

## API Contract for Pet Adoption App

### User Authentication & Profiles

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#### POST /login

- Description: Authenticate user credentials

- Input:

```
{  
  
  "email": "string",  
  
  "password": "string"  
}
```

- Output:

```
{  
  
  "token": "string",  
  
  "user": { "id": "int", "name": "string", "email": "string" }  
}
```

#### POST /signup

- Description: Register a new user

- Input:

```
{  
  
  "name": "string",  
  
  "email": "string",  
  
  "password": "string"  
}
```

- Output:

```
{
```

```
"message": "User created successfully"

}
```

GET /user

- Description: Get the authenticated user profile

- Output:

```
{

  "id": "int",

  "name": "string",

  "email": "string"

}
```

Pet Listings

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GET /api/pets

- Description: Get a list of all available pets

- Output:

```
[

  {

    "id": 1,

    "name": "Bella",

    "type": "dog",

    "age": 3,

    "breed": "Labrador",

    "location": "CT"

  }

]
```

GET /api/pets/<id>

- Description: Get specific pet details

- Output:

```
{  
  
  "id": 1,  
  
  "name": "Bella",  
  
  "type": "dog",  
  
  "description": "Loyal and friendly",  
  
  "images": ["url1", "url2"]  
  
}
```

POST /api/pets

- Admin-only: Add a new pet

- Input:

```
{  
  
  "name": "string",  
  
  "type": "string",  
  
  "age": "int",  
  
  "breed": "string",  
  
  "description": "string",  
  
  "images": ["string"]  
  
}
```

PUT /api/pets/<id>

- Admin-only: Update pet details

- Input: Same as POST above

DELETE /api/pets/<id>

- Admin-only: Delete pet listing

- Output:

```
{ "message": "Pet deleted" }
```

Adoption Applications

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POST /api/adoptions

- Description: Submit an application

- Input:

```
{  
  
  "pet_id": 1,  
  
  "user_id": 12,  
  
  "reason": "string"  
  
}
```

GET /api/adoptions (Admin only)

- Description: View all applications

- Output:

```
[  
  
  {  
  
    "application_id": 3,  
  
    "user": { "id": 12, "name": "John" },  
  
    "pet": { "id": 1, "name": "Bella" },  
  
    "status": "pending"  
  
  }  
  
]
```

]

PUT /api/adoptions/<id>

- Description: Update status (approve/reject)

- Input:

```
{  
  
  "status": "approved"  
  
}
```

Saved Pets (Favorites)

-----

POST /api/favorites/<pet\_id>

- Description: Save a pet to the user's favorites

- Output:

```
{ "message": "Pet saved" }
```

GET /api/favorites

- Description: List all saved pets for the user

- Output:

```
[  
  
  { "id": 1, "name": "Bella" }  
  
]
```

DELETE /api/favorites/<pet\_id>

- Description: Remove a pet from favorites

- Output:

```
{ "message": "Pet removed from favorites" }
```

## Quiz Matching

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### POST /matches

- Description: Submit quiz responses for pet matching

- Input:

```
{  
  
  "questions": [1, 2, 3],  
  
  "answers": ["A", "C", "B"]  
  
}
```

- Output:

```
[  
  
  {  
  
    "id": 4,  
  
    "name": "Charlie",  
  
    "match_score": 92  
  
  }  
  
]
```

## Static Pages (UI Only)

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/ - Home page

/login - Login form

/search - Search form page

/matches - Quiz view / submission

/saved - View saved pets

/documents - Document uploads/links

[/faqs](#) - Frequently Asked Questions

[/pet\\_profiles/\\*](#) - Filtered pet pages by type (dogs, cats, etc.)