App:

Accounts:

* there are two types of users: common user and doctors.
* User model has fields: email, password, Boolean type ‘is\_doctor’ which is default false;
* ‘is\_doctor’ can only be modified by superuser.
* Doctor model has 1-1 foreign key of user model and requires two more fields, namely ‘specialty’ and ‘certificate’.
* There are two register view: common user and doctor user.
* If request user is not authenticated and post in the common user register view, then a common user is created with ‘is\_doctor’ being false.
* If request user is not authenticated and post in the doctor user register, then a common user is created and a doctor application request is sent to superuser to process. Which means superuser should have a view that can handle requests.
* If request user is authenticated and not a doctor, user can access doctor register view and apply for a doctor. The superuser then can set ‘is\_doctor’ of qualified users true.
* If request user is already a doctor, the doctor register view should raise a warning.

Chat:

* In this app, common users can connect a doctor and have real-time chat.
* Users can send pet card containing information of their pets.
* Doctors can access the pet card and prescribe for the pet. Specifically, the doctor would create a prescription and the fields related to the user, the pet, and the doctor is automatically generated.