "checked": true }] }] </pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Something went wrong, could not fetch shopping lists.' • Kod: 404 • Poruka: 'Could not find a shopping lists.'

	<ul style="list-style-type: none">• Kod: 401• Poruka: 'Unauthorized.'
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27 Pregled određenog spiska za prodavnicu

Opis funkcije	Pregled određenog spiska za prodavnicu prijavljenog korisnika
HTTP metoda	GET
URL	/shopping-list/:slid
URL parametri	slid=[string] – Identifikator spiska za prodavnicu
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima attribute id=[string], creator=[string] i items=[ArrayOfObjects] gde svaki element niza ima attribute id=[string], ingredient=[Object] sa atributima recipes[ArrayOfStrings], id=[string], name=[string], image=[string], nutrition[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; i creator=[string]; reviewRequested=[boolean], public=[boolean], measurementUnit=[string], category=[string] i creator=[string]; amount=[int] i checked=[boolean].</p> <p>Primer:</p> <pre>{ "id": "6060c15137034009c019ea19", "creator": "605f66b7ea73553908b6a3bc", "items": [{ "id": "6060c6a2b96a422c742cd87e", "ingredient": { "recipes": [], "id": "6060659545ae5b0fe8edfe4a", "name": "Whole Chicken", "image": "https://chickenImageUrl.com",</pre>

	<pre> "nutrition": { "calories": 239, "totalFats": 13, "saturatedFats": 3.5, "totalCarbohydrates": 0, "sugar": 0, "proteine": 23 }, "reviewRequested": false, "public": true, "measurementUnit": "605f802a979ad183abe6", "category": "605f7f91a2d8979ad183abe1", "creator": "605f66b7ea73553908b6a3bc" }, "amount": 23, "checked": false }, { "id": "6060c6a2b96a422c742cd87f", "ingredient": { "recipes": [], "id": "6060663f45ae5b0fe8edfe4e", "name": "Celery", "image": "https://celeryImageUrl.com", "nutrition": { "calories": 16, "totalFats": 0.2, "saturatedFats": 0, "totalCarbohydrates": 3, "sugar": 1.3, "proteine": 0.7 }, "reviewRequested": false, "public": true, "measurementUnit": "605f802aa2d89183abe6", </pre>
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	<pre> "category": "605f7fd3a2d8979ad183abe4", "creator": "605f66b7ea73553908b6a3bc" }, "amount": 2, "checked": true }] }</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Something went wrong, could not fetch shopping list.' • Kod: 404 • Poruka: 'Could not find a shopping list for the provided id.' • Kod: 403 • Poruka: 'Authentication failed!' • Kod: 401 • Poruka: 'Unauthorized.'

28 Izmena spiska za prodavnicu

Opis funkcije	Izmena spiska za prodavnicu prijavljenog korisnika
HTTP metoda	PATCH
URL	/shopping-list/:slid
URL parametri	slid=[string] – Identifikator spiska za prodavnicu
HTTP body parametri	<p>JSON objekat koji ima atribut items=[ArrayOfObjects] gde svaki element niza ima attribute ingredient=[string], amount=[int] i checked=[boolean].</p> <p>Primer:</p> <pre>{ "items": [{ "ingredient": "6060659545ae5b0fe8edfe4a", "amount": 23, "checked": false }, { "ingredient": "6060663f45ae5b0fe8edfe4e", "amount": 2, "checked": true }] }</pre>
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	JSON objekat koji ima attribute id=[string], creator=[string] i items=[ArrayOfObjects] gde svaki element niza ima attribute id=[string], ingredient=[string], amount=[int] i checked=[boolean].

