

Model Designs:

In general, with the exception of Comments, since they are relevant to two entirely different models (ShelterUser and Application), Object reference each other from the bottom up (i.e. notifications reference users)

- Accounts
 - User
 - Contains information for Authenticating and identifying User
 - Username, Email, Password
 - ShelterUser
 - Contains non-Auth information about a Shelter
 - User, Avatar, Comments
 - SeekerUser
 - Contains non-Auth information about a Seeker
 - User, Avatar
- Petlistings
 - PetListing
 - Contains information about a single petlisting
 - Name, status, species, shelter, breed, age, gender, size, medical_history, behaviour, special_needs, image1, 2 and 3
- application
 - Application
 - Contains information about a single application
 - Status, id, pet_listing, creation_time, last_update_time, comments
- comments
 - Comment
 - Contains the information for one (general) comment
 - Text, creationTime, username
- notification
 - Notification
 - Contains information for one (general) notification
 - Recipient, Status, Created_At, Message, Link

Endpoints:

- Accounts
 - signup [ANY] [POST] – for signing up new users
 - username: str
 - email: str
 - password: str
 - user_type: ["seeker", "shelter"]
 - login [ANY] [POST] – for logging in existing users
 - email: str

- password: str
 - logout [AUTHENTICATED] [POST] – for logging out users
 - shelter/list [ANY] [GET] – for getting a list of all shelters
 - seeker/<str:username> [AUTHENTICATED] [GET, DELETE, PUT] – for modifying, viewing and deleting SeekerUsers
 - PUT:
 - username: str
 - email: str
 - password: str
 - avatar: img
 - shelter/<str:username> [AUTHENTICATED] [DELETE, PUT] | [ANY] [GET] for modifying, viewing and deleting ShelterUsers
 - - PUT:
 - username: str
 - email: str
 - password: str
 - avatar: img
- petlistings
 - petlistings [ANY] [GET] – for getting a list of petlistings
 - petlistings/new [AUTHENTICATED] [POST] – For Creating a new petlisting
 - POST:
 - name: str
 - status: ['available', 'adopted']
 - species: str
 - breed: str
 - age: int
 - gender: ['m', 'f']
 - size: str
 - medical_history: str
 - behavior: str
 - special_needs: str
 - image1: img
 - image2: img
 - image3: img
 - petlistings/<int:pk> [AUTHENTICATED] [UPDATE, DELETE] | [ANY] [GET] for modifying, viewing and deleting PetListing
 - PUT:
 - name: str
 - status: ['available', 'adopted']
 - species: str
 - breed: str
 - age: int

- gender: ['m', 'f']
 - size: str
 - medical_history: str
 - behavior: str
 - special_needs: str
 - image1: img
 - image2: img
 - image3: img
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- application
 - applications/new [AUTHENTICATED] [POST] – for creating new applications
 - pet_listing: int
 - applications/list [AUTHENTICATED] [GET] – for getting a list of all applications
 - applications/<int:pk> [AUTHENTICATED] [PUT, GET] – for modifying and viewing existing applications
 - PUT:
 - status (seeker): ['withdrawn']
 - status (shelter): ['accepted', 'denied']
- comments
 - shelter/<str:username>/comments [AUTHENTICATED] [POST] | [ANY] [GET] – For creating comments and viewing and list of comments for shelters
 - POST:
 - text: str
 - application/<int:pk>/comments [AUTHENTICATED] [POST, GET] – For creating comments and viewing and list of comments for applications
 - POST:
 - text: str
- notification
 - notifications [AUTHENTICATED] [GET] – for getting a list of notifications
 - notifications/<int:pk> [AUTHENTICATED] [PUT, DELETE] – for updating the status of or deleting a notification
 - PUT:
 - status: ['read']
 - notification/new [AUTHENTICATED] [POST] – for creating a new notification