Pawsitive Futures

Presented By

Group No.41

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Introduction

- Pawsitive Futures is a web portal application developed to enhance the pet adoption process, featuring three main modules: User, Shelter, and Admin.
- The User Module enables users to browse pet listings, submit adoption applications, and schedule appointments through a user-friendly interface.
- The Shelter Module allows shelters to efficiently manage pet listings, track applications, and coordinate appointments.
- The Admin Module provides comprehensive oversight of the platform, ensuring smooth operations and effective data management.
- The system includes secure payment processing for adoption fees. The application is developed using Spring Boot for backend services, React for the frontend, and MySQL for data management, ensuring a dynamic and effective user experience.

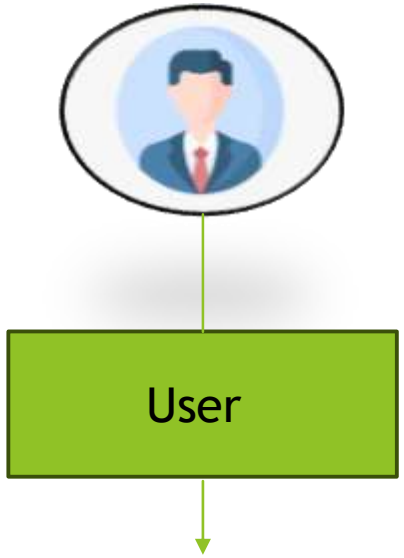
Architecture

- Backend (Spring boot):-Spring Boot is used to create a RESTful API that handles the business logic and data management for the application. It manages operations like user authentication, pet data retrieval, adoption request processing, and database interactions.
- Frontend (React): React is used to build the user interface. It interacts with the Spring Boot backend through API calls. The frontend handles rendering the pet listings, forms for adoption requests, and user interactions.

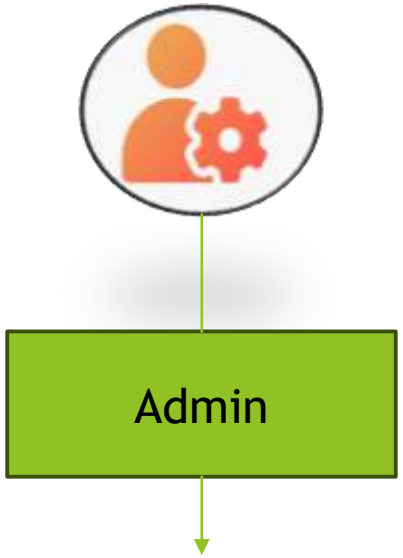
Technology platform used for project

- Spring boot:-For backend development, including RESTful APIs and database management.
- React:-React is used for building responsive and interactive user interface.
- MySQL database:-MySQL is used for storing user details, pet details, adoption requests, appointment details.

User roles and responsibilities



A user is a visitor interested in adopting a pet. They can browse and search available pets, view detailed profiles, submit adoption requests, and manage their personal information and saved pets while tracking the status of their adoption requests.



The admin manages the platform, ensuring smooth operations and data integrity. They handle user accounts, moderate content, maintain system performance.

A shelter manages pet listings and the adoption process, creating profiles with detailed information, reviewing adoption requests, and updating pet statuses. They also communicate with potential adopters to provide information and arrange visits.

Future extensions or scope

- Mobile App:

  - Develop a mobile version of the application.

