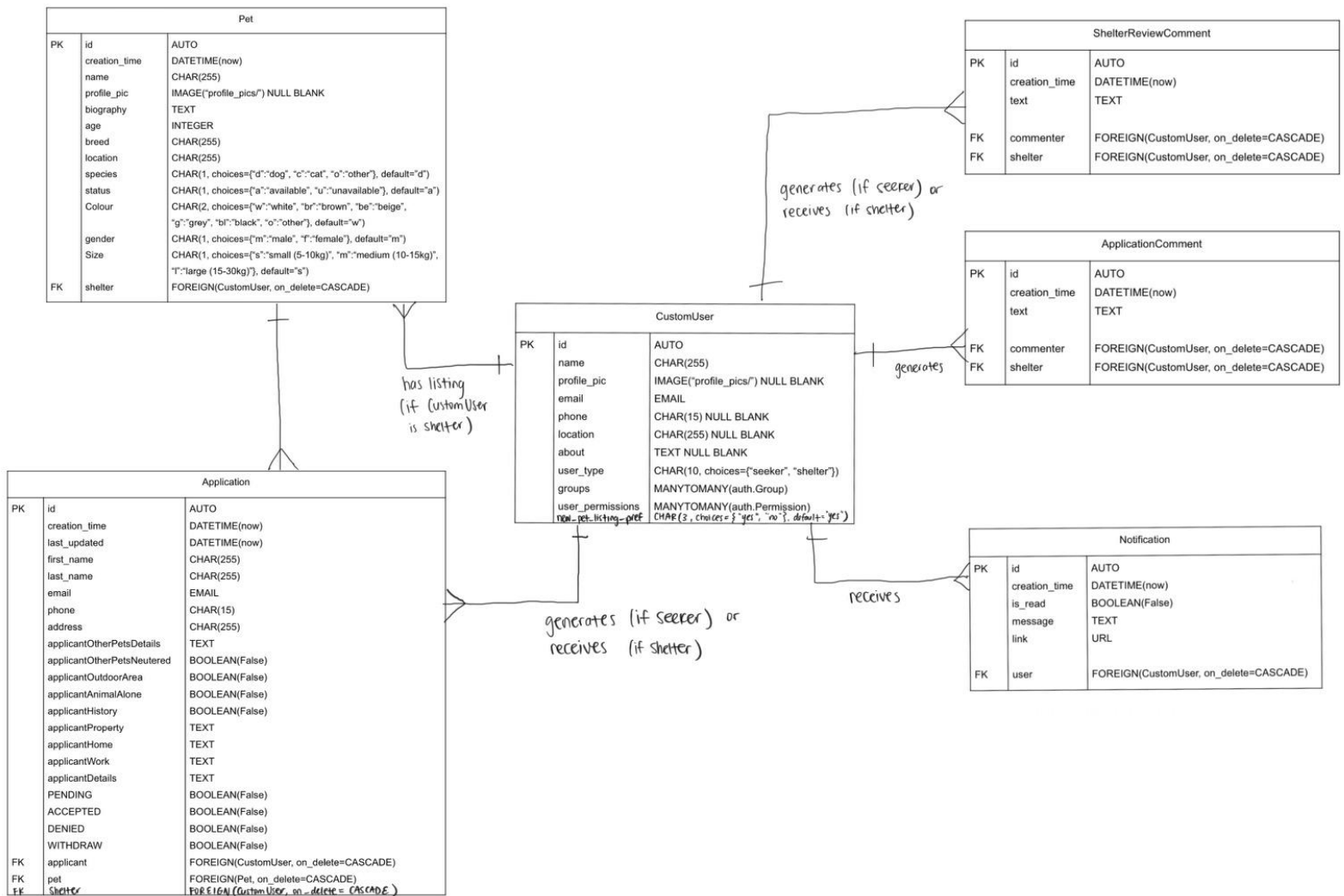


docs.pdf

Notes

In addition to the packages required for P2, we are also using Django Filters. Of course, this package is installed when you run startup.sh.

Models Designs



API Endpoints

Accounts

Endpoint: `/accounts/user/creation/`

Methods: POST

Payloads: `user_type`, `username`, `password`, `repeat_password`, `name`, `profile_pic`, `email`, `phone`, `location`, `about`, `new_pet_listing_pref`

Description: Create a new shelter or seeker account.

