User Entity Relationship
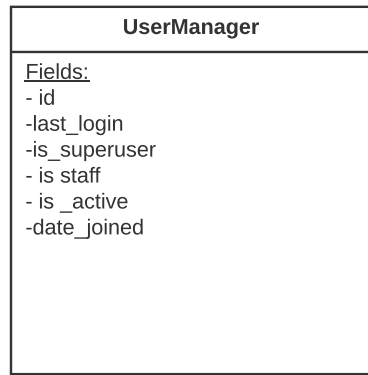
Areej Negm | December 2, 2022

UserManager

Fields:
- id
- last_login
- is_superuser
- is staff
- is _active
- date_joined
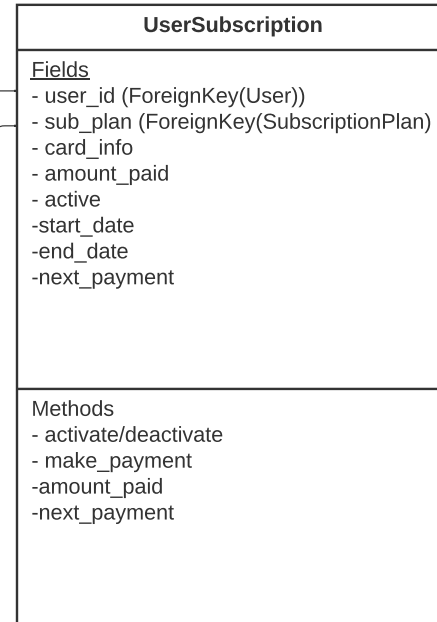
This user manager is used for creating users and admin. Since our model is not using the builtin "username" as the auth. This was necessary for creating users that had their email as the auth_field
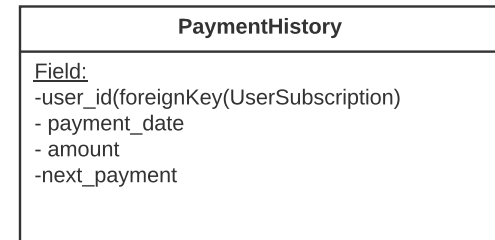
User

Fields:
- first_name
- last_name
- email
- avatar
- phone_num
- password
- lon
- lat
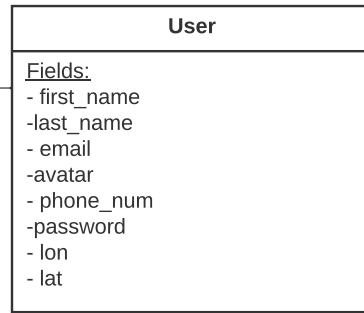
Our custom user model allows users to input longitude and lattitude coordinates which will be converted into a Point model to allow for easier comparisons of distance in relation to studios.

UserSubscription

Fields
- user_id (ForeignKey(User))
- sub_plan (ForeignKey(SubscriptionPlan)
- card_info
- amount_paid
- active
- start_date
- end_date
- next_payment

Methods
- activate/deactivate
- make_payment
- amount_paid
- next_payment

This UserSubscription Model has a foreign key relationship with User and gets created only when users wich to activate a subscription. It has all the necessary fields and methods to activate the subscription and updated the fields as the user makes payments. This also keeps track of the amount paid at each transaction, where a new instance of the PaymentHistory model will be added for each user

SubscriptionPlan

Field:
subscription_choices
('Free', '14.99/month', 149.99/year')
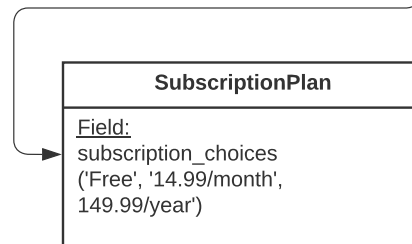
This SubscriptionPlan model allows users to select which subscription plan they wish to activate. This makes for easier implementation for the UserSubscription Model as its user_sub field points to an instance of this model

PaymentHistory

Field:
- user_id(foreignKey(UserSubscription)
- payment_date
- amount
- next_payment

The PaymentHistory model keeps track of all the payments made by a specific UserSubscription model and stores it in a table for users can view.