

PAWSREUNITE - Backend Prod Testing

1. General Route

The screenshot shows the Postman interface with a successful response for the `HomePage` endpoint. The response body is:

```
1 "data": "Welcome to PawsReunite"
```

The screenshot shows the Postman interface with a successful response for the `Database Health` endpoint. The response body is a JSON object containing database connection details and model names:

```
1 "data": {  
2     "databaseName": "test",  
3     "databaseState": 1,  
4     "databaseHost": "ac-1d6w1wd-shard-00-00.9zbokc.mongodb.net",  
5     "databaseModels": [  
6         "Role",  
7         "User",  
8         "Post",  
9         "Comment",  
10        "Notification"  
11    ]  
12 }  
13  
14 }
```

The dev server is running on Heroku
GET <https://paws-reunite-backend-f2e54608210a.herokuapp.com/>

Connected to prod database on ATLAS
List number of the models
GET <https://paws-reunite-backend-f2e54608210a.herokuapp.com/databaseHealth>

Invalid Route
GET <https://paws-reunite-backend-f2e54608210a.herokuapp.com/aaaaa>

The screenshot shows the Postman interface with an invalid route response. The response body is:

```
1 "error": "Invalid Route"
```

3. User Route - Signup and Login

(only show the successful result here, error response will be the same as the dev testing)

The screenshot shows the Postman interface with a collection named "PawsReunite". A POST request is made to <https://paws-reunite-backend-f2e54608210a.herokuapp.com/users/signup>. The request body contains:

```
1 "username": "test1",
2 ... "email": "test@gmail.com",
3 ... "password": "Abcd1984"
```

The response status is 200 OK with a response time of 1733 ms and a size of 1.32 KB. The response body is a JSON object containing user ID and JWT token.

Successfully Signup
POST <https://paws-reunite-backend-f2e54608210a.herokuapp.com/users/signup>

The screenshot shows the Postman interface with the same collection "PawsReunite". A POST request is made to <https://paws-reunite-backend-f2e54608210a.herokuapp.com/users/signin>. The request body contains:

```
1 ... "email": "ji@gmail.com",
2 ... "password": "123456"
```

The response status is 200 OK with a response time of 1255 ms and a size of 1.28 KB. The response body is a JSON object containing user ID and JWT token.

Successfully Login
POST <https://paws-reunite-backend-f2e54608210a.herokuapp.com/users/signin>

3. User Route - Update user detail, List all users and delete user account

(only show the successful result here, error response will be the same as the dev testing)

POST https://paws-reunite-backend-f2e54608210a.herokuapp.com/users/signup

```
1 "username": "test1",
2 ... "email": "test@gmail.com",
3 ... "password": "Abcd1984"
```

GET https://paws-reunite-backend-f2e54608210a.herokuapp.com/users/all

Auth: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6I...
Headers: Content-Type: application/json

```
1 {
2   "_id": "64c789ba030322846d53ceea",
3   "username": "tom",
4   "email": "tom@gmail.com",
5   "password": "$2b$10$ioZ.Wi6Wgj094McVIRyHouRa42Gv5H7MjnYFHDoHsD0NZ.",
6   "token": "64c789ba030322846d53ceea",
7   "role": "user",
8   "notifications": []
9 },
10 ...
11 },
12 {
13   "_id": "64c789ba030322846d53ceef",
14   "username": "eddy",
15   "email": "eddy@gmail.com",
16   "password": "$2b$10$gsmwy5BdYwSjBnSypkWyuOP5tuXmyjJI1vvFvFhQjZ8hs7T0xx",
17   "token": "64c789ba030322846d53ceef",
18   "role": "user"
19 }
```

List all user accounts (Admin account only)
GET https://paws-reunite-backend-f2e54608210a.herokuapp.com/users/all

Successfully Update User
PUT https://paws-reunite-backend-f2e54608210a.herokuapp.com/users/

Delete user account (Admin account only)
DELETE https://paws-reunite-backend-f2e54608210a.herokuapp.com/users/64c78be482ba544a42db5e98

DELETE https://paws-reunite-backend-f2e54608210a.herokuapp.com/users/64c78be482ba544a42db5e98

Auth: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6I...
Headers: Content-Type: application/json

```
1 {
2   "message": "User deleted successfully"
3 }
```

4. Post Route - Get posts / post

(only show the successful result here, error response will be the same as the dev testing)

Successfully Get all posts
GET <https://paws-reunite-backend-f2e54608210a.herokuapp.com/posts>

Use Query Params to filter the posts
Return list of posts which are satisfied with those condition or empty array when conditions are not satisfied.
GET <https://paws-reunite-backend-f2e54608210a.herokuapp.com/posts?species=Dog&color=White>

Get one post by query params postId
GET <https://paws-reunite-backend-f2e54608210a.herokuapp.com/posts?postId=64c789ba030322846d53cefa>

Successfully Get all post from specific user from JWT
GET <https://paws-reunite-backend-f2e54608210a.herokuapp.com/posts/user>

