

# PetPal API Documentation

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# Description

This PetPal API documentation provides a comprehensive set of endpoints to facilitate the management and interaction of users, caregivers, pets, and service contracts within the PetPal application. Outlining the available resources and their corresponding HTTP methods, request/response formats, and any required parameters.

The API is organized into several key sections:

1. Account Management: Handles user registration, authentication, and profile management.
2. Caregiver Management: Allows caregivers to manage their profiles, availability, and service offerings.
3. Pet Management: Enables users to register and manage their pets' information and media.
4. Contract Management: Facilitates the creation, acceptance, and completion of service contracts between pet owners and caregivers.
5. Search and Availability: Provides endpoints for searching caregivers based on various criteria and checking their availability.

Each section contains detailed information about the available endpoints, their functionalities, and the expected request and response structures. Code snippets and examples are provided to demonstrate the usage of each endpoint.

The API adheres to RESTFUL design principles and returns responses in JSON format. Proper HTTP status codes are used to indicate the success or failure of each request.

This documentation aims to provide developers with a clear understanding of how to integrate and interact with the PetPal API effectively.

## Register User

A **POST** request can be used to register a new user.

*Curl*

```
$ curl 'http://localhost:8080/api/auth/register' -i -X POST \
  -H 'Content-Type: application/json; charset=UTF-8' \
  -d '{
    "name": "Jahn Doe",
    "phone": "+1234567892",
    "email": "jane.doe@example.com",
    "username": "user",
    "password": "asdfasdf",
    "isCaregiver": 0
  }'
```

## Request

```
POST /api/auth/register HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 153
Host: localhost:8080
```

```
{
  "name": "Jahn Doe",
  "phone": "+1234567892",
  "email": "jane.doe@example.com",
  "username": "user",
  "password": "asdfasdf",
  "isCaregiver": 0
}
```

## RequestBody

```
{
  "name": "Jahn Doe",
  "phone": "+1234567892",
  "email": "jane.doe@example.com",
  "username": "user",
  "password": "asdfasdf",
  "isCaregiver": 0
}
```

Table 1. RequestField

| Path        | Type   | Description                                         |
|-------------|--------|-----------------------------------------------------|
| name        | String | The name of the user                                |
| phone       | String | The phone number of the user                        |
| email       | String | The email of the user                               |
| username    | String | The username of the user                            |
| password    | String | The password of the user                            |
| isCaregiver | Number | Indicates if the user is a caregiver (1) or not (0) |

## Response

```
HTTP/1.1 201 Created
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
```

X-Frame-Options: DENY

Content-Length: 40

```
{"message": "User register successfully"}
```

#### ResponseBody

```
{"message": "User register successfully"}
```

Table 2. ResponseField

| Path    | Type   | Description         |
|---------|--------|---------------------|
| message | String | The success message |

## Register User - Conflict

A **POST** request that fails to register a new user due to a conflict (e.g., username already exists). .Curl

```
$ curl 'http://localhost:8080/api/auth/register' -i -X POST \  
  -H 'Content-Type: application/json; charset=UTF-8' \  
  -d '{  
    "name": "John Doe",  
    "phone": "+1234567890",  
    "email": "john.doe@example.com",  
    "username": "user",  
    "password": "asdfasdf",  
    "isCaregiver": 0  
  }'
```

#### Request

```
POST /api/auth/register HTTP/1.1  
Content-Type: application/json; charset=UTF-8  
Content-Length: 153  
Host: localhost:8080  
  
{  
  "name": "John Doe",  
  "phone": "+1234567890",  
  "email": "john.doe@example.com",  
  "username": "user",  
  "password": "asdfasdf",  
  "isCaregiver": 0  
}
```

### RequestBody

```
{
  "name": "John Doe",
  "phone": "+1234567890",
  "email": "john.doe@example.com",
  "username": "user",
  "password": "asdfasdf",
  "isCaregiver": 0
}
```

### Response

```
HTTP/1.1 409 Conflict
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 37

{"message":"Account already existed"}
```

### ResponseBody

```
{"message":"Account already existed"}
```

Table 3. ResponseField

| Path    | Type   | Description                                         |
|---------|--------|-----------------------------------------------------|
| message | String | The error message indicating account already exists |

## Register User - Bad Request

A **POST** request that fails to register a new user due to invalid or missing fields.

### Curl

```
$ curl 'http://localhost:8080/api/auth/register' -i -X POST \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{
    "name": "John Doe",
    "phone": "+1234567890",
    "email": "john.doe@example.com",
    "username": "userWithNoPassword",
  }'
```

```
"isCaregiver": 1
}'
```

#### *Request*

```
POST /api/auth/register HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 141
Host: localhost:8080
```

```
{
  "name": "John Doe",
  "phone": "+1234567890",
  "email": "john.doe@example.com",
  "username": "userWithNoPassword",
  "isCaregiver": 1
}
```

#### *RequestBody*

```
{
  "name": "John Doe",
  "phone": "+1234567890",
  "email": "john.doe@example.com",
  "username": "userWithNoPassword",
  "isCaregiver": 1
}
```

#### *Response*

```
HTTP/1.1 400 Bad Request
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 39
```

```
{"message":"Invalid or missing fields"}
```

#### *ResponseBody*

```
{"message":"Invalid or missing fields"}
```

*Table 4. ResponseField*

| Path    | Type   | Description                                            |
|---------|--------|--------------------------------------------------------|
| message | String | The error message indicating invalid or missing fields |

## Login User

A **POST** request can be used to authenticate a user and retrieve a token.

### Curl

```
$ curl 'http://localhost:8080/api/auth/login' -i -X POST \
  -H 'Content-Type: application/json; charset=UTF-8' \
  -d '{"username": "user", "password": "asdfasdf"}'
```

### Request

```
POST /api/auth/login HTTP/1.1
Content-Type: application/json; charset=UTF-8
Content-Length: 44
Host: localhost:8080

{"username": "user", "password": "asdfasdf"}
```

### RequestBody

```
{"username": "user", "password": "asdfasdf"}
```

Table 5. RequestField

| Path     | Type   | Description              |
|----------|--------|--------------------------|
| username | String | The username of the user |
| password | String | The password of the user |

### Response

```
HTTP/1.1 200 OK
Authorization:
eyJhbGciOiJIUzUxMiJ9.eyJhdXRob3JpdGllcyI6WyJST0xFX1BFVE9XTkVSI0sInN1YiI6InVzZXIiLCJpYXQiOiJlE3MTkzMTE1MTIsImV4cCI6MTcxOTMyOTUxMn0.op1XKW6KXLOE6wUSa_TNEWtp2P4J6oUbjkTZGltXa2W
Gw39tf2VmL-fV068XqJC2Jun-toc0JY4ZjNl-BUwUCA
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
```



Content-Length: 274

```
{ "userId":3, "username":"user", "password":null, "name":"Jahn Doe", "email":  
"jane.doe@example.com", "phone":"+1234567892", "location":null, "isCaregiver":0,  
"authorities":["ROLE_PETOWNER"], "accountNonExpired":true, "accountNonLocked":true,  
"credentialsNonExpired":true, "enabled":true }
```