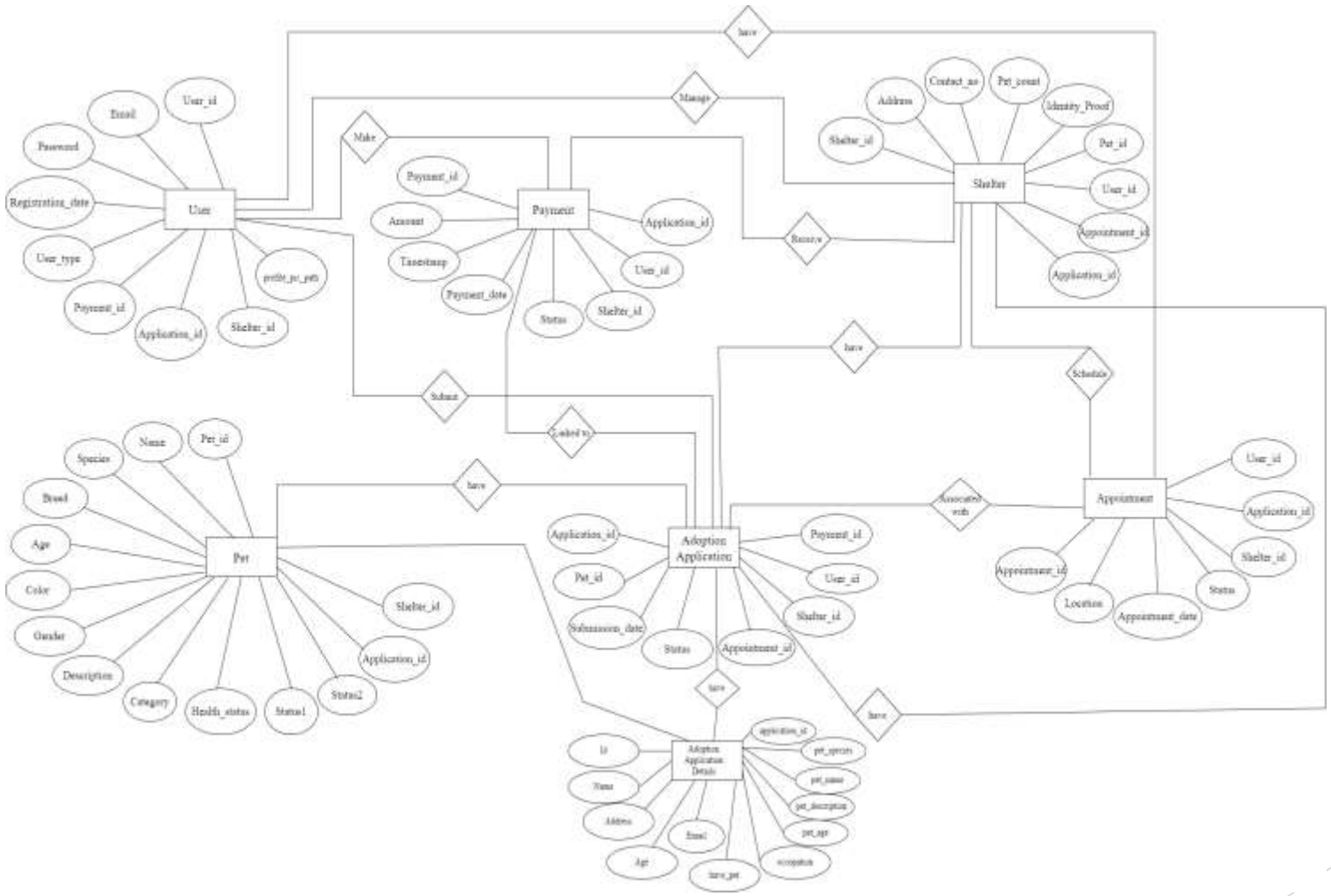
- Advanced Search:

  - Add more filters and sorting options for pet searches.

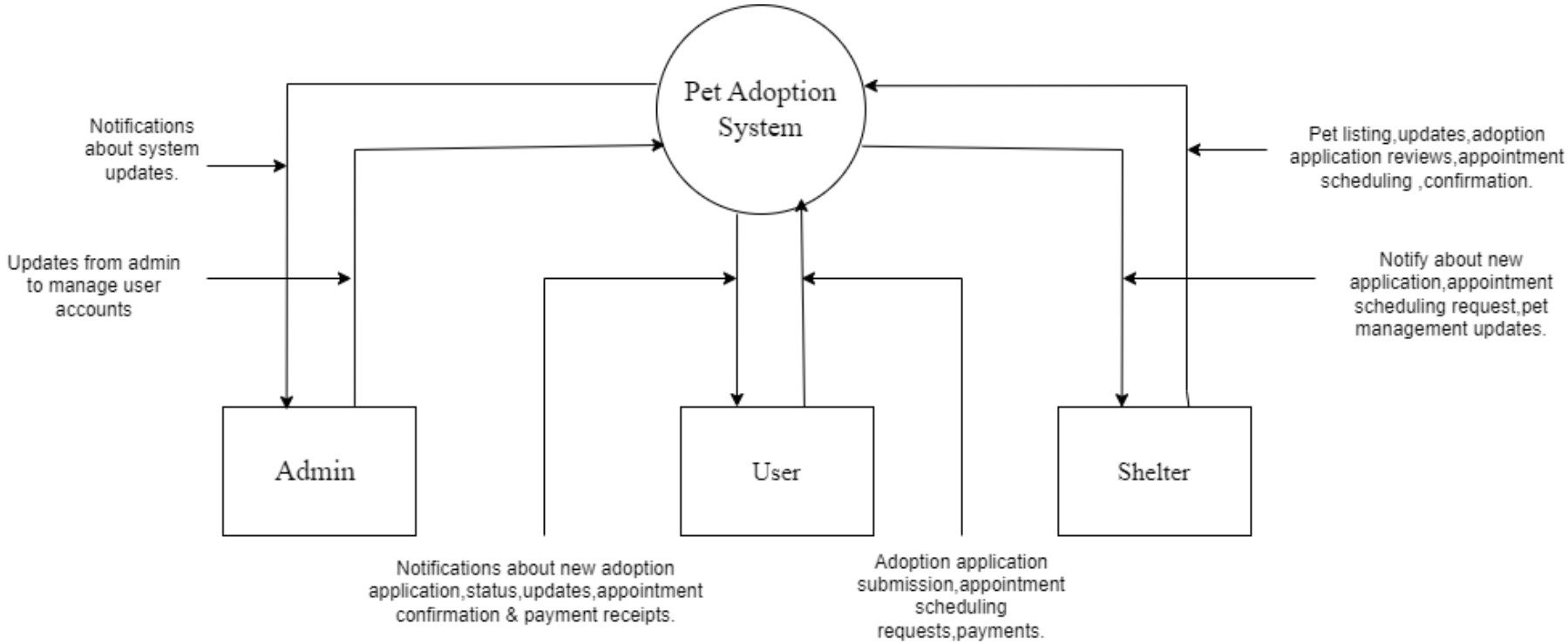
- Notifications:

  - Implement real-time notifications for adoption status updates.