	<p>Primer:</p> <pre> { "id": "6060c15137034009c019ea19", "creator": "605f66b7ea73553908b6a3bc", "items": [{ "id": "6060c6a2b96a422c742cd87e", "ingredient": "6060659545ae5b0fe8edfe4a", "amount": 23, "checked": false }, { "id": "6060c6a2b96a422c742cd87f", "ingredient": "6060663f45ae5b0fe8edfe4e", "amount": 2, "checked": true }] }</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Something went wrong, could not update shopping list.' • Kod: 404 • Poruka: 'Could not find a shopping list for the provided id.' • Kod: 422 • Poruka: 'Invalid inputs passed, please check your data.' • Kod: 403 • Poruka: 'Authentication failed!'

	<ul style="list-style-type: none">• Kod: 401• Poruka: 'You are not allowed to edit this shopping list.'
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29 Pregled kategorija recepata

Opis funkcije	Pregled svih kategorija recepata iz baze podataka
HTTP metoda	GET
URL	/recipe-categories/
URL parametri	(nema)
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	(nema)
Izlazni parametri	<p>Niz JSON objekata. Svaki element niza ima attribute id=[string], name=[string] i displayName=[string].</p> <p>Primer:</p> <pre>[{ "id": "605f7dfbd3895604b0df2be4", "name": "pasta", "displayName": "Pasta" }, { "id": "605f7e7da2d8979ad183abda", "name": "burger", "displayName": "Burger" }, { "id": "605f7ea7a2d8979ad183abdb", "name": "vegan", "displayName": "Vegan" }]</pre>
Format izlaznih	application/json

parametara	
Moguće greške	<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Fetching recipe categories failed, please try again later'

30 Dodavanje kategorije recepata

Opis funkcije	Dodavanje nove kategorije recepata u bazu podataka
HTTP metoda	POST
URL	/recipe-categories/
URL parametri	(nema)
HTTP body parametri	JSON objekat koji ima attribute name=[string], displayName=[string]. Primer: <pre>{ "name": "fish", "displayName": "Fish", }</pre>
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	JSON objekat koji ima attribute id=[string], name=[string], displayName=[string]. Primer: <pre>{ "id": "606ce371b6869633e4cb9c4d", "name": "fish", "displayName": "Fish " }</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none">• Kod: 401• Poruka: 'You are not allowed to add recipe categories.'• Kod: 422

	<ul style="list-style-type: none">• Poruka: 'Invalid inputs passed, please check your data.'
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31 Izmen kategorije recepata

Opis funkcije	Izmena postojeće kategorije recepata iz baze podataka
HTTP metoda	PATCH
URL	/recipe-categories/:rcid
URL parametri	rcid=[string] – Identifikator kategorije recepata
HTTP body parametri	<p>JSON objekat koji ima attribute name=[string], displayName=[string].</p> <p>Primer:</p> <pre>{ "name": "fish", "displayName": "Fish", }</pre>
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima attribute id=[string], name=[string], displayName=[string].</p> <p>Primer:</p> <pre>{ "id": "606ce371b6869633e4cb9c4d", "name": "fish", "displayName": "Fish " }</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> Kod: 500 Poruka: 'Something went wrong, could not update recipe category.'

	<ul style="list-style-type: none"> • Kod: 404 • Poruka: 'Could not find a recipe category for the provided id.' • Kod: 422 • Poruka: 'Invalid inputs passed, please check your data.' • Kod: 401 • Poruka: 'You are not allowed to edit this recipe category.'
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32 Brisanje kategorije recepata

Opis funkcije	Brisanje postojeće kategorije recepata iz baze podataka
HTTP metoda	DELETE
URL	/recipe-categories/:rcid
URL parametri	rcid=[string] – Identifikator kategorije recepata
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima atribut message=[string]</p> <p>Primer:</p> <pre>{ "message": "Recipe category deleted", }</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none">• Kod: 500• Poruka: 'Something went wrong, could not delete recipe category.'• Kod: 404• Poruka: 'Could not find a recipe category for the provided id.'• Kod: 401• Poruka: 'You are not allowed to delete this recipe category.'