Use Query Params to filter the posts
Return list of posts which are satisfied with those condition or empty array when conditions are not satisfied.
GET <https://paws-reunite-backend-f2e54608210a.herokuapp.com/posts/user>

4. Post Route - Filter Options

The screenshot shows the Postman interface with a dark theme. On the left, the sidebar lists collections, environments, and history. The main area shows a POST request to 'PawsReunite / Post / Filter'. The URL is <https://paws-reunite-backend-f2e54608210a.herokuapp.com/posts/filter?status=color>. The 'Params' tab is selected, showing a key 'status' with a value 'color'. Below the URL, the response body is displayed in Pretty JSON format:

```
1 "data": [  
2     "Black",  
3     "Brown",  
4     "Cream",  
5     "Grey",  
6     "Multi",  
7     "Other",  
8     "White"  
9 ]  
10 ]  
11 ]  
12 ]  
13 ]  
14 ]  
15 ]  
16 ]  
17 ]  
18 ]  
19 ]  
20 ]  
21 ]  
22 ]
```

Get distinct values of the 'status' field from the filtered posts
GET <https://paws-reunite-backend-f2e54608210a.herokuapp.com/posts/filter?status=color>

The screenshot shows the Postman interface with a dark theme. The sidebar is identical to the first screenshot. The main area shows a GET request to 'PawsReunite / Post / Get distinct breed based on s...'. The URL is <https://paws-reunite-backend-f2e54608210a.herokuapp.com/posts/distinct-breeds>. The response body is displayed in Pretty JSON format:

```
1 "data": [  
2     {"breeds": [  
3         "Parrot"  
4     ],  
5     "species": "Bird"}  
6     {"breeds": [  
7         "Pug",  
8         "Dachshund",  
9         "Poodle",  
10        "Samoyed",  
11        "Labrador"  
12    ],  
13    "species": "Dog"}  
14     {"breeds": [  
15         "Siamese",  
16         "Bengal"  
17     ],  
18     "species": "Cat"}  
19 ]  
20 ]  
21 ]  
22 ]
```

Get distinct breed based on species
The purpose of this route is to limit the breed options only based on specific species
GET <https://paws-reunite-backend-f2e54608210a.herokuapp.com/posts/distinct-breeds>

4. Post Route - Create post, update post and delete post

(only show the successful result here, error response will be the same as the dev testing)

The screenshot shows the Paw API client interface. On the left sidebar, under the 'PawsReunite' collection, the 'Post' section is selected. A POST request is being made to <https://paws-reunite-backend-f2e54608210a.herokuapp.com/posts>. The 'Body' tab is selected, showing a form-data payload with fields: photos (cat9.jpg), title (Missing), species (Cat), and breed (Persian). The response status is 200 OK.

Successfully create post
POST <https://paws-reunite-backend-f2e54608210a.herokuapp.com/posts>

Successfully update post
PUT <https://paws-reunite-backend-f2e54608210a.herokuapp.com/posts/64c7903082ba544a42db5eb>

Successfully delete post
DELETE <https://paws-reunite-backend-f2e54608210a.herokuapp.com/posts/64c7903082ba544a42db5eb>

The screenshot shows the Paw API client interface. A PUT request is being made to <https://paws-reunite-backend-f2e54608210a.herokuapp.com/posts/64c7903082ba544a42db5eb>. The 'Body' tab is selected, showing a JSON payload with fields: title (Missing puppy), description (New description), status (found), photos (Parrot3.jpg), and oldphotos (null). The response status is 200 OK.

The screenshot shows the Paw API client interface. A DELETE request is being made to <https://paws-reunite-backend-f2e54608210a.herokuapp.com/posts/64c7903082ba544a42db5eb>. The 'Body' tab is selected, showing a JSON payload with fields: title (Missing puppy), species (Cat), breed (Persian), color (Black), and description (New description). The response status is 200 OK.

5. Comment Route - Comments

(only show the successful result here, error response will be the same as the dev testing)

The screenshot shows the Postman interface with the collection 'PawsReunite' selected. In the left sidebar, under the 'Comment' section, the 'GET Get all comments' endpoint is highlighted. The request URL is <https://paws-reunite-backend-f2e54608210a.herokuapp.com/comments?postId=64c789ba030322846d53cefb>. The response body is displayed in JSON format:

```
1 "data": [
2   {
3     "_id": "64c789ba030322846d53cf05",
4     "content": "Try not to cry because they are gone. Smile because you had the chance to know such a sweet kitty.",
5     "userId": {
6       "_id": "64c789ba030322846d53ceee",
7       "username": "tom",
8       "email": "tom@gmail.com",
9       "password": "$2b$10$ioZ.Wiw6Wgy094McVIRyHoufa2kv5HTMjnYFHDoHs0ONZ.oeebmK",
10      "roleId": "64c789b9030322846d53ceea",
11      "notifications": [],
12      "__v": 0
13    },
14    "postId": "64c789ba030322846d53cefb",
15  }
]
```

Get all comments from post

GET <https://paws-reunite-backend-f2e54608210a.herokuapp.com/comments?postId=64c789ba030322846d53cefb>