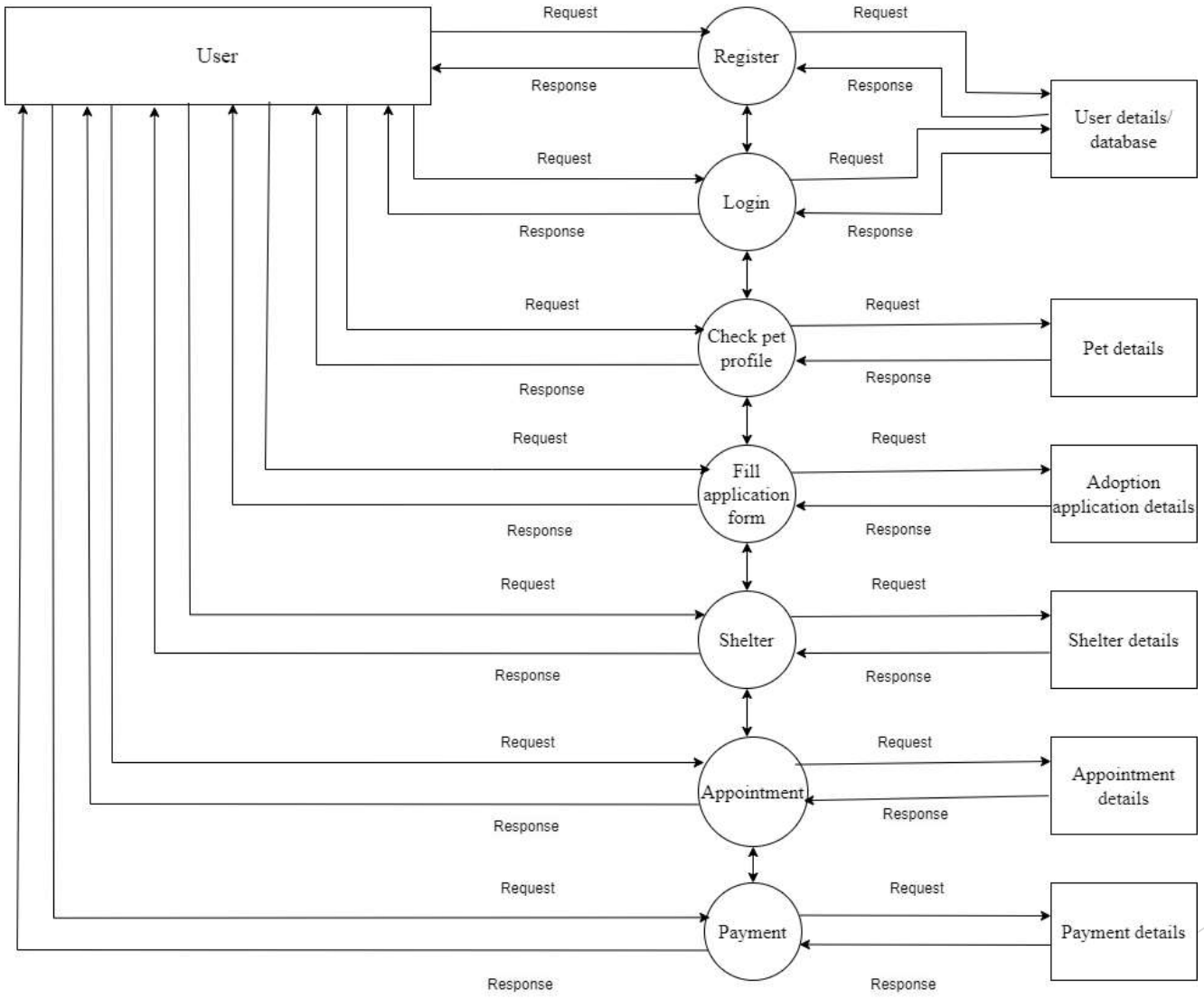
ER diagram


have
Manage
Make
User
Email
User_id
Password
Registration_date
User_type
Payment_id
Application_id
Shelter_id
Payment
Payment_id
Amount
Timestamp
Payment_date
Status
Application_id
User_id
Shelter_id
Reserve
Shelter
Address
Contact_no
Pet_count
Identity_Proof
Shelter_id
Pet_id
User_id
Appointment_id
Application_id
have
Schedule
Submit
Linked to
Pet
Species
Name
Pet_id
Breed
Age
Color
Gender
Description
Category
Health_status
Status1
Status2
Shelter_id
Application_id
have
Adoption Application
Application_id
Pet_id
Submission_date
Status
Payment_id
User_id
Shelter_id
Appointment_id
have
Associated with
Appointment
User_id
Application_id
Shelter_id
Status
Appointment_date
Location
Appointment_id
have
Adoption Application Details