### ResponseBody

```
{ "userId":3, "username":"user", "password":null, "name":"Jahn Doe", "email":  
"jane.doe@example.com", "phone":"+1234567892", "location":null, "isCaregiver":0,  
"authorities":["ROLE_PETOWNER"], "accountNonExpired":true, "accountNonLocked":true,  
"credentialsNonExpired":true, "enabled":true }
```

Table 6. ResponseField

| Path                  | Type    | Description                              |
|-----------------------|---------|------------------------------------------|
| username              | String  | The username of the logged-in user       |
| userId                | Number  | The ID of the user                       |
| password              | Null    | The password of the user                 |
| name                  | String  | The name of the user                     |
| email                 | String  | The email address of the user            |
| phone                 | String  | The phone number of the user             |
| location              | Null    | The location of the user                 |
| isCaregiver           | Number  | Indicates if the user is a caregiver     |
| authorities           | Array   | Roles assigned to the user               |
| enabled               | Boolean | Status of the user's account             |
| accountNonExpired     | Boolean | Indicates if the account is expired      |
| accountNonLocked      | Boolean | Indicates if the account is locked       |
| credentialsNonExpired | Boolean | Indicates if the credentials are expired |
| token                 | String  | Authentication token                     |

## Validate Token

A **POST** request to validate a user's authentication token.

## Curl

```
$ curl
'http://localhost:8080/api/auth/validate?token=eyJhbGciOiJIUzUxMiJ9.eyJhdXRob3JpdGllcyI6WyJST0xFX1BFVE9XTkVSIl0sInN1YiI6InVzZXIiLCJpYXQiOjE3MTkzMTE1MTIsImV4cCI6MTcxOTMyOTUxMn0.op1XKW6KXLOE6wUSa_TNEWtp2P4J6oUbjkTZGltXa2WGw39tf2VmL-fV068XqJC2Jun-toc0JY4ZjNl-BUwUCA' -i -X GET \
-H 'Authorization: Bearer
eyJhbGciOiJIUzUxMiJ9.eyJhdXRob3JpdGllcyI6WyJST0xFX1BFVE9XTkVSIl0sInN1YiI6InVzZXIiLCJpYXQiOjE3MTkzMTE1MTIsImV4cCI6MTcxOTMyOTUxMn0.op1XKW6KXLOE6wUSa_TNEWtp2P4J6oUbjkTZGltXa2WGw39tf2VmL-fV068XqJC2Jun-toc0JY4ZjNl-BUwUCA'
```

## Request

```
GET
/api/auth/validate?token=eyJhbGciOiJIUzUxMiJ9.eyJhdXRob3JpdGllcyI6WyJST0xFX1BFVE9XTkVSIl0sInN1YiI6InVzZXIiLCJpYXQiOjE3MTkzMTE1MTIsImV4cCI6MTcxOTMyOTUxMn0.op1XKW6KXLOE6wUSa_TNEWtp2P4J6oUbjkTZGltXa2WGw39tf2VmL-fV068XqJC2Jun-toc0JY4ZjNl-BUwUCA HTTP/1.1
Authorization: Bearer
eyJhbGciOiJIUzUxMiJ9.eyJhdXRob3JpdGllcyI6WyJST0xFX1BFVE9XTkVSIl0sInN1YiI6InVzZXIiLCJpYXQiOjE3MTkzMTE1MTIsImV4cCI6MTcxOTMyOTUxMn0.op1XKW6KXLOE6wUSa_TNEWtp2P4J6oUbjkTZGltXa2WGw39tf2VmL-fV068XqJC2Jun-toc0JY4ZjNl-BUwUCA
Host: localhost:8080
```

## Response

```
HTTP/1.1 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 4

true
```

## ResponseBody

```
true
```

# Update Caregiver Profile

## ResponseField

A **PATCH** request to update the profile of a caregiver.

## Curl

```
$ curl 'http://localhost:8080/api/users/profile?username=caregiver2' -i -X PATCH \
-H 'Content-Type: application/json;charset=UTF-8' \
-d '{
  "latitude": 50.174,
  "longitude": 8.74
}'
```

## Request

```
PATCH /api/users/profile?username=caregiver2 HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 49
Host: localhost:8080

{
  "latitude": 50.174,
  "longitude": 8.74
}
```

## RequestBody

```
{
  "latitude": 50.174,
  "longitude": 8.74
}
```

Table 7. RequestField

| Path      | Type   | Description                           |
|-----------|--------|---------------------------------------|
| latitude  | Number | Latitude of the caregiver's location  |
| longitude | Number | Longitude of the caregiver's location |

## Response

```
HTTP/1.1 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 420
```

```
{
  "userId":2,"username":"caregiver2","password":null,"name":"John Doe","email":
  "john.doe@example.com","phone":"+1234567891","location":{"latitude":50.174,
  "longitude":8.74},"isCaregiver":1,"contracts":null,
  "authorities":["ROLE_PETOWNER","ROLE_CAREGIVER"],"petTypes":[],"rating":0.0,
  "caregiverAvailability":null,"serviceTypes":[],"accountNonExpired":true,
  "accountNonLocked":true,"credentialsNonExpired":true,"enabled":true
}
```

### ResponseBody

```
{
  "userId":2,"username":"caregiver2","password":null,"name":"John Doe","email":
  "john.doe@example.com","phone":"+1234567891","location":{"latitude":50.174,
  "longitude":8.74},"isCaregiver":1,"contracts":null,
  "authorities":["ROLE_PETOWNER","ROLE_CAREGIVER"],"petTypes":[],"rating":0.0,
  "caregiverAvailability":null,"serviceTypes":[],"accountNonExpired":true,
  "accountNonLocked":true,"credentialsNonExpired":true,"enabled":true
}
```

## Set Caregiver Availability

A **POST** request to set the availability of a caregiver.

### Curl

```
$ curl 'http://localhost:8080/api/caregivers/2/availability' -i -X POST \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{
    "frequency": "weekly",
    "daysOfWeek": ["Monday","Tuesday","Wednesday","Thursday","Friday"],
    "startDate": "2024-06-14",
    "endDate": "2024-06-30"
  }'
```

### Request

```
POST /api/caregivers/2/availability HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 153
Host: localhost:8080

{
  "frequency": "weekly",
  "daysOfWeek": ["Monday","Tuesday","Wednesday","Thursday","Friday"],
  "startDate": "2024-06-14",
  "endDate": "2024-06-30"
}
```

## RequestBody

```
{
  "frequency": "weekly",
  "daysOfWeek": ["Monday", "Tuesday", "Wednesday", "Thursday", "Friday"],
  "startDate": "2024-06-14",
  "endDate": "2024-06-30"
}
```

Table 8. RequestField

| Path       | Type   | Description                |
|------------|--------|----------------------------|
| frequency  | String | Frequency of availability  |
| daysOfWeek | Array  | Days of the week available |
| startDate  | String | Start date of availability |
| endDate    | String | End date of availability   |

## Response

```
HTTP/1.1 201 Created
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 194

{
  "availablilityId":2,"frequency":"weekly",
  "daysOfWeek":["Monday","Tuesday","Wednesday","Thursday","Friday"],
  "interval":null,"startDate":"2024-06-14","endDate":"2024-06-30",
  "bookedDateRanges":[]
}
```

## ResponseBody

```
{
  "availablilityId":2,"frequency":"weekly",
  "daysOfWeek":["Monday","Tuesday","Wednesday","Thursday","Friday"],
  "interval":null,"startDate":"2024-06-14","endDate":"2024-06-30",
  "bookedDateRanges":[]
}
```

# Update Caregiver Pet Types

A **PATCH** request to update the pet types a caregiver can handle.