33 Pregled kategorija sastojaka

Opis funkcije	Pregled svih kategorija sastojaka iz baze podataka
HTTP metoda	GET
URL	/ingredient-categories/
URL parametri	(nema)
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	(nema)
Izlazni parametri	<p>Niz JSON objekata. Svaki element niza ima attribute id=[string], name=[string] i displayName=[string].</p> <p>Primer:</p> <pre>[{ "id": "605f7f51a2d8979ad183abdf", "name": "grains and seeds", "displayName": "Grains and Seeds" }, { "id": "605f7f73a2d8979ad183abe0", "name": "herbs and spices", "displayName": "Herbs and Spices" }, { "id": "605f7f91a2d8979ad183abe1", "name": "meat, poultry and seafood", "displayName": "Meat, Poultry and Seafood" }]</pre>

Format parametara	izlaznih	application/json
Moguće greške		<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Fetching ingredient categories failed, please try again later'

34 Dodavanje kategorije sastojaka

Opis funkcije	Dodavanje nove kategorije sastojaka u bazu podataka
HTTP metoda	POST
URL	/ingredient-categories/
URL parametri	(nema)
HTTP body parametri	<p>JSON objekat koji ima attribute name=[string], displayName=[string].</p> <p>Primer:</p> <pre>{ "name": "fruit", "displayName": "Fruit", }</pre>
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima attribute id=[string], name=[string], displayName=[string].</p> <p>Primer:</p> <pre>{ "id": "606ce371b6869633e4cb9c4d", "name": "fruit", "displayName": "Fruit " }</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> Kod: 401 Poruka: 'You are not allowed to add ingredient categories.'

	<ul style="list-style-type: none">• Kod: 422• Poruka: 'Invalid inputs passed, please check your data.'
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35 Izmena kategorije sastojaka

Opis funkcije	Izmena postojeće kategorije sastojaka iz baze podataka
HTTP metoda	PATCH
URL	/ingredient-categories/:icid
URL parametri	icid=[string] – Identifikator kategorije sastojaka
HTTP body parametri	<p>JSON objekat koji ima attribute name=[string], displayName=[string].</p> <p>Primer:</p> <pre>{ "name": "fruit", "displayName": "Fruit", }</pre>
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima attribute id=[string], name=[string], displayName=[string].</p> <p>Primer:</p> <pre>{ "id": "606ce371b6869633e4cb9c4d", "name": "Fruit", "displayName": "Fruit " }</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Something went wrong, could not update ingredient category.'

	<ul style="list-style-type: none">• Kod: 404• Poruka: 'Could not find an ingredient category for the provided id.'• Kod: 422• Poruka: 'Invalid inputs passed, please check your data.'• Kod: 401• Poruka: 'You are not allowed to edit this ingredient category.'
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36 Brisanje kategorije sastojaka

Opis funkcije	Brisanje postojeće kategorije sastojaka iz baze podataka
HTTP metoda	DELETE
URL	/ingredient-categories/:icid
URL parametri	icid=[string] – Identifikator kategorije sastojaka
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima atribut message=[string]</p> <p>Primer:</p> <pre>{ "message": "Ingredient category deleted", }</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Something went wrong, could not delete ingredient category.' • Kod: 404 • Poruka: 'Could not find an ingredient category for the provided id.' • Kod: 401 • Poruka: 'You are not allowed to delete this ingredient category.'

