ExerLog Back-End Artifacts

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API and User Interface Design

#	Interaction	Expected Result
1	User must register an account or login	A user must login or create an account with correct parameters in order to see other navbar functions on the website.
2	User opens Exercise catalog page	A database query aggregates all of the exercises with their name, body part, equipment requirement and gif link.
3	User filters Exercise list for a specific name, body part, and or equipment	A database query aggregates all of the exercises with their filtered attributes and the UI presents this in a table to the user.
4	User opens routine page	A database query retrieves all the created routines for the user
5	User can create routines	A user can use a form to create a new routine with a name. (Optional) User must select a template for the type of routine they want to create.
7	User can add exercises to the routine	An add exercise button will allow a user to filter through exercises and choose which ones to add to the routine which is then committed.
8	User can logout	A user logs out removing all options from sidebar and securely exiting the environment.

Swagger API Documentation

Schemes

HTTP ⌄

Django Login | Authorize 🔒

Filter by tag

exercises ⌃

GET	/exercises/	exercises_list ⌄ 🔒
POST	/exercises/	exercises_create ⌄ 🔒
GET	/exercises/{id}/	exercises_read ⌄ 🔒
PUT	/exercises/{id}/	exercises_update ⌄ 🔒
PATCH	/exercises/{id}/	exercises_partial_update ⌄ 🔒
DELETE	/exercises/{id}/	exercises_delete ⌄ 🔒

login ⌃

| POST | /login/ | login_create ⌄ 🔒 |

logout ⌃

| POST | /logout/ | logout_create ⌄ 🔒 |

logoutall ⌃

| POST | /logoutall/ | logoutall_create ⌄ 🔒 |

register ⌃

| POST | /register/ | register_create ⌄ 🔒 |

routines ⌃

GET	/routines/	routines_list ⌄ 🔒
POST	/routines/	routines_create ⌄ 🔒
GET	/routines/{id}/	routines_read ⌄ 🔒
PUT	/routines/{id}/	routines_update ⌄ 🔒
PATCH	/routines/{id}/	routines_partial_update ⌄ 🔒
DELETE	/routines/{id}/	routines_delete ⌄ 🔒

workouts ⌃

GET	/workouts/	workouts_list ⌄ 🔒
POST	/workouts/	workouts_create ⌄ 🔒
GET	/workouts/{id}/	workouts_read ⌄ 🔒
PUT	/workouts/{id}/	workouts_update ⌄ 🔒

PostgreSQL Database Schema (Pgadmin)

public — knox_authtoken
- digest
- created
- user_id
- expiry
- token_key

public — auth_user
- id
- password
- last_login
- is_superuser
- username
- first_name
- last_name
- email
- is_staff
- is_active
- date_joined

workouts
- id
- sets
- reps
- duration
- exercise_id
- routine_id
- user_id

public — routines
- id
- routine_name
- day
- user_id
- status

public — exercises
- id
- name
- body_part
- equipment
- gif_url
- muscle_group