## Curl

```
$ curl 'http://localhost:8080/api/caregivers/2/pet-types' -i -X PATCH \  
  -H 'Content-Type: application/json;charset=UTF-8' \  
  -d '["DOG","CAT","GUINEA_PIG"]'
```

## Request

```
PATCH /api/caregivers/2/pet-types HTTP/1.1  
Content-Type: application/json;charset=UTF-8  
Content-Length: 26  
Host: localhost:8080  
  
["DOG","CAT","GUINEA_PIG"]
```

## RequestBody

```
["DOG","CAT","GUINEA_PIG"]
```

## Response

```
HTTP/1.1 200 OK  
Content-Type: application/json  
X-Content-Type-Options: nosniff  
X-XSS-Protection: 0  
Cache-Control: no-cache, no-store, max-age=0, must-revalidate  
Pragma: no-cache  
Expires: 0  
X-Frame-Options: DENY  
Content-Length: 634  
  
{  
  "userId":2,"username":"caregiver2","password":null,"name":"John Doe","email":  
  "john.doe@example.com","phone":"+1234567891","location":{"latitude":50.174,  
  "longitude":8.74},"isCaregiver":1,"contracts":null,  
  "authorities":["ROLE_PETOWNER","ROLE_CAREGIVER"],"petTypes":["DOG","CAT","GUINEA_PIG"]  
  "rating":0.0,"caregiverAvailability":{"availabitlityId":2,"frequency":"weekly",  
  "daysOfWeek":["Monday","Tuesday","Wednesday","Thursday","Friday"],"interval":null,  
  "startDate":"2024-06-14","endDate":"2024-06-30","bookedDateRanges":[]},  
  "serviceTypes":[],"accountNonExpired":true,"accountNonLocked":true,  
  "credentialsNonExpired":true,"enabled":true}
```

## ResponseBody

```
{  
  "userId":2,"username":"caregiver2","password":null,"name":"John Doe","email":
```

```
"john.doe@example.com", "phone":"+1234567891", "location":{"latitude":50.174,
"longitude":8.74}, "isCaregiver":1, "contracts":null,
"authorities":["ROLE_PETOWNER", "ROLE_CAREGIVER"], "petTypes":["DOG", "CAT", "GUINEA_PIG"]
"rating":0.0, "caregiverAvailability":{"availabilityId":2, "frequency":"weekly",
"daysOfWeek":["Monday", "Tuesday", "Wednesday", "Thursday", "Friday"], "interval":null,
"startDate":"2024-06-14", "endDate":"2024-06-30", "bookedDateRanges":[]},
"serviceTypes":[], "accountNonExpired":true, "accountNonLocked":true,
"credentialsNonExpired":true, "enabled":true}
```

## Update Caregiver Service Types

A **PATCH** request to update the service types a caregiver can provide.

### Curl

```
$ curl 'http://localhost:8080/api/caregivers/2/service-types' -i -X PATCH \
-H 'Content-Type: application/json;charset=UTF-8' \
-d '["PET_HOSTING"]'
```

### Request

```
PATCH /api/caregivers/2/service-types HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 15
Host: localhost:8080

["PET_HOSTING"]
```

### RequestBody

```
["PET_HOSTING"]
```

### Response

```
HTTP/1.1 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 647

{"userId":2,"username":"caregiver2","password":null,"name":"John Doe","email":
"john.doe@example.com", "phone":"+1234567891", "location":{"latitude":50.174,
"longitude":8.74}, "isCaregiver":1, "contracts":null,
"authorities":["ROLE_PETOWNER", "ROLE_CAREGIVER"], "petTypes":["DOG", "CAT", "GUINEA_PIG"]
```

```
"rating":0.0,"caregiverAvailability":{"availabitlityId":2,"frequency":"weekly",
"daysOfWeek":["Monday","Tuesday","Wednesday","Thursday","Friday"],"interval":null,
"startDate":"2024-06-14","endDate":"2024-06-30","bookedDateRanges":[]},
"serviceTypes":["PET_HOSTING"],"accountNonExpired":true,"accountNonLocked":true,
"credentialsNonExpired":true,"enabled":true}
```

### ResponseBody

```
{"userId":2,"username":"caregiver2","password":null,"name":"John Doe","email":
"john.doe@example.com","phone":"+1234567891","location":{"latitude":50.174,
"longitude":8.74},"isCaregiver":1,"contracts":null,
"authorities":["ROLE_PETOWNER","ROLE_CAREGIVER"],"petTypes":["DOG","CAT","GUINEA_PIG"]
"rating":0.0,"caregiverAvailability":{"availabitlityId":2,"frequency":"weekly",
"daysOfWeek":["Monday","Tuesday","Wednesday","Thursday","Friday"],"interval":null,
"startDate":"2024-06-14","endDate":"2024-06-30","bookedDateRanges":[]},
"serviceTypes":["PET_HOSTING"],"accountNonExpired":true,"accountNonLocked":true,
"credentialsNonExpired":true,"enabled":true}
```

## Search Caregivers

A **GET** request to search for caregivers based on specified criteria.

### Curl

```
$ curl 'http://localhost:8080/api/caregivers/search?petTypes=DOG,CAT&startDate=2024-
06-15&endDate=2024-06-
20&longitude=8.7423401&latitude=50.1863407&serviceType=PET_HOSTING' -i -X GET
```

### Request

```
GET /api/caregivers/search?petTypes=DOG,CAT&startDate=2024-06-15&endDate=2024-06-
20&longitude=8.7423401&latitude=50.1863407&serviceType=PET_HOSTING HTTP/1.1
Host: localhost:8080
```

### Response

```
HTTP/1.1 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 1311

[
{"userId":1,"username":"caregiver1","password":null,"name":"John Doe","email":
```



```

"john.doe@example.com", "phone": "+1234567890", "location": {"latitude": 50.174,
"longitude": 8.74}, "isCaregiver": 1, "contracts": null,
"authorities": ["ROLE_PETOWNER", "ROLE_CAREGIVER"],
"petTypes": ["DOG", "CAT", "GUINEA_PIG"], "rating": 0.0,
"caregiverAvailability": {"availabilityId": 1, "frequency": "weekly",
"daysOfWeek": ["Monday", "Tuesday", "Wednesday", "Thursday", "Friday"], "interval": null,
"startDate": "2024-06-01", "endDate": "2024-06-30", "bookedDateRanges": []},
"serviceTypes": ["PET_SITTING", "PET_HOSTING"], "accountNonExpired": true,
"accountNonLocked": true, "credentialsNonExpired": true, "enabled": true},

{"userId": 2, "username": "caregiver2", "password": null, "name": "John Doe", "email":
"john.doe@example.com", "phone": "+1234567891", "location": {"latitude": 50.174,
"longitude": 8.74}, "isCaregiver": 1, "contracts": null,
"authorities": ["ROLE_PETOWNER", "ROLE_CAREGIVER"], "petTypes": ["DOG", "CAT", "GUINEA_PIG"]
"rating": 0.0, "caregiverAvailability": {"availabilityId": 2, "frequency": "weekly",
"daysOfWeek": ["Monday", "Tuesday", "Wednesday", "Thursday", "Friday"], "interval": null,
"startDate": "2024-06-14", "endDate": "2024-06-30", "bookedDateRanges": []},
"serviceTypes": ["PET_HOSTING"], "accountNonExpired": true, "accountNonLocked": true,
"credentialsNonExpired": true, "enabled": true}
]

