

# End of Module 2 Project Design

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## Function Requirements

As an unauthenticated user:

- I can register a username and password
- I can login
- I can view a list of barbell lifts

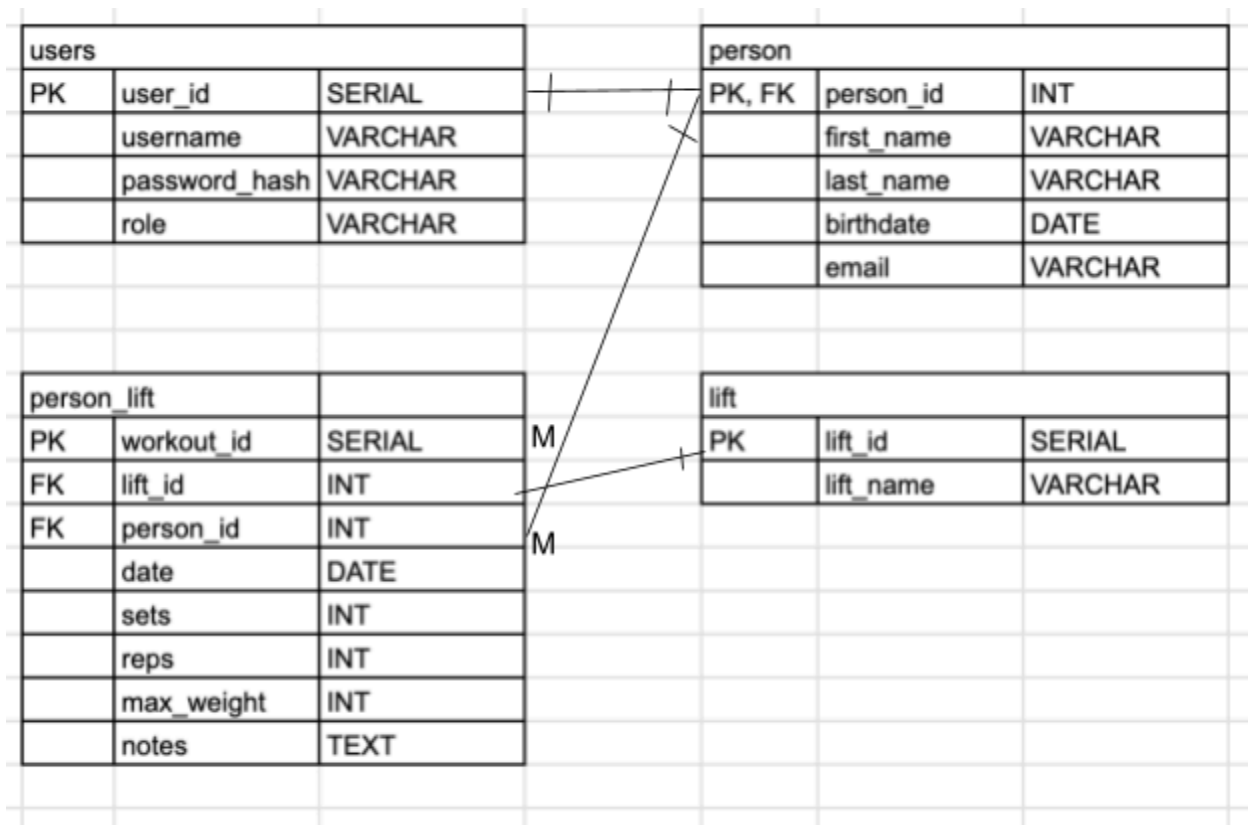
As an authenticated USER user:

- I can view a list of all my workouts
- I can view a list of my workouts on a specific date or date range
- I can view a list of my workouts with a particular lift
- I can create a workout (for user)
- I can update a workout (for user)
- I can delete a workout (for user)

As an ADMIN user:

- Members:
  - I can view a list of members
- Workouts:
  - I can view a list of all member workouts
  - I can view a list of workouts for a member searching by last name
  - I can view a list of member workouts on a specific date or date range
  - I can view a list of members workouts for a particular lift

## Database ERD Diagram



## API Endpoint Design

Endpoint	Method	Query Params	Description	Success	Error	Authentication
/api/register	POST	none	Register a username and password	201	400, 422	none
/api/login	POST	none	Login with username and password	201	401, 422	none
/api/lifts	GET	none	Get list of all barbell lifts	200	404	none
/api/workouts	GET	none/ lastName/ date/ date range/ lift	Get all member workouts [optionally filter by lastName (only for admin), date, date range, or lift]	200	404, 403	authenticated USER, authenticated ADMIN
/api/workouts	POST	none	Create a workout (for authenticated user)	201	404, 401	authenticated USER
/api/workouts/{id}	PUT	none	Update a workout (for authenticated user)	201	404, 401	authenticated USER
/api/workouts/{id}	DELETE	none	Delete a workout (for authenticated user)	204	404, 402	authenticated USER
/api/members	GET	none	View list of members	200	404, 403	authenticated ADMIN