

GymBroApp

Dokumentacija

The diagram illustrates a fitness application's data model. Key classes and their attributes include:

- Users**: Name, ID, Profile, Role, Password, Username, Location, Gender, HeightWeight, Email, DateCreated.
- Plans**: Name, ID, Goal, Level, Difficulty, Location, DateCreated.
- Goals**: Name, ID, Location, Difficulty, Location, DateCreated.
- Levels**: Name, ID, Location, Difficulty.
- SavedMeals**: Name, ID, Location, Difficulty.
- Meals**: Name, ID, TypeOfMeal, Calories, Protein, Carbs, Fat, Sugar, HeightWeight, Location, DateCreated.
- Ingredients**: Name, ID, Location, Difficulty.
- Exercises**: Name, ID, Location, Difficulty.
- Workouts**: Name, ID, Location, Difficulty.
- Sets**: Name, ID, Location, Difficulty.
- PlansWeeks**: Name, ID, Location, Difficulty.
- PlansWeeksDays**: Name, ID, Location, Difficulty.
- PlansWeeksDaysMeals**: Name, ID, Location, Difficulty.
- WorkoutsSets**: Name, ID, Location, Difficulty.
- WorkoutsSetsExercises**: Name, ID, Location, Difficulty.
- ExercisesMuscles**: Name, ID, Location, Difficulty.
- Muscles**: Name, ID, Location, Difficulty.
- Files**: Name, ID, Location, Difficulty.
- RoboUserCases**: Name, ID, Location, Difficulty.
- Roles**: Name, ID, Location, Difficulty.
- LogEntries**: Name, ID, Location, Difficulty.
- Genders**: Name, ID, Location, Difficulty.
- UserPlans**: Name, ID, Location, Difficulty.
- SavedWorkouts**: Name, ID, Location, Difficulty.

Associations are represented by lines connecting the classes, often with multiplicity values (1, N, M) and role names. For example, a **Users** (1) is associated with **Plans** (N) as the **Author** and **Owner**. **Plans** (1) are associated with **PlansWeeks** (N) as the **Plan**. **PlansWeeks** (1) are associated with **PlansWeeksDays** (N) as the **PlanWeek**. **PlansWeeksDays** (1) are associated with **PlansWeeksDaysMeals** (N) as the **PlanWeekDay**. **PlansWeeksDaysMeals** (1) are associated with **Meals** (N) as the **Meal**. **Meals** (1) are associated with **Ingredients** (N) as the **Ingredient**. **Exercises** (1) are associated with **ExercisesMuscles** (N) as the **Exercise**. **Workouts** (1) are associated with **Sets** (N) as the **Workout**. **Sets** (1) are associated with **WorkoutsSets** (N) as the **Set**. **WorkoutsSets** (1) are associated with **WorkoutsSetsExercises** (N) as the **WorkoutSet**. **WorkoutsSetsExercises** (1) are associated with **Exercises** (N) as the **Exercise**. **Files** (1) are associated with **Users** (N) as the **File**. **RoboUserCases** (1) are associated with **Users** (N) as the **RoboUserCase**. **Roles** (1) are associated with **Users** (N) as the **Role**. **LogEntries** (1) are associated with **Users** (N) as the **LogEntry**. **Genders** (1) are associated with **Users** (N) as the **Gender**. **UserPlans** (1) are associated with **Users** (N) as the **UserPlan**. **SavedWorkouts** (1) are associated with **Users** (N) as the **SavedWorkout**.

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Endpoints

Auth

POST api/Auth

Logovanje korisnika i dohvaćanje tokena

DELETE api/Auth:

Brisanje tokena/Logout

Exercices

GET api/Exercices

Dohvaćanje svih zapisa ukoliko keyword nije poslat, ukoliko jeste dohvata vezbe čiji naziv sadrži prosledjeni parameter

POST api/Exercices

Pravljenje nove vezbe

GET api/Exercices/SearchExercicesByNameOfMuscle

Pretraga vezbi po nazivu misica koji se 'pogadja' prilikom izvodjenja vezbe

GET api/Exercices/{id}

Dohvaćanje vezbe po njenom ID

PUT api/Exercices/{id}

Izmena naziva vezbe čiji je ID prosledjen

DELETE api/Exercices/{id}

Brisanje vezbe ciji je ID prosledjen

POST api/Exercices/AddExerciceIntoSet

Dodavanje vezbe u set.

Ingredients

GET api/Ingredients

Dohvatanje svih sastojaka ukoliko nema parametara, suprotno pretraga sastojaka po nazivu.

POST api/Ingredients

Dodavanje novog sastojka.

GET api/Ingredients/{id}

Dohvatanje sastojka po njegovom ID.

PUT api/Ingredients/{id}

Izmena sastojka(naziv).