```

### ResponseBody

```

[
{"userId": 1, "username": "caregiver1", "password": null, "name": "John Doe", "email":
"john.doe@example.com", "phone": "+1234567890", "location": {"latitude": 50.174,
"longitude": 8.74}, "isCaregiver": 1, "contracts": null,
"authorities": ["ROLE_PETOWNER", "ROLE_CAREGIVER"],
"petTypes": ["DOG", "CAT", "GUINEA_PIG"], "rating": 0.0,
"caregiverAvailability": {"availabilityId": 1, "frequency": "weekly",
"daysOfWeek": ["Monday", "Tuesday", "Wednesday", "Thursday", "Friday"], "interval": null,
"startDate": "2024-06-01", "endDate": "2024-06-30", "bookedDateRanges": []},
"serviceTypes": ["PET_SITTING", "PET_HOSTING"], "accountNonExpired": true,
"accountNonLocked": true, "credentialsNonExpired": true, "enabled": true},

{"userId": 2, "username": "caregiver2", "password": null, "name": "John Doe", "email":
"john.doe@example.com", "phone": "+1234567891", "location": {"latitude": 50.174,
"longitude": 8.74}, "isCaregiver": 1, "contracts": null,
"authorities": ["ROLE_PETOWNER", "ROLE_CAREGIVER"], "petTypes": ["DOG", "CAT", "GUINEA_PIG"]
"rating": 0.0, "caregiverAvailability": {"availabilityId": 2, "frequency": "weekly",
"daysOfWeek": ["Monday", "Tuesday", "Wednesday", "Thursday", "Friday"], "interval": null,
"startDate": "2024-06-14", "endDate": "2024-06-30", "bookedDateRanges": []},
"serviceTypes": ["PET_HOSTING"], "accountNonExpired": true, "accountNonLocked": true,
"credentialsNonExpired": true, "enabled": true}
]

```

# Get User Profile

A **GET** request to retrieve the profile of a user.

## Curl

```
$ curl 'http://localhost:8080/api/users/profile/user' -i -X GET
```

## Request

```
GET /api/users/profile/user HTTP/1.1
Host: localhost:8080
```

## Response

```
HTTP/1.1 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 274

{"userId":3,"username":"user","password":null,"name":"Jahn Doe","email":
"jane.doe@example.com","phone":"+1234567892","location":null,
"isCaregiver":0,"authorities":["ROLE_PETOWNER"],"accountNonExpired":true,
"accountNonLocked":true,"credentialsNonExpired":true,"enabled":true}
```

## ResponseBody

```
{"userId":3,"username":"user","password":null,"name":"Jahn Doe","email":
"jane.doe@example.com","phone":"+1234567892","location":null,
"isCaregiver":0,"authorities":["ROLE_PETOWNER"],"accountNonExpired":true,
"accountNonLocked":true,"credentialsNonExpired":true,"enabled":true}
```

# Get User Pets - Empty

A **GET** request to retrieve the pets of a user when the user has no pets.

## Curl

```
$ curl 'http://localhost:8080/api/users/user/pets' -i -X GET
```

### Request

```
GET /api/users/user/pets HTTP/1.1
Host: localhost:8080
```

### Response

```
HTTP/1.1 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 2

[]
```

### ResponseBody

```
[]
```

Table 9. `/api/users/{username}/pets`

| Parameter             | Description              |
|-----------------------|--------------------------|
| <code>username</code> | The username of the user |

## Register Pet

A **POST** request to register a new pet for a user.

### Curl

```
$ curl 'http://localhost:8080/api/pets/register' -i -X POST \
  -H 'Content-Type: application/json; charset=UTF-8' \
  -d '{
    "petType": "CAT",
    "petName": "Whiskers",
    "petAge": 5,
    "petowner_id": 3
  }'
```

### Request

```
POST /api/pets/register HTTP/1.1
Content-Type: application/json; charset=UTF-8
Content-Length: 90
```

Host: localhost:8080

```
{
  "petType": "CAT",
  "petName": "Whiskers",
  "petAge": 5,
  "petowner_id": 3
}
```

#### *RequestBody*

```
{
  "petType": "CAT",
  "petName": "Whiskers",
  "petAge": 5,
  "petowner_id": 3
}
```

*Table 10. RequestField*

| Path        | Type   | Description             |
|-------------|--------|-------------------------|
| petType     | String | The type of the pet     |
| petName     | String | The name of the pet     |
| petAge      | Number | The age of the pet      |
| petowner_id | Number | The ID of the pet owner |

#### *Response*

```
HTTP/1.1 201 Created
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 25

{"message":"Pet's id: 3"}
```

#### *ResponseBody*

```
{"message":"Pet's id: 3"}
```

# Update Pet

## *ResponseField*

A **PATCH** request to update the details of a pet.

## *Curl*

```
$ curl 'http://localhost:8080/api/pets/1' -i -X PATCH \  
  -H 'Content-Type: application/json;charset=UTF-8' \  
  -d '{  
    "petType": "GUINEA_PIG",  
    "petName": "Shiba_Inu",  
    "petAge": 1  
  }'
```

## *Request*

```
PATCH /api/pets/1 HTTP/1.1  
Content-Type: application/json;charset=UTF-8  
Content-Length: 76  
Host: localhost:8080  
  
{  
  "petType": "GUINEA_PIG",  
  "petName": "Shiba_Inu",  
  "petAge": 1  
}
```

## *RequestBody*

```
{  
  "petType": "GUINEA_PIG",  
  "petName": "Shiba_Inu",  
  "petAge": 1  
}
```

## *Response*

```
HTTP/1.1 200 OK  
Content-Type: application/json  
X-Content-Type-Options: nosniff  
X-XSS-Protection: 0  
Cache-Control: no-cache, no-store, max-age=0, must-revalidate  
Pragma: no-cache  
Expires: 0  
X-Frame-Options: DENY  
Content-Length: 67  
  
{
```

```
"petId":1,  
"petType":"GUINEA_PIG",  
"petName":"Shiba_Inu",  
"petAge":1  
}
```

#### *ResponseBody*

```
{  
  "petId":1,  
  "petType":"GUINEA_PIG",  
  "petName":"Shiba_Inu",  
  "petAge":1  
}
```

## Delete Pet

A **DELETE** request to remove a pet from the system.

#### *Curl*

```
$ curl 'http://localhost:8080/api/users/user/pets' -i -X GET
```

#### *Request*

```
GET /api/users/user/pets HTTP/1.1  
Host: localhost:8080
```

#### *Response*

```
HTTP/1.1 200 OK  
Content-Type: application/json  
X-Content-Type-Options: nosniff  
X-XSS-Protection: 0  
Cache-Control: no-cache, no-store, max-age=0, must-revalidate  
Pragma: no-cache  
Expires: 0  
X-Frame-Options: DENY  
Content-Length: 126  
  
[  
  {"petId":2,"petType":"DOG","petName":"Buddy","petAge":3},  
  {"petId":1,"petType":"GUINEA_PIG","petName":"Shiba_Inu","petAge":1}  
]
```

### ResponseBody

```
[
  {"petId":2,"petType":"DOG","petName":"Buddy","petAge":3},
  {"petId":1,"petType":"GUINEA_PIG","petName":"Shiba_Inu","petAge":1}
]
```

## Create Contract

A **POST** request to create a new contract between a pet owner and a caregiver.

