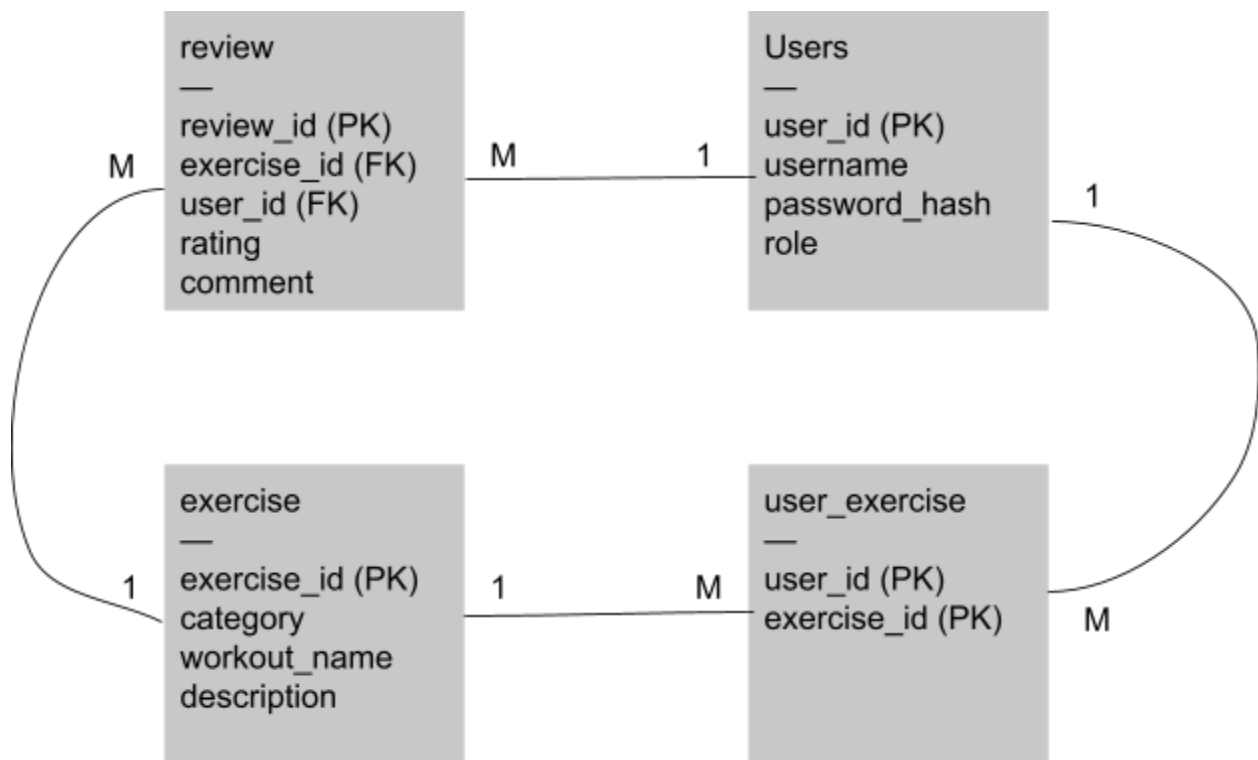


Exercise Project Design

Functional Requirements (MVP)

- As an unauthenticated user
 - I can view a list of all reviews.
 - I can view a list of reviews from a username.
 - I can view a list of reviews from a rating.
 - I can view a list of all exercises.
 - I can view a list of all exercises from a category.
 - I can search for an exercise from a workout name.
 - I can create a user.
 - I can login.
- As an authenticated user
 - I can create a review.
 - I can edit my reviews.
 - I can delete my own review.
 - I can delete my user.
- As an ADMIN
 - I can view all users.
 - I can create an exercise.
 - I can edit an exercise.
 - I can delete a user's review.
 - I can delete a user.

Database ERD diagram



API Endpoint Design

Endpoint	Method	Query Params	Description	Success	Error	Authentication
/api/users	GET	none	Get all users	200	403	ADMIN
/api/review	GET	none	Get all reviews	200	404	none
/api/review/username/{username}	GET	none	Get all reviews by username	200	404	none
/api/review/rating/{rating}	GET	none	Get all reviews by rating	200	404	none

/api/exercise	GET	none	Get all exercises	200	400	none
/api/exercise/category/{category}	GET	none	Get all exercises by category	200	404	none
/api/exercise/workoutName/{workoutName}	GET	none	Get exercise by workoutName	200	404	none
/api/user	POST	none	Create a user	201	400	none
/api/review	POST	none	Create a review	201	400, 422	authenticated user
/api/exercise	POST	none	Create an exercise	201	400, 422, 403	ADMIN
/api/review/{id}	PUT	none	Update my review	200	404, 409	authenticated user
/api/exercise/{id}	PUT	none	Update an exercise	200	404, 409	ADMIN
/api/user/{id}	DELETE	none	Delete a user	204	404	authenticated user
/api/review/{id}	DELETE	none	Delete a review	204	404	ADMIN, authenticated user
/api/exercise/{id}	DELETE	none	Delete a exercise	204	404	ADMIN