37 Pregled mernih jedinica

Opis funkcije	Pregled svih mernih jedinica iz baze podataka
HTTP metoda	GET
URL	/measurement-units/
URL parametri	(nema)
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	(nema)
Izlazni parametri	<p>Niz JSON objekata. Svaki element niza ima attribute id=[string], name=[string], displayName=[string] i perName=[string].</p> <p>Primer:</p> <pre>[{ "id": "605f802aa2d8979ad183abe6", "name": "gram", "displayName": "g", "perName": "100g" }, { "id": "605f8041a2d8979ad183abe7", "name": "milliliter", "displayName": "ml", "perName": "100ml" }, { "id": "605f8058a2d8979ad183abe8", "name": "ounce", "displayName": "oz", "perName": "oz" }]</pre>

		<pre> }, { "id": "605f8072a2d8979ad183abe9", "name": "pound", "displayName": "lb", "perName": "lb" }] </pre>
Format parametara	izlaznih	application/json
Moguće greške		<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Fetching measurement units failed, please try again later'

38 Dodavanje mernih jedinica

Opis funkcije	Dodavanje nove merne jedinice u bazu podataka
HTTP metoda	POST
URL	/measurement-units/
URL parametri	(nema)
HTTP body parametri	<p>JSON objekat koji ima attribute name=[string], displayName=[string], perName=[string].</p> <p>Primer:</p> <pre>{ "name": "gram", "displayName": "g", "perName": "100g", }</pre>
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima attribute id=[string], name=[string], displayName=[string], perName=[string].</p> <p>Primer:</p> <pre>{ "id": "606ce371b6869633e4cb9c4d", "name": "gram", "displayName": "g ", "perName": "100g " }</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> Kod: 401

	<ul style="list-style-type: none">• Poruka: 'You are not allowed to add measurement units.'• Kod: 422• Poruka: 'Invalid inputs passed, please check your data.'
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39 Izmena mernih jedinica

Opis funkcije	Izmena postojeće merne jedinice iz baze podataka
HTTP metoda	PATCH
URL	/measurement-nutis/:muid
URL parametri	muid=[string] – Identifikator merne jedinice
HTTP body parametri	<p>JSON objekat koji ima attribute name=[string], displayName=[string], perName=[string].</p> <p>Primer:</p> <pre>{ "name": "gram", "displayName": "g", "perName": "100g", }</pre>
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima attribute id=[string], name=[string], displayName=[string], perName=[string].</p> <p>Primer:</p> <pre>{ "id": "606ce371b6869633e4cb9c4d", "name": "gram", "displayName": "g ", "perName": "100g " }</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> • Kod: 500 • Poruka:

	<p>'Something went wrong, could not update measurement unit.'</p> <ul style="list-style-type: none"> • Kod: 404 • Poruka: 'Could not find a measurement unit for the provided id.' • Kod: 422 • Poruka: 'Invalid inputs passed, please check your data.' • Kod: 401 • Poruka: 'You are not allowed to edit this measurement unit.'
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40 Brisanje mernih jedinica

Opis funkcije	Brisanje postojeće merne jedinice iz baze podataka
HTTP metoda	DELETE
URL	/measurement-units/:muid
URL parametri	muid=[string] – Identifikator merne jedinice
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima atribut message=[string]</p> <p>Primer:</p> <pre>{ "message": "Measurement unit deleted", }</pre>
Format izlaznih parametara	application/json
Moguće greške	<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Something went wrong, could not delete measurement unit.' • Kod: 404 • Poruka: 'Could not find a measurement unit for the provided id.' • Kod: 401 • Poruka: 'You are not allowed to delete this measurement unit.'

41 Pregled nutritivnog unosa

Opis funkcije	Pregled istorije nutritivnog unosa
HTTP metoda	GET
URL	/daily-nutrition/
URL parametri	(nema)
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>Niz JSON objekata. Svaki element niza ima attribute id=[string], day=[date], nutrition[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; i creator=[string].</p> <p>Primer:</p> <pre>[{ "id": "6060b5e6a95c1832c45b3cd1", "day": "2021-03-25T23:00:00.000Z", "nutrition": { "calories": 2148, "totalFats": 243, "saturatedFats": 45, "totalCarbohydrates": 2.1, "sugar": 0, "proteine": 0.6 }, "creator": "605f66b7ea73553908b6a3bc" }, { "id": "6060b63a2a36ee0708064d82", "day": "2021-03-26T23:00:00.000Z",</pre>