### Curl

```
$ curl 'http://localhost:8080/api/contracts/create?petOwnerId=3&caregiverId=1' -i -X
POST \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{
    "petIds": [1, 2],
    "serviceType": "PET_SITTING",
    "startDate": "2024-06-17",
    "endDate": "2024-06-18"
  }'
```

### Request

```
POST /api/contracts/create?petOwnerId=3&caregiverId=1 HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 118
Host: localhost:8080

{
  "petIds": [1, 2],
  "serviceType": "PET_SITTING",
  "startDate": "2024-06-17",
  "endDate": "2024-06-18"
}
```

### RequestBody

```
{
  "petIds": [1, 2],
  "serviceType": "PET_SITTING",
  "startDate": "2024-06-17",
  "endDate": "2024-06-18"
}
```

Table 11. RequestField

| Path        | Type   | Description                              |
|-------------|--------|------------------------------------------|
| petIds      | Array  | List of pet IDs involved in the contract |
| serviceType | String | Type of service provided                 |
| startDate   | String | Start date of the service                |
| endDate     | String | End date of the service                  |

### Response

```

HTTP/1.1 201 Created
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 372

{
  "contractId":1,
  "contractPets":[
    {"id":{"contractId":1,"petId":1},"pet":{"petId":1,"petType":"GUINEA_PIG",
      "petName":"Shiba_Inu","petAge":1}},
    {"id":{"contractId":1,"petId":2},"pet":{"petId":2,"petType":"DOG",
      "petName":"Buddy","petAge":3}}],

  "startDate":"2024-06-17","endDate":"2024-06-18","price":0.0,
  "status":"CREATED","serviceType":"PET_SITTING","petReturnConfirmed":false
}
```

### ResponseBody

```

{
  "contractId":1,
  "contractPets":[
    {"id":{"contractId":1,"petId":1},"pet":{"petId":1,"petType":"GUINEA_PIG",
      "petName":"Shiba_Inu","petAge":1}},
    {"id":{"contractId":1,"petId":2},"pet":{"petId":2,"petType":"DOG",
      "petName":"Buddy","petAge":3}}],

  "startDate":"2024-06-17","endDate":"2024-06-18","price":0.0,
  "status":"CREATED","serviceType":"PET_SITTING","petReturnConfirmed":false
}
```



# Accept Contract

## ResponseField

A **PATCH** request to accept an existing contract.

## Curl

```
$ curl 'http://localhost:8080/api/caregivers/1/availability' -i -X GET
```

## Request

```
GET /api/caregivers/1/availability HTTP/1.1
Host: localhost:8080
```

## Response

```
HTTP/1.1 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 250

{
  "availabitlityId":1,"frequency":"weekly",
  "daysOfWeek":["Monday","Tuesday","Wednesday","Thursday","Friday"],
  "interval":null,"startDate":"2024-06-01","endDate":"2024-06-30",
  "bookedDateRanges":[{"id":1,"startDate":"2024-06-17","endDate":"2024-06-18"}]
}
```

## ResponseBody

```
{
  "availabitlityId":1,"frequency":"weekly",
  "daysOfWeek":["Monday","Tuesday","Wednesday","Thursday","Friday"],
  "interval":null,"startDate":"2024-06-01","endDate":"2024-06-30",
  "bookedDateRanges":[{"id":1,"startDate":"2024-06-17","endDate":"2024-06-18"}]
}
```

# Complete Contract

## ResponseField

A **PATCH** request to mark a contract as completed.

## Curl

```
$ curl 'http://localhost:8080/api/contracts/1/return' -i -X PATCH
```

## Request

```
PATCH /api/contracts/1/return HTTP/1.1
Host: localhost:8080
```

## Response

```
HTTP/1.1 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 377

{
  "contractId":1,
  "contractPets":[
    {"id":{"contractId":1,"petId":2},"pet":{"petId":2,"petType":"DOG",
      "petName":"Buddy","petAge":3}},
    {"id":{"contractId":1,"petId":1},"pet":{"petId":1,"petType":"GUINEA_PIG",
      "petName":"Shiba_Inu","petAge":1}}],

  "startDate":"2024-06-17","endDate":"2024-06-18","price":0.0,
  "status":"PET_RETURNED","serviceType":"PET_SITTING","petReturnConfirmed":false
}
```

## ResponseBody

```
{
  "contractId":1,
  "contractPets":[
    {"id":{"contractId":1,"petId":2},"pet":{"petId":2,"petType":"DOG",
      "petName":"Buddy","petAge":3}},
    {"id":{"contractId":1,"petId":1},"pet":{"petId":1,"petType":"GUINEA_PIG",
      "petName":"Shiba_Inu","petAge":1}}],

  "startDate":"2024-06-17","endDate":"2024-06-18","price":0.0,
  "status":"PET_RETURNED","serviceType":"PET_SITTING","petReturnConfirmed":false
}
```

# Confirm Pet Return

## ResponseField

A **PATCH** request to confirm the return of a pet under a contract.

## Curl

```
$ curl 'http://localhost:8080/api/contracts/1/confirm-return' -i -X PATCH
```

## Request

```
PATCH /api/contracts/1/confirm-return HTTP/1.1
Host: localhost:8080
```

## Response

```
HTTP/1.1 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 368

{
  "contractId":1,
  "contractPets":[
    {"id":{"contractId":1,"petId":2},"pet":{"petId":2,"petType":"DOG",
      "petName":"Buddy","petAge":3}},
    {"id":{"contractId":1,"petId":1},"pet":{"petId":1,"petType":"GUINEA_PIG",
      "petName":"Shiba_Inu","petAge":1}}],

  "startDate":"2024-06-17","endDate":"2024-06-18","price":0.0,
  "status":"DONE","serviceType":"PET_SITTING","petReturnConfirmed":true
}
```

## ResponseBody

```
{
  "contractId":1,
  "contractPets":[
    {"id":{"contractId":1,"petId":2},"pet":{"petId":2,"petType":"DOG",
      "petName":"Buddy","petAge":3}},
    {"id":{"contractId":1,"petId":1},"pet":{"petId":1,"petType":"GUINEA_PIG",
      "petName":"Shiba_Inu","petAge":1}}],

  "startDate":"2024-06-17","endDate":"2024-06-18","price":0.0,
```

```
}      "status":"DONE","serviceType":"PET_SITTING","petReturnConfirmed":true
```

## Create Contract with Missing Parameters

### *ResponseField*

A **POST** request to create a contract that fails due to missing required parameters.