DELETE api/Ingredients/{id}

Brisanje sastojka

POST api/Ingredients/AddIngredientIntoMeal

Dodavanje sastojka u obrok

InsertData

Dodavanje podataka u bazu.

Meals

GET api/Meals

Dohvatanje svih obroka ukoliko nema parametra, suprotno pretraga po kolicini kalorija I proteina(od-do) I po nazivu.

POST api/Meals

Dodavanje novog obroka

GET api/Meals/{id}

Dohvatanje obroka po njegovom ID.

PUT api/Meals/{id}

Izmena naziva obroka I kolicine sastojka koji se nalazi u tom obroku kao I tipa obroka.

DELETE api/Meals/{id}

Brisanje obroka

POST api/Meals/AddMealToDayOfWeek

Dodavanje obroka u dan u nedelji.

Muscles

GET api/Muscles

Dohvatanje svih misica, ako ima parameter onda po njegovom nazivu

POST api/Muscles

Dodavanje novog misica

GET api/Muscles/{id}

Dohvatanje misica po njegovom ID

PUT api/Muscles/{id}

Izmena naziva misica

DELETE api/Muscles/{id}

Brisanje misica

POST /api/Muscles/AddMuscleIntoExercise

Dodavanje misica u vezbu(da se taj misic aktivira tom vezbom)

Plans

GET api/Plans

Dohvatanje svih planova(Samo za obicnog usera,vidi nazive planova I parametri za pretragu su pol,nivo I cilj)

POST api/Plans

Dodavanje novog plana

GET api/Plans/{id}

Dohvatanje plana po njegovom ID

PUT api/Plans/{id}

Izmena plana(ime,tezina,pol,cilj)

DELETE api/Plans/{id}

Uklanjanje plana

GET /api/Plans/Admin

Prikaz svih planova za Admina(detaljan prikaz svih planova)

Sets

GET api/Sets

Dohvatanje svih setova, parametar je naziv

POST api/Sets

Dodavanje novog seta

GET api/Sets/{id}

Dohvatanje seta po njegovom ID

PUT api/Sets/{id}

Izmena seta(ime ponavljanja pauza I vezbe u njemu)

DELETE api/Sets/{id}

Brisanje seta

POST /api/Sets/AddSetToWorkout

Dodavanje seta u trening

Users

GET api/Users

Dohvatanje svih korisnika

GET api/Users/{id}

Dohvatanje korisnika po njegovom ID

GET api/Users/UserSavedMeal

Dohvatanje sacuvanih obroka ulogovanog korisnika

GET api/Users/UserSavedWorkouts

Dohvatanje sacuvanih treninga ulogovanog korisnika

GET api/Users/UserSavedPlans

Dohvatanje planova ulogovanog korisnika

PUT api/Users

Izmena stavki ulogovanog usera

POST api/Users/GetPlan

Kupi/Dodaj plan

POST api/Users/SaveMeal

Sacuvaj obrok

POST api/Users/SaveWorkout

Sacuvaj trening

Weeks

GET api/Weeks

Dohvatanje svih nedelja koje se nalaze u planovima koji pripadaju ulogovanom korisniku

POST api/Weeks

Dodavanje nove nedelje

PUT api/Weeks/{id}

Izmena naziva nedelje, izmena treninga u danu u nedelji, izmena obroka u danu u nedelji, izmena kom planu pripada nedelja.

GET api/Weeks/{id}

Dohvatanje nedelje po njenom ID

POST /api/Weeks/AddWeekIntoPlan

Dodavanje nedelje u plan

DELETE api/Weeks/{id}

Brisanje nedelje

Workouts

GET api/Workouts

Dohvatanje svih treninga,parametar naziv

POST api/Workouts

Dodavanje novog treninga

GET api/Workouts/{id}

Dohvatanje treninga po njegovom ID

POST /api/Workouts/AddWorkoutIntoDay

Dodavanje treninga u dan

PUT api/Workouts/{id}

Izmena naziva treninga, pauze I broja setova u treningu,vezbe I broja ponavljanja vezbe u setu u treningu

DELETE api/Workouts/{id}

Brisanje treninga

Logs

GET api/Logs

Pretraga loga po parametrima, bez njih vraca sve logove.

Uloge

Admin:

Sva dodavanja u bazu, dohvaćanje usera, prikaz svih planova detaljno, prikaz svih nedelja detaljno, sve izmene

User:

Pregled planova(nazivi težina cilj pol), pregled svih treninga i obroka, detaljan prikaz nedelja koje se nalaze u planovima koje poseduje, prikaz svih planova korisnika kao i sacuvanih obroka i treninga, dodavanje novog plana(samo ako se poklapa sa stavkama korisnika) i cuvanje treninga i obroka. Izmjena kredencijala

Napomena:

Svaki delete je soft delete.