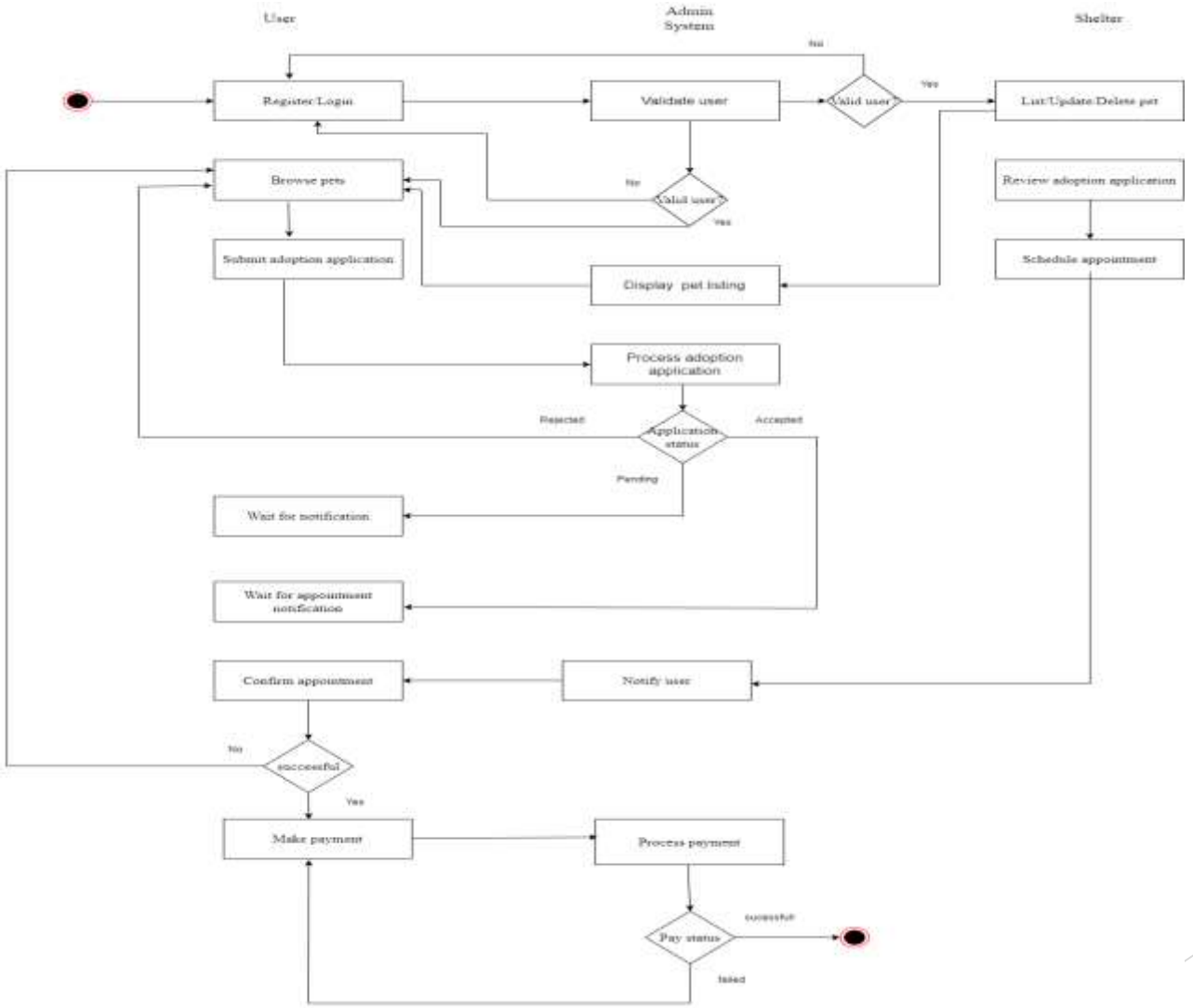
DFD level 0 diagram



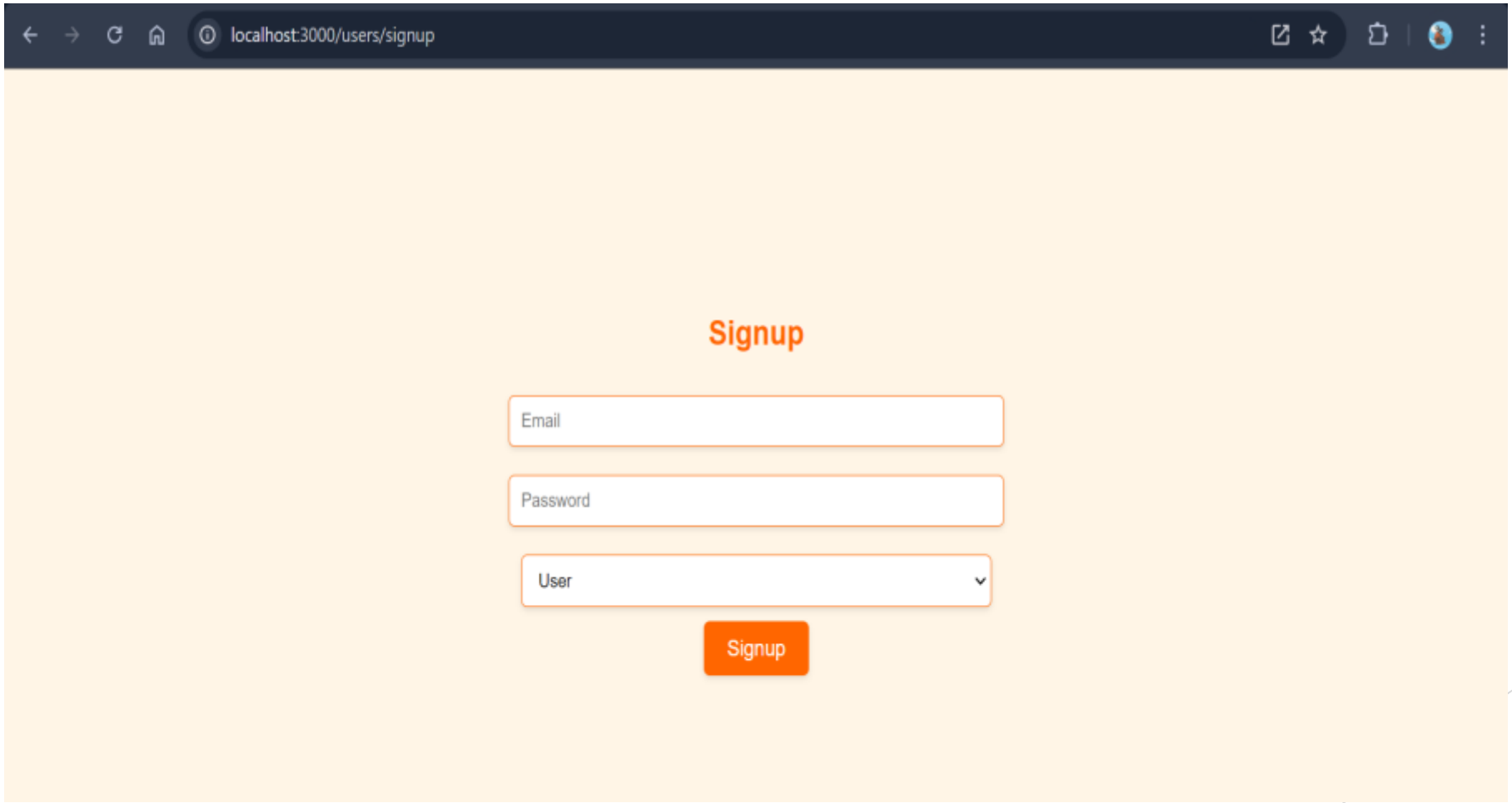
DFD level 1 diagram

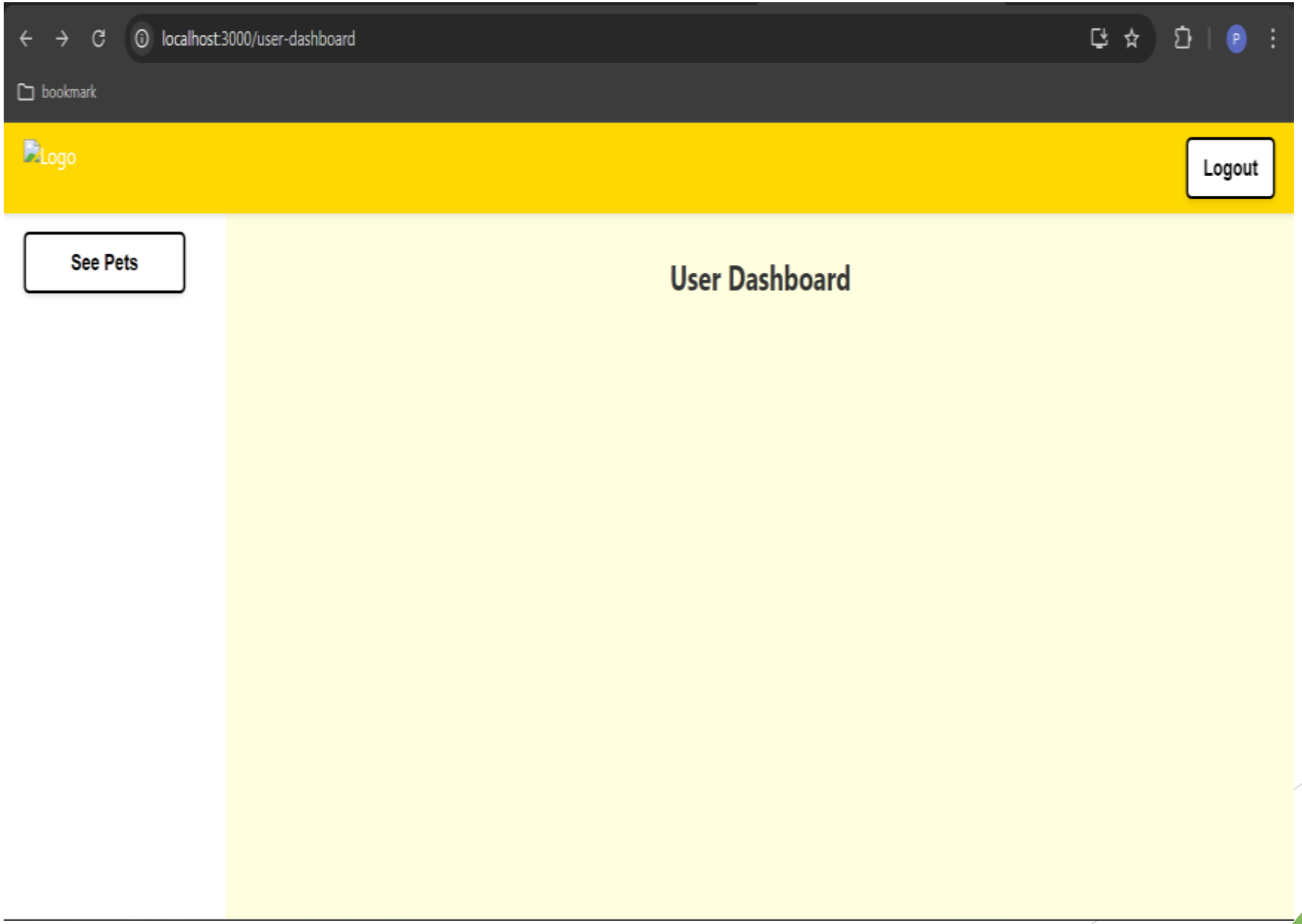


Activity diagram



Screen Shots