### *Curl*

```
$ curl 'http://localhost:8080/api/contracts/create?caregiverId=1&petOwnerId=3' -i -X POST \
-H 'Content-Type: application/json;charset=UTF-8' \
-d '{
  "petIds": [1, 2],
  "serviceType": "PET_SITTING"
}'
```

### *Request*

```
POST /api/contracts/create?caregiverId=1&petOwnerId=3 HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 58
Host: localhost:8080

{
  "petIds": [1, 2],
  "serviceType": "PET_SITTING"
}
```

### *RequestBody*

```
{
  "petIds": [1, 2],
  "serviceType": "PET_SITTING"
}
```

### *Response*

```
HTTP/1.1 400 Bad Request
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 45
```

```
{"message":"Required parameters are missing"}
```

#### ResponseBody

```
{"message":"Required parameters are missing"}
```

Table 12. ResponseField

| Path    | Type   | Description                                   |
|---------|--------|-----------------------------------------------|
| message | String | Error message for missing required parameters |

## Reject Contract

A **PATCH** request to reject a contract.

#### Curl

```
$ curl 'http://localhost:8080/api/contracts/2/reject' -i -X PATCH \  
-d 'caregiverId=1'
```

#### Request

```
PATCH /api/contracts/2/reject HTTP/1.1  
Content-Type: application/x-www-form-urlencoded  
Host: localhost:8080  
Content-Length: 13  
  
caregiverId=1
```

#### Response

```
HTTP/1.1 200 OK  
Content-Type: application/json  
X-Content-Type-Options: nosniff  
X-XSS-Protection: 0  
Cache-Control: no-cache, no-store, max-age=0, must-revalidate  
Pragma: no-cache  
Expires: 0  
X-Frame-Options: DENY  
Content-Length: 373  
  
{  
  "contractId":2,  
  "contractPets":[  
    {"id":{"contractId":2,"petId":2},"pet":{"petId":2,"petType":"DOG",  
      "petName":"Buddy","petAge":3}},  
  ]  
}
```

```

{"id":{"contractId":2,"petId":1},"pet":{"petId":1,"petType":"GUINEA_PIG",
"petName":"Shiba_Inu","petAge":1}},

"startDate":"2024-06-10","endDate":"2024-06-11","price":0.0,
"status":"REJECTED","serviceType":"PET_SITTING","petReturnConfirmed":false
}

```

#### ResponseBody

```

{
  "contractId":2,
  "contractPets":[
    {"id":{"contractId":2,"petId":2},"pet":{"petId":2,"petType":"DOG",
    "petName":"Buddy","petAge":3}},
    {"id":{"contractId":2,"petId":1},"pet":{"petId":1,"petType":"GUINEA_PIG",
    "petName":"Shiba_Inu","petAge":1}},

    "startDate":"2024-06-10","endDate":"2024-06-11","price":0.0,
    "status":"REJECTED","serviceType":"PET_SITTING","petReturnConfirmed":false
  }
}

```

## Send Message

#### ResponseField

A **POST** request to send a message between users.

#### Curl

```

$ curl 'http://localhost:8080/api/chat/send' -i -X POST \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{
    "senderId": 1,
    "receiverId": 2,
    "message": "Another message to receiver 2"
  }'

```

#### Request

```

POST /api/chat/send HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 90
Host: localhost:8080

{
  "senderId": 1,
  "receiverId": 2,
  "message": "Another message to receiver 2"
}

```

### *RequestBody*

```
{
  "senderId": 1,
  "receiverId": 2,
  "message": "Another message to receiver 2"
}
```

### *Response*

```
HTTP/1.1 200 OK
Content-Type: text/plain;charset=UTF-8
Content-Length: 28
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY

Message sent successfully: 3
```

### *ResponseBody*

```
Message sent successfully: 3
```

## Get Messages

### *ResponseField*

A **GET** request to retrieve messages between users.

### *Curl*

```
$ curl 'http://localhost:8080/api/chat/messages?senderId=1&receiverId=3' -i -X GET
```

### *Request*

```
GET /api/chat/messages?senderId=1&receiverId=3 HTTP/1.1
Host: localhost:8080
```

### *Response*

```
HTTP/1.1 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
```

Pragma: no-cache  
Expires: 0  
X-Frame-Options: DENY  
Content-Length: 1055

```
[{
  "id":2,
  "sender":{"userId":1,"username":"caregiver1","password":null,"name":"John
Doe","email":"john.doe@example.com","phone":"+1234567890","location":{"latitude":50.17
4,"longitude":8.74},"isCaregiver":1,"contracts":null,"authorities":["ROLE_PETOWNER","R
OLE_CAREGIVER"],"petTypes":["DOG","CAT","GUINEA_PIG"],"rating":0.0,"caregiverAvailabil
ity":{"availabitlityId":1,"frequency":"weekly","daysOfWeek":["Monday","Tuesday","Wedne
sday","Thursday","Friday"],"interval":null,"startDate":"2024-06-01","endDate":"2024-
06-30","bookedDateRanges":[{"id":1,"startDate":"2024-06-17","endDate":"2024-06-
18"}]},"serviceTypes":["PET_SITTING","PET_HOSTING"],"accountNonExpired":true,"accountN
onLocked":true,"credentialsNonExpired":true,"enabled":true},

  "receiver":{"userId":3,"username":"user","password":null,"name":"Jahn
Doe","email":"jane.doe@example.com","phone":"+1234567892","location":null,"isCaregiver
":0,"authorities":["ROLE_PETOWNER"],"accountNonExpired":true,"accountNonLocked":true,"
credentialsNonExpired":true,"enabled":true},

  "message":"Hello to receiver 3"
}]
```

#### *ResponseBody*

```
[{
  "id":2,
  "sender":{"userId":1,"username":"caregiver1","password":null,"name":"John
Doe","email":"john.doe@example.com","phone":"+1234567890","location":{"latitude":50.17
4,"longitude":8.74},"isCaregiver":1,"contracts":null,"authorities":["ROLE_PETOWNER","R
OLE_CAREGIVER"],"petTypes":["DOG","CAT","GUINEA_PIG"],"rating":0.0,"caregiverAvailabil
ity":{"availabitlityId":1,"frequency":"weekly","daysOfWeek":["Monday","Tuesday","Wedne
sday","Thursday","Friday"],"interval":null,"startDate":"2024-06-01","endDate":"2024-
06-30","bookedDateRanges":[{"id":1,"startDate":"2024-06-17","endDate":"2024-06-
18"}]},"serviceTypes":["PET_SITTING","PET_HOSTING"],"accountNonExpired":true,"accountN
onLocked":true,"credentialsNonExpired":true,"enabled":true},

  "receiver":{"userId":3,"username":"user","password":null,"name":"Jahn
Doe","email":"jane.doe@example.com","phone":"+1234567892","location":null,"isCaregiver
":0,"authorities":["ROLE_PETOWNER"],"accountNonExpired":true,"accountNonLocked":true,"
credentialsNonExpired":true,"enabled":true},

  "message":"Hello to receiver 3"
}]
```



# Get Messages Between Users

## ResponseField

A **GET** request to retrieve messages exchanged between two users.

