

Accounts

Endpoint: /api/token/

Method: POST

Description: login/generate token for the user

Payloads/Example Value:

```
{
  "email": "jack@gmail.com",
  "password": "qwermbv"
}
```

Endpoint: /shelter/

Method: POST

Description: create a new shelter user

Payloads/Example Value:

```
{
  "shelter": {
    "photo": null,
    "name": "Amazing Shelter",
    "phone": "1234567890",
    "country": "Canada",
    "province": "Ontario",
    "address": "123 Amazing Ave.",
    "postal_code": "M1N 3N4",
    "mission": "Our mission is to get animals a loving place to stay!"
  },
  "password": "qwermbv",
  "first_name": "Jack",
  "last_name": "Sun",
  "email": "jack@gmail.com",
  "account_type": "shelter"
}
```

Endpoint: /seeker/

Method: POST

Description: create a new seeker user

Payloads/Example Value:

```
{
  "seeker": {
    "photo": null
  },
  "password": "qwermbv",
}
```

```
{
  "first_name": "Bob",
  "last_name": "Bobby",
  "email": "bob@gmail.com",
  "account_type": "seeker"
}
```

Endpoint: /shelters/

Method: GET

Description: view a list of shelters

Payloads/Example Value: N/A

Endpoint: /shelter/<int:pk>/

Method: GET

Description: get the shelter information (any user can see the profile of a shelter)

Payloads/Example Value: N/A

Method: PUT

Description: update the shelter information

Payloads/Example Value:

```
{
  "shelter": {
    "photo": null,
    "name": "Updated Shelter",
    "phone": "1234567890",
    "country": "Canada",
    "province": "Ontario",
    "address": "123 Amazing Ave.",
    "postal_code": "M1N 3N4",
    "mission": "Our mission is to get animals a loving place to stay!"
  },
  "password": "qwermbv",
  "first_name": "Jack",
  "last_name": "Sun",
  "email": "jack@gmail.com",
  "account_type": "shelter"
}
```

Method: DELETE

Description: delete the shelter, as well as their pet listings and notifications

Payloads/Example Value: N/A

Endpoint: /seeker/<int:pk>/

Method: GET

Description: get the seeker information (shelters can only view pet seekers' profiles if they have an active application with the shelter)

Payloads/Example Value: N/A

Method: PUT

Description: update the seeker information

Payloads/Example Value:

```
{
  "seeker": {
    "photo": null
  },
  "password": "qwermbv",
  "first_name": "NotBOB",
  "last_name": "Bobby",
  "email": "notbob@gmail.com",
  "account_type": "seeker"
}
```

Method: DELETE

Description: delete the seeker, as well as their applications and notifications

Payloads/Example Value: N/A

Pet Listings

Endpoint: /pets/

Method: GET

Description: all pet listings can be viewed

Payloads/Example Value: N/A

Method: POST

Description: create a new pet listing

Payloads/Example Value:

```
{
  "shelter": 1,
  "name": "Fluffy",
  "age": "9",
  "species": "Dog",
  "breed": "Poopoodle",
  "size": 1502,
  "gender": "Female",
  "photo": null,
  "status": "available",
  "birthday": "2021-01-15",
  "medical_history": "Up-to-date vaccinations",
  "special_needs": "None",
  "personality": "Friendly and playful",
  "others": "Loves to fetch"
}
```

Endpoint: /pets/results/

Method: GET

Description: search results with filtering, sorting, pagination

Payloads/Example Value:

Search params (shelter ID, status, breed, gender), default is status=available

Examples:

- shelterId=1
- status=available
- breed=Poopoodle
- gender=Female

Order params (name, age), can use both at once

Examples:

- order=name
- order=age

Endpoint: /pets/<int:pk>/

Method: PUT

Description: update the pet listing information

Payloads/Example Value:

```
{
  "shelter": 1,
  "name": "Fluffy",
  "age": 9,
  "species": "Dog",
  "breed": "Poopoodle",
  "size": 1502,
  "gender": "Female",
  "photo": null,
  "status": "available",
  "birthday": "2021-01-15",
  "medical_history": "Up-to-date vaccinations",
  "special_needs": "None",
  "personality": "Friendly and playful",
  "others": "HATES to fetch"
}
```

Method: DELETE

Description: delete the pet listing, as well as their associated applications and their comments.

Payloads/Example Value: N/A

Applications

Endpoint: /applications/

Method: GET

Description: shelters can only view their own applications, seekers can only view their own applications. Can filter applications by status . Can sort applications by creation time and last update time. Pagination support.

Payloads/Example Value:

Params (status=pending,accepted,denied,withdrawn)

Examples:

→ status="pending"

Method: POST

Description: create new application (only allowed for available pets), also creates notification to the shelter.

Payloads/Example Value:

Params (pet, shelter)

Examples:

→ pet=1

→ shelter=1

```
{
  "first_name": "John",
  "last_name": "Doe",
  "phone": "123-456-7890",
  "email": "john.doe@example.com",
  "address": "123 Main St",
  "country": "United States",
  "province": "California",
  "postal_code": "12345"
}
```

Endpoint: /applications/<int:pk>/

Method: PATCH

Description: can only update status (shelter from pending to accepted or denied, seeker from pending or accepted to withdrawn). Creates notification that status is updated.

Payloads/Example Value:

```
{
  "status": "accepted"
}
```

Comments

Endpoint: /applications/<int:pk>/comment/

Method: GET

Description: list comments for application (only for specific shelter and seeker). Sort by creation time in descending order. Pagination support.

Payloads/Example Value: N/A

Method: POST

Description: create new comment (only the specific shelter and seeker can comment on their application). Create notification for the shelter or seeker. Also, the application's "last update time" is changed.

Payloads/Example Value:

```
{
  "content": "I love pets!",
}
```

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

Method: GET

Description: list comments for shelter. Sort by creation time in descending order. Pagination support.

Payloads/Example Value: N/A

Method: POST

Description: create new comment. Also create notification for the shelter or seeker.

Payloads/Example Value:

```
{
  "content": "I love pets!"
}
```

Notifications

Endpoint: /notifications/

Method: GET

Description: users can view their own notifications in order of creation time. Filter by read/unread. Pagination support.

Payloads/Example Value: N/A

Endpoint: /notifications/<int:pk>/

Method: GET

Description: provides link to associated model. (link to new comment, application creation, status update). Changes notification "is_read" status from False to True.

Payloads/Example Value: N/A

Method: DELETE

Description: delete the notification

Payloads/Example Value: N/A