The screenshot shows the Postman interface with the collection 'PawsReunite' selected. In the left sidebar, under the 'Comment' section, the 'GET Get specific comment by id' endpoint is highlighted. The request URL is <https://paws-reunite-backend-f2e54608210a.herokuapp.com/comments/64c789ba030322846d53cf05>. The response body is displayed in JSON format:

```
1 "data": {
2   "_id": "64c789ba030322846d53cf05",
3   "content": "Try not to cry because they are gone. Smile because you had the chance to know such a sweet kitty.",
4   "userId": {
5     "_id": "64c789ba030322846d53ceee",
6     "username": "tom",
7     "email": "tom@gmail.com",
8     "password": "$2b$10$ioZ.Wiw6Wgy094McVIRyHoufa2kv5HTMjnYFHDoHs0ONZ.oeebmK",
9     "roleId": "64c789b9030322846d53ceea",
10    "notifications": [],
11    "__v": 0
12  },
13  "postId": "64c789ba030322846d53cefb",
14  "createdAt": "2023-07-31T10:15:07.267Z",
15 }
```

Get specific comment by commentId

GET <https://paws-reunite-backend-f2e54608210a.herokuapp.com/comments/64c789ba030322846d53cf05>

5. Comment Route - Create Comment & Delete Comment

(only show the successful result here, error response will be the same as the dev testing)

The screenshot shows the Postman interface for the PawsReunite API. The left sidebar lists various endpoints under the 'Comment' category. The main panel displays a DELETE request for the '/comment/{id}' endpoint. The URL is set to <https://paws-reunite-backend-f2e54608210a.herokuapp.com/comments/64c7927482ba544a42db5ecd>. The 'Auth' tab is selected, showing a Bearer Token with the value eyJhbGciOiJIUzI1NiIsInR5cCI6I... . The 'Body' tab is set to 'Pretty' and contains the following JSON:

```
1 "data": {  
2     "_id": "64c7927482ba544a42db5ecd",  
3     "content": "new comment",  
4     "userId": "64c789ba030322846d53cef0",  
5     "postId": "64ab8b5820c7076963872160",  
6     "createdAt": "2023-07-31T10:52:36.018Z",  
7     "__v": 0  
8 }
```

The screenshot shows the Postman interface for the PawsReunite API. The left sidebar lists various endpoints under the 'Comment' category. The main panel displays a successful response for the DELETE request. The status bar indicates 200 OK. The 'Body' tab is set to 'Pretty' and contains the following JSON:

```
1 "data": {  
2     "_id": "64c7927482ba544a42db5ecd",  
3     "content": "new comment",  
4     "userId": "64c789ba030322846d53cef0",  
5     "postId": "64ab8b5820c7076963872160",  
6     "createdAt": "2023-07-31T10:52:36.038Z",  
7     "__v": 0  
8 }
```

Successfully create comment under specific post

POST <https://paws-reunite-backend-f2e54608210a.herokuapp.com/comments/64ab8b5820c7076963872160>

Successfully delete comment

DELETE <https://paws-reunite-backend-f2e54608210a.herokuapp.com/comments/64c7927482ba544a42db5ecd>

6. Notification Route - Get all notifications and create notification

(only show the successful result here, error response will be the same as the dev testing)

The screenshot shows the Postman interface with the 'PawsReunite' collection selected. A new request is being created for the 'Notification / All notifications' endpoint. The method is set to 'GET'. The URL is <https://paws-reunite-backend-f2e54608210a.herokuapp.com/notifications>. In the 'Auth' tab, a 'Bearer Token' is selected, and a token is displayed: eyJhbGciOiJIUzI1NiIsInR5cCI6I... . The 'Body' tab shows a JSON response with two notification objects. The first object has an _id of 64c789ba030322846d53cf07, a userId of 64c789ba030322846d53cef07, a message of "Your pet has been found!", a postId of 64c789ba030322846d53cef2, and a createdAt of 2023-07-31T10:15:07.267Z. The second object has an _id of 64c789ba030322846d53cf08, a userId of 64c789ba030322846d53cef08, a message of "Your pet has been found!", a postId of 64c789ba030322846d53cef8, and a createdAt of 2023-07-31T10:15:07.267Z.

Get all notifications from specific user by validate JWT
GET <https://paws-reunite-backend-f2e54608210a.herokuapp.com/notifications>

The screenshot shows the Postman interface with the 'PawsReunite' collection selected. A new request is being created for the 'Notification / create notification' endpoint. The method is set to 'POST'. The URL is <https://paws-reunite-backend-f2e54608210a.herokuapp.com/notifications>. In the 'Body' tab, a JSON object is defined with a message of "found dog", a userId of "64c789ba030322846d53cef0", and a postId of "64c793a682ba544a42db5ed8". The response shows a single notification object with an _id of 64c793a682ba544a42db5ed8, a userId of 64c793a682ba544a42db5ed8, a message of "found dog", a createdAt of 2023-07-31T10:57:42.663Z, and a __v of 0.

App will compare new created post with other posts once it found the matching, system will automatically create new notification based on found userId
POST <https://paws-reunite-backend-f2e54608210a.herokuapp.com/notifications>