## Curl

```
$ curl 'http://localhost:8080/api/chat/messages/between?user1Id=1&user2Id=2' -i -X GET
```

## Request

```
GET /api/chat/messages/between?user1Id=1&user2Id=2 HTTP/1.1
Host: localhost:8080
```

## Response

```
HTTP/1.1 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 4284

[
  {
    "id":1,
    "sender":{"userId":1,"username":"caregiver1","password":null,"name":"John Doe","email":"john.doe@example.com","phone":"+1234567890","location":{"latitude":50.174,"longitude":8.74},"isCaregiver":1,"contracts":null,"authorities":["ROLE_PETOWNER","ROLE_CAREGIVER"],"petTypes":["DOG","CAT","GUINEA_PIG"],"rating":0.0,"caregiverAvailability":{"availabilityId":1,"frequency":"weekly","daysOfWeek":["Monday","Tuesday","Wednesday","Thursday","Friday"],"interval":null,"startDate":"2024-06-01","endDate":"2024-06-30","bookedDateRanges":[{"id":1,"startDate":"2024-06-17","endDate":"2024-06-18"}]},"serviceTypes":["PET_SITTING","PET_HOSTING"],"accountNonExpired":true,"accountNonLocked":true,"credentialsNonExpired":true,"enabled":true},
    "receiver":{"userId":2,"username":"caregiver2","password":null,"name":"John Doe","email":"john.doe@example.com","phone":"+1234567891","location":{"latitude":50.174,"longitude":8.74},"isCaregiver":1,"contracts":null,"authorities":["ROLE_PETOWNER","ROLE_CAREGIVER"],"petTypes":["DOG","CAT","GUINEA_PIG"],"rating":0.0,"caregiverAvailability":{"availabilityId":2,"frequency":"weekly","daysOfWeek":["Monday","Tuesday","Wednesday","Thursday","Friday"],"interval":null,"startDate":"2024-06-14","endDate":"2024-06-30","bookedDateRanges":[]},"serviceTypes":["PET_HOSTING"],"accountNonExpired":true,"accountNonLocked":true,"credentialsNonExpired":true,"enabled":true},
```

```

    "message": "Hello to receiver 2"},

    {
        "id": 3,
        "sender": {
            "userId": 1, "username": "caregiver1", "password": null, "name": "John Doe", "email": "john.doe@example.com", "phone": "+1234567890", "location": {
                "latitude": 50.174, "longitude": 8.74}, "isCaregiver": 1, "contracts": null, "authorities": ["ROLE_PETOWNER", "ROLE_CAREGIVER"], "petTypes": ["DOG", "CAT", "GUINEA_PIG"], "rating": 0.0, "caregiverAvailability": {
                "availabilityId": 1, "frequency": "weekly", "daysOfWeek": ["Monday", "Tuesday", "Wednesday", "Thursday", "Friday"], "interval": null, "startDate": "2024-06-01", "endDate": "2024-06-30", "bookedDateRanges": [{
                    "id": 1, "startDate": "2024-06-17", "endDate": "2024-06-18"}]}, "serviceTypes": ["PET_SITTING", "PET_HOSTING"], "accountNonExpired": true, "accountNonLocked": true, "credentialsNonExpired": true, "enabled": true},

            "receiver": {
                "userId": 2, "username": "caregiver2", "password": null, "name": "John Doe", "email": "john.doe@example.com", "phone": "+1234567891", "location": {
                    "latitude": 50.174, "longitude": 8.74}, "isCaregiver": 1, "contracts": null, "authorities": ["ROLE_PETOWNER", "ROLE_CAREGIVER"], "petTypes": ["DOG", "CAT", "GUINEA_PIG"], "rating": 0.0, "caregiverAvailability": {
                    "availabilityId": 2, "frequency": "weekly", "daysOfWeek": ["Monday", "Tuesday", "Wednesday", "Thursday", "Friday"], "interval": null, "startDate": "2024-06-14", "endDate": "2024-06-30", "bookedDateRanges": []}, "serviceTypes": ["PET_HOSTING"], "accountNonExpired": true, "accountNonLocked": true, "credentialsNonExpired": true, "enabled": true},

                "message": "Another message to receiver 2"},

            {
                "id": 4,
                "sender": {
                    "userId": 2, "username": "caregiver2", "password": null, "name": "John Doe", "email": "john.doe@example.com", "phone": "+1234567891", "location": {
                        "latitude": 50.174, "longitude": 8.74}, "isCaregiver": 1, "contracts": null, "authorities": ["ROLE_PETOWNER", "ROLE_CAREGIVER"], "petTypes": ["DOG", "CAT", "GUINEA_PIG"], "rating": 0.0, "caregiverAvailability": {
                            "availabilityId": 2, "frequency": "weekly", "daysOfWeek": ["Monday", "Tuesday", "Wednesday", "Thursday", "Friday"], "interval": null, "startDate": "2024-06-14", "endDate": "2024-06-30", "bookedDateRanges": []}, "serviceTypes": ["PET_HOSTING"], "accountNonExpired": true, "accountNonLocked": true, "credentialsNonExpired": true, "enabled": true},

                    "receiver": {
                        "userId": 1, "username": "caregiver1", "password": null, "name": "John Doe", "email": "john.doe@example.com", "phone": "+1234567890", "location": {
                            "latitude": 50.174, "longitude": 8.74}, "isCaregiver": 1, "contracts": null, "authorities": ["ROLE_PETOWNER", "ROLE_CAREGIVER"], "petTypes": ["DOG", "CAT", "GUINEA_PIG"], "rating": 0.0, "caregiverAvailability": {
                                "availabilityId": 1, "frequency": "weekly", "daysOfWeek": ["Monday", "Tuesday", "Wednesday", "Thursday", "Friday"], "interval": null, "startDate": "2024-06-01", "endDate": "2024-06-30", "bookedDateRanges": [{
                                    "id": 1, "startDate": "2024-06-17", "endDate": "2024-06-18"}]}, "serviceTypes": ["PET_SITTING", "PET_HOSTING"], "accountNonExpired": true, "accountNonLocked": true, "credentialsNonExpired": true, "enabled": true},

                        "message": "From 2 to 1"}

            ]

```

# Get Contacts

A **GET** request to retrieve the contacts of a user.

## Curl

```
$ curl 'http://localhost:8080/api/chat/contacts/1' -i -X GET
```

## Request

```
GET /api/chat/contacts/1 HTTP/1.1
Host: localhost:8080
```

Table 13. /api/chat/contacts/{senderId}

| Parameter | Description                                           |
|-----------|-------------------------------------------------------|
| senderId  | The ID of the user whose contacts are being retrieved |

## Response

```
HTTP/1.1 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 924

[
  {
    "userId":2,"username":"caregiver2","password":null,"name":"John Doe","email":"john.doe@example.com","phone":"+1234567891","location":{"latitude":50.174,"longitude":8.74},"isCaregiver":1,"contracts":null,"authorities":["ROLE_PETOWNER","ROLE_CAREGIVER"],"petTypes":["DOG","CAT","GUINEA_PIG"],"rating":0.0,"caregiverAvailability":{"availabitlityId":2,"frequency":"weekly","daysOfWeek":["Monday","Tuesday","Wednesday","Thursday","Friday"],"interval":null,"startDate":"2024-06-14","endDate":"2024-06-30","bookedDateRanges":[]},"serviceTypes":["PET_HOSTING"],"accountNonExpired":true,"accountNonLocked":true,"credentialsNonExpired":true,"enabled":true},
  {
    "userId":3,"username":"user","password":null,"name":"Jahn Doe","email":"jane.doe@example.com","phone":"+1234567892","location":null,"isCaregiver":0,"authorities":["ROLE_PETOWNER"],"accountNonExpired":true,"accountNonLocked":true,"credentialsNonExpired":true,"enabled":true}
]
```