		<pre> "nutrition": { "calories": 1432, "totalFats": 162, "saturatedFats": 30, "totalCarbohydrates": 1.4, "sugar": 0, "proteine": 0.4 }, "creator": "605f66b7ea73553908b6a3bc" }, { "id": "6060b6782a36ee0708064d8a", "day": "2021-03-27T23:00:00.000Z", "nutrition": { "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2 }, "creator": "605f66b7ea73553908b6a3bc" }] </pre>
Format parametara	izlaznih	application/json
Moguće greške		<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Fetching daily nutrition failed, please try again later' • Kod: 401 • Poruka: 'Unauthorized.'

42 Pregled nutritivnog unosa korisnika

Opis funkcije	Pregled istorije nutritivnog unosa prijavljenog korisnika
HTTP metoda	GET
URL	/daily-nutrition/:uid
URL parametri	uid=[string] – Identifikator korisnika
HTTP body parametri	(nema)
Format HTTP body parametara	(nema)
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>Niz JSON objekata. Svaki element niza ima attribute id=[string], day=[date], nutrition[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int]; i creator=[string].</p> <p>Primer:</p> <pre>[{ "id": "6060b5e6a95c1832c45b3cd1", "day": "2021-03-25T23:00:00.000Z", "nutrition": { "calories": 2148, "totalFats": 243, "saturatedFats": 45, "totalCarbohydrates": 2.1, "sugar": 0, "proteine": 0.6 }, "creator": "605f66b7ea73553908b6a3bc" }, { "id": "6060b63a2a36ee0708064d82", "day": "2021-03-26T23:00:00.000Z",</pre>

		<pre> "nutrition": { "calories": 1432, "totalFats": 162, "saturatedFats": 30, "totalCarbohydrates": 1.4, "sugar": 0, "proteine": 0.4 }, "creator": "605f66b7ea73553908b6a3bc" }, { "id": "6060b6782a36ee0708064d8a", "day": "2021-03-27T23:00:00.000Z", "nutrition": { "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2 }, "creator": "605f66b7ea73553908b6a3bc" }] </pre>
Format parametara	izlaznih	application/json
Moguće greške		<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Fetching daily nutrition failed, please try again later' • Kod: 404 • Poruka: 'Could not find daily nutrition data for the provided user.'

	<ul style="list-style-type: none">• Kod: 403• Poruka: 'Authentication failed!' • Kod: 401• Poruka: 'Unauthorized.'
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43 Dodavanje nutritivnog unosa korisnika

Opis funkcije	Dodavanje novog nutritivnog unosa u bazu podataka
HTTP metoda	POST
URL	/daily-nutrition/
URL parametri	(nema)
HTTP body parametri	<p>JSON objekat koji ima atribut nutrition=[Object] sa atributima calories=[int], totalFats=[int], saturatedFats=[int], totalCarbohydrates=[int], sugar=[int] i proteine=[int].</p> <p>Primer:</p> <pre>{ "nutrition": { "calories": 716, "totalFats": 81, "saturatedFats": 15, "totalCarbohydrates": 0.7, "sugar": 0, "proteine": 0.2 } }</pre>
Format HTTP body parametara	application/json
Headers	"Authorization": "Bearer {token}"
Izlazni parametri	<p>JSON objekat koji ima atribut message=[string].</p> <p>Primer:</p> <pre>{ "message": "Daily nutrition added." }</pre>
Format izlaznih parametara	application/json

Moguće greške	<ul style="list-style-type: none"> • Kod: 500 • Poruka: 'Adding to daily nutrition failed, please try again later' • Kod: 422 • Poruka: 'Invalid inputs passed, please check your data.' • Kod: 403 • Poruka: 'Authentication failed!' • Kod: 404 • Poruka: 'Could not find a user for the provided user id.'
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