Endpoint: `/accounts/`

Methods: POST

Payloads: `username`, `password`

Description: Endpoint for logging in. You will get an access token (specified by payload `access_token`) upon successful login.

Endpoint: `/accounts/user/<int:pk>/profile/`

Methods: GET

Authenticated: YES

Description: Get the profile details of a user specified by id `<int:pk>`.

Endpoint: `/accounts/user/<int:pk>/updatation/`

Methods: PUT

Authenticated: YES

Payloads: `username`, `password`, `repeat_password`, `name`, `profile_pic`, `email`, `phone`, `location`, `about`, `new_pet_listing_pref`

Description: Update the user given by `<int:pk>`.

Endpoint: `/accounts/user/<int:pk>/deletion/`

Methods: DELETE

Authenticated: YES

Description: Delete the user given by `<int:pk>`.

Endpoint: `/accounts/list/<str:type>/`

Methods: GET

Description: Get a list of accounts. View is only accessible when `<str:type>` is "shelters".
(I.e., `/accounts/list/shelters/` will show a list of all shelters.
`/accounts/list/seekers/` will give you a 403 forbidden error.)

Pet Listings

Endpoint: /pets/

Methods: GET

Authenticated: NO

Description: View all pet listings from all shelters.

- To sort by a parameter (any),
 - Creation time (default): /pets/?sort=age
- To filter by...
 - Shelter: /pets/?shelter=2
 - Status: /pets/?status=available
 - Colour: /pets/?colour=white
 - Size: /pets/?size=small

Endpoint: /pets/create/

Methods: POST

Authenticated: YES (shelter only)

Payloads: name, biography, species, status, breed, colour, age, gender, size, location

Description: Allows a shelter to create a new pet listing. Will send a notification to seekers with new pet listing notifications turned on.

Endpoint: /pets/<int:pk>/

Methods: GET, PUT, DELETE

Authenticated: YES (both seekers and shelters can GET; only shelters can PUT/DELETE)

Description: Get, update, and/or delete a pet listing specified by <int:pk>.

Comments

Endpoint: /comments/shelter/<int:pk>/

Methods: GET, POST

Authenticated: YES

Payloads: text

Description: Users can get a list of a shelter's reviews. Seekers can create a review for a shelter (a notification will be sent to the shelter). The shelter is given by <int:pk>.

Endpoint: /comments/application/<int:pk>/

Methods: GET, POST

Authenticated: YES

Payloads: text

Description: Users can get a list of all comments related to the application given by <int:pk>.

Applications

Endpoint: /applications/pet/<int:pet_id>/

Methods: POST

Authenticated: YES (seeker only)

Payloads: ...

Description: Allows a seeker to fill in an application form.

Endpoint: /applications/shelter/applications/

Methods: GET

Authenticated: YES (shelter only)

Description: Allows a shelter to view a list of their applications. Pagination supported.

- To sort by...
 - Creation time (default):
/applications/shelter/applications/?sort=creation_time
 - Last updated:
/applications/shelter/applications/?sort=last_updated
- To filter by status, apply status:
 - /applications/shelter/applications/?status=ACCEPTED

Endpoint: /applications/<int:application_id>/

Methods: GET

Authenticated: YES

Description: Shelters can view all applications made for their pets, and seekers can view the applications they made.

Endpoint: /applications/<int:application_id>/update/

Methods: PUT

Authenticated: YES

Payloads: status

Description: Update the status of an application. Shelter can only update the status of an application from pending to accepted or denied. Seeker can only update the status of an application from pending or accepted to withdrawn.

Notifications

(Note: there is no endpoint for notification creation because other actions will create notifications.)

Endpoint: /notifications/

Methods: GET

Authenticated: YES

Payloads: user, creation_time, is_read, message, link

Description: Shelters and seekers can view a list of all of their own notifications.

- To sort by creation time, apply sort:
 - /notifications/?sort=latest
 - /notifications/?sort=oldest
- To filter by read/unread, apply filter:
 - /notifications/?filter=read
 - /notifications/?filter=unread
- To sort AND filter: /notifications/?sort=latest&filter=unread
- Pagination is supported (currently set to 4 notification objects per page)

Endpoint: /notifications/<int:pk>/

Methods: GET, DELETE

Authenticated: YES

Payloads: user, creation_time, is_read, message, link

Description: Can get or delete the notification specific by id <int:pk>. The link payload specifies the link to the associated model.