## ResponseBody

```
[
  {
    "userId": 2, "username": "caregiver2", "password": null, "name": "John Doe", "email": "john.doe@example.com", "phone": "+1234567891", "location": {
      "latitude": 50.174, "longitude": 8.74
    }, "isCaregiver": 1, "contracts": null, "authorities": [
      "ROLE_PETOWNER", "ROLE_CAREGIVER"
    ], "petTypes": [
      "DOG", "CAT", "GUINEA_PIG"
    ], "rating": 0.0, "caregiverAvailability": {
      "availabilityId": 2, "frequency": "weekly", "daysOfWeek": [
        "Monday", "Tuesday", "Wednesday", "Thursday", "Friday"
      ], "interval": null, "startDate": "2024-06-14", "endDate": "2024-06-30", "bookedDateRanges": [], "serviceTypes": [
        "PET_HOSTING"
      ], "accountNonExpired": true, "accountNonLocked": true, "credentialsNonExpired": true, "enabled": true
    },
    {
      "userId": 3, "username": "user", "password": null, "name": "Jahn Doe", "email": "jane.doe@example.com", "phone": "+1234567892", "location": null, "isCaregiver": 0, "authorities": [
        "ROLE_PETOWNER"
      ], "accountNonExpired": true, "accountNonLocked": true, "credentialsNonExpired": true, "enabled": true
    }
  ]
}
```

## Upload Pet Main Avatar

### ResponseField

A **POST** request to upload the main avatar for a pet.

### Curl

```
$ curl 'http://localhost:8080/api/pets/1/avatar' -i -X POST \
  -H 'Content-Type: multipart/form-data; charset=UTF-8' \
  -F 'avatar=@avatar.jpg; type=image/jpeg'
```

### Request

```
POST /api/pets/1/avatar HTTP/1.1
Content-Type: multipart/form-data; charset=UTF-8;
boundary=6o2knFse3p53ty9dmcQvWAIx1zInP11uCfbm
Host: localhost:8080

--6o2knFse3p53ty9dmcQvWAIx1zInP11uCfbm
Content-Disposition: form-data; name=avatar; filename=avatar.jpg
Content-Type: image/jpeg

test image content
--6o2knFse3p53ty9dmcQvWAIx1zInP11uCfbm--
```

### RequestBody

### Response

```
HTTP/1.1 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 52

{"message":"Avatar uploaded successfully","petId":1}
```

### ResponseBody

```
{"message":"Avatar uploaded successfully","petId":1}
```

Table 14. ResponseField

| Path    | Type   | Description                             |
|---------|--------|-----------------------------------------|
| message | String | Success message upon uploading          |
| petId   | Number | ID of the pet whose avatar was uploaded |

## Get Pet Main Avatar

A **GET** request to retrieve the main avatar of a pet.

### Curl

```
$ curl 'http://localhost:8080/api/pets/1/avatar' -i -X GET
```

### Request

```
GET /api/pets/1/avatar HTTP/1.1
Host: localhost:8080
```

### Response

```
HTTP/1.1 200 OK
Content-Type: image/jpeg
Content-Length: 18
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
```

```
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
```

```
test image content
```

#### *ResponseBody*

```
test image content
```

## Upload Pet Additional Images

#### *ResponseField*

A **POST** request to upload additional images for a pet.

#### *Curl*

```
$ curl 'http://localhost:8080/api/pets/1/additional-images' -i -X POST \
-H 'Content-Type: multipart/form-data; charset=UTF-8' \
-F 'images=@image1.jpg; type=image/jpeg' \
-F 'images=@image2.jpg; type=image/jpeg'
```

#### *Request*

```
POST /api/pets/1/additional-images HTTP/1.1
Content-Type: multipart/form-data; charset=UTF-8;
boundary=6o2knFse3p53ty9dmcQvWAIx1zInP11uCfbm
Host: localhost:8080

--6o2knFse3p53ty9dmcQvWAIx1zInP11uCfbm
Content-Disposition: form-data; name=images; filename=image1.jpg
Content-Type: image/jpeg

image1 content
--6o2knFse3p53ty9dmcQvWAIx1zInP11uCfbm
Content-Disposition: form-data; name=images; filename=image2.jpg
Content-Type: image/jpeg

image2 content
--6o2knFse3p53ty9dmcQvWAIx1zInP11uCfbm--
```

#### *RequestBody*

#### *Response*

```
HTTP/1.1 200 OK
```

```
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 63

{"message": "Additional images uploaded successfully", "petId": 1}
```

#### *ResponseBody*

```
{"message": "Additional images uploaded successfully", "petId": 1}
```

*Table 15. ResponseField*

| Path    | Type   | Description                                         |
|---------|--------|-----------------------------------------------------|
| message | String | Success message upon uploading additional images    |
| petId   | Number | ID of the pet whose additional images were uploaded |

## Get Pet Additional Images

A **GET** request to retrieve additional images of a pet.

#### *Curl*

```
$ curl 'http://localhost:8080/api/pets/1/additional-images' -i -X GET
```

#### *Request*

```
GET /api/pets/1/additional-images HTTP/1.1
Host: localhost:8080
```

#### *Response*

```
HTTP/1.1 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 47
```

```
["aW1hZ2UxIGNvbnRlbnQ=", "aW1hZ2UyIGNvbnRlbnQ="]
```

### ResponseBody

```
["aW1hZ2UxIGNvbnRlbnQ=", "aW1hZ2UyIGNvbnRlbnQ="]
```

## Upload User Avatar

### ResponseField

A **POST** request to upload an avatar for a user.

### Curl

```
$ curl 'http://localhost:8080/api/users/profile/1/avatar' -i -X POST \
-H 'Content-Type: multipart/form-data; charset=UTF-8' \
-F 'avatar=@userAvatar.jpg; type=image/jpeg'
```

### Request

```
POST /api/users/profile/1/avatar HTTP/1.1
Content-Type: multipart/form-data; charset=UTF-8;
boundary=6o2knFse3p53ty9dmcQvWAIx1zInP11uCfbm
Host: localhost:8080

--6o2knFse3p53ty9dmcQvWAIx1zInP11uCfbm
Content-Disposition: form-data; name=avatar; filename=userAvatar.jpg
Content-Type: image/jpeg

avatar content
--6o2knFse3p53ty9dmcQvWAIx1zInP11uCfbm--
```

### RequestBody

### Response

```
HTTP/1.1 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Length: 53
```



```
{"message": "Avatar uploaded successfully", "userId": 1}
```

#### *ResponseBody*

```
{"message": "Avatar uploaded successfully", "userId": 1}
```

Table 16. ResponseField

| Path    | Type   | Description                              |
|---------|--------|------------------------------------------|
| message | String | Success message upon uploading           |
| userId  | Number | ID of the user whose avatar was uploaded |

## Get User Avatar

A **GET** request to retrieve the avatar of a user.

#### *Curl*

```
$ curl 'http://localhost:8080/api/users/profile/1/avatar' -i -X GET
```

#### *Request*

```
GET /api/users/profile/1/avatar HTTP/1.1
Host: localhost:8080
```

#### *Response*

```
HTTP/1.1 200 OK
Content-Type: image/jpeg
Content-Length: 14
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY

avatar content
```

#### *ResponseBody*

```
avatar content
```