localhost:3000/user-dashboard
bookmark
Logo
Logout
See Pets
User Dashboard

localhost:3000/pets/category/DOG

Dogs Available for Adoption

dognewupdated

Age: 2

Gender: f

See Details

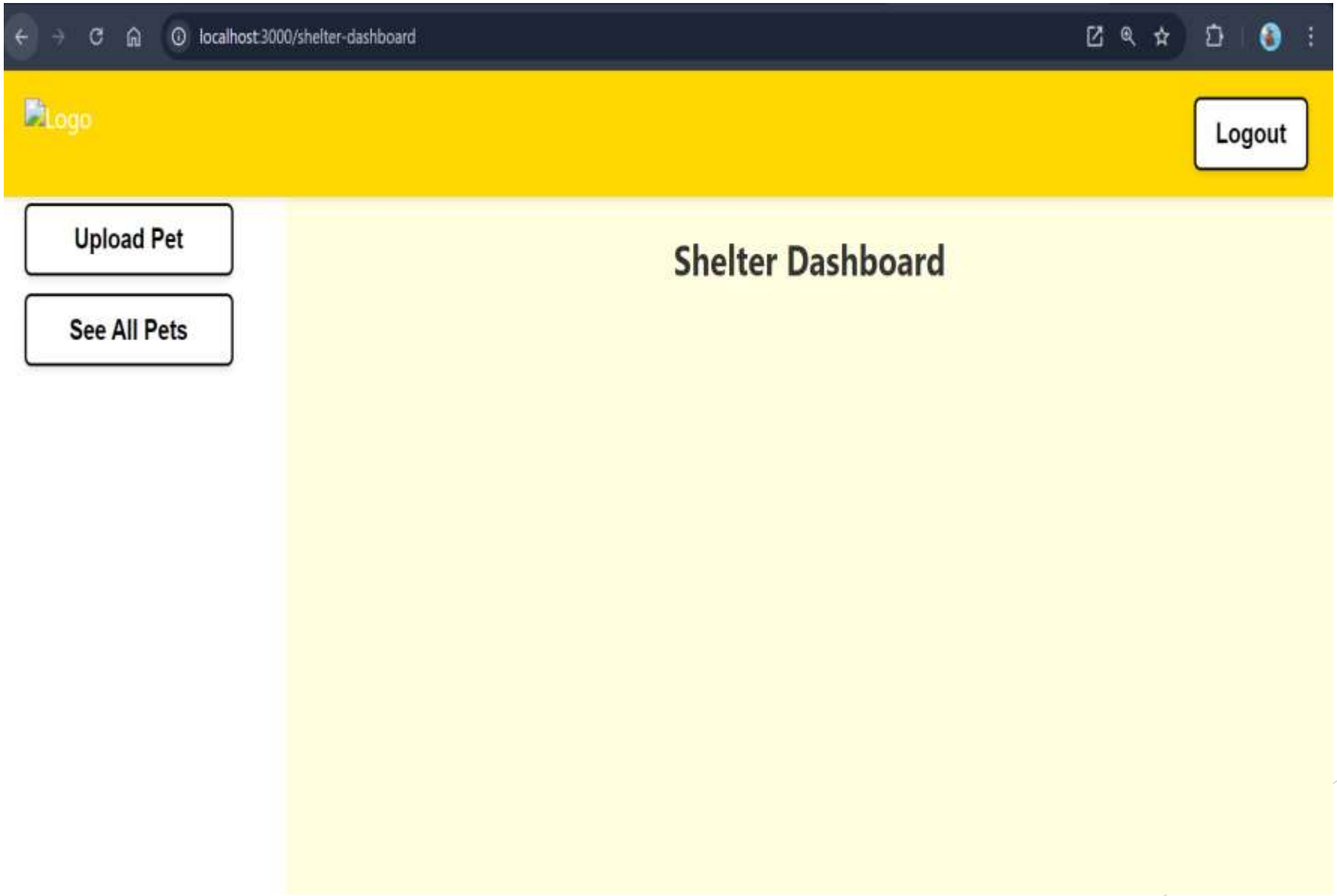
newDOg

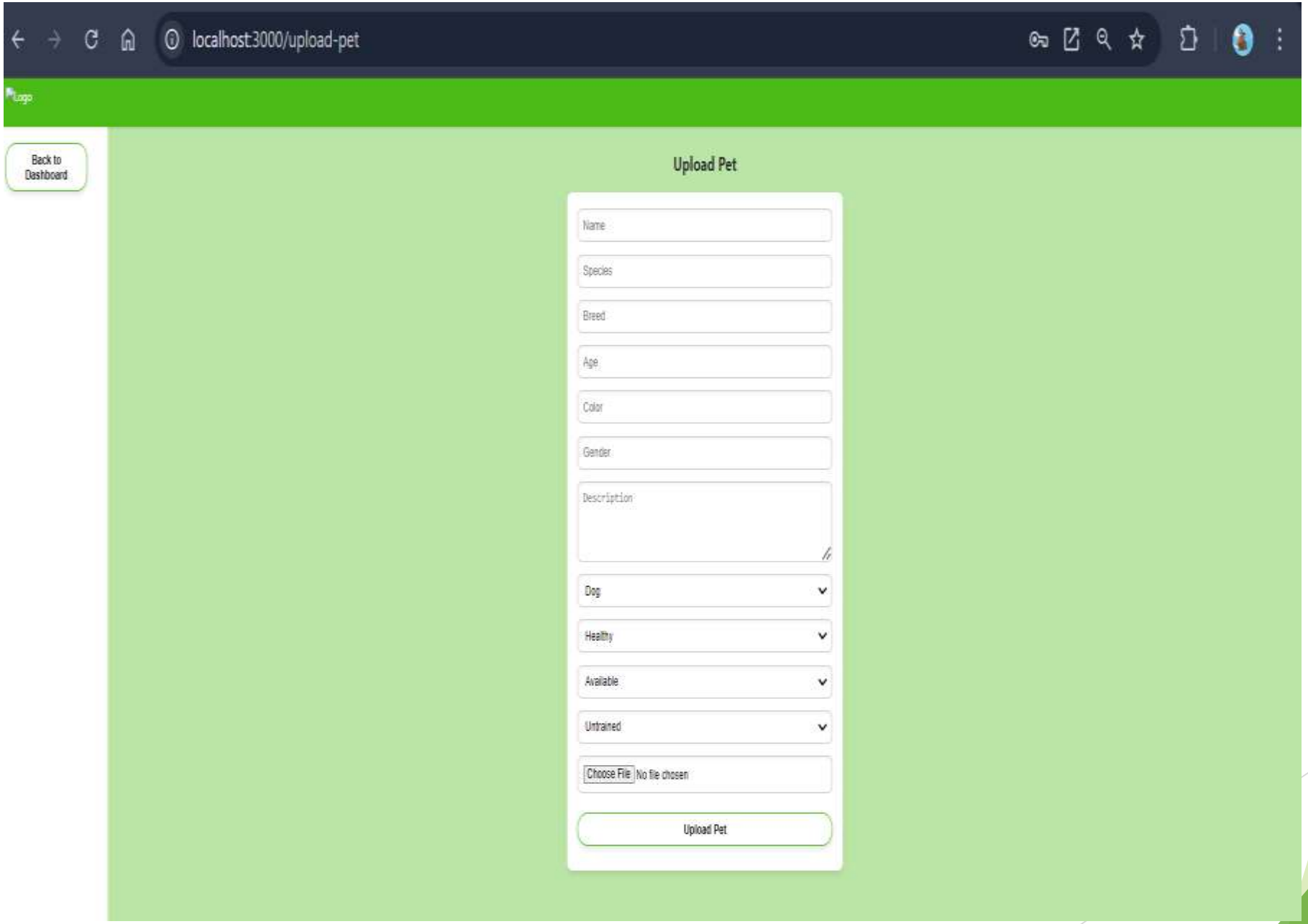
Age: 23

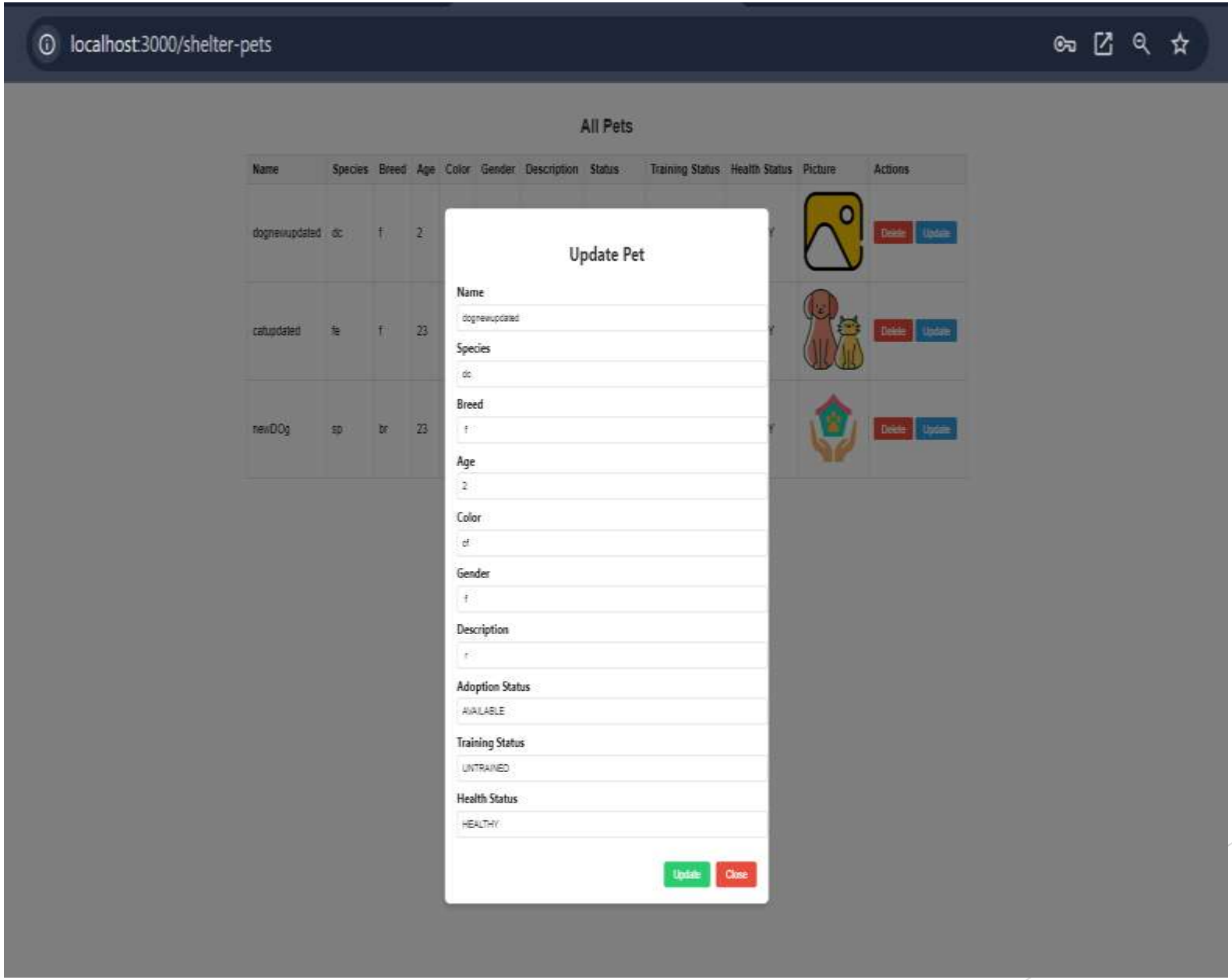
Gender: fe

See Details

localhost:3000/adoption-application
Name:
Address:
Age:
Email:
Occupation:
Do you have other pets? Yes
Pet Name:
Pet Age:
Pet Description:
Pet Species:
Submit Application


localhost:3000/shelter-dashboard
Logo
Logout
Upload Pet
See All Pets
Shelter Dashboard


localhost:3000/upload-pet
Logo
Back to Dashboard
Upload Pet
Name
Species
Breed
Age
Color
Gender
Description
Dog
Healthy
Available
Untrained
Choose File
No file chosen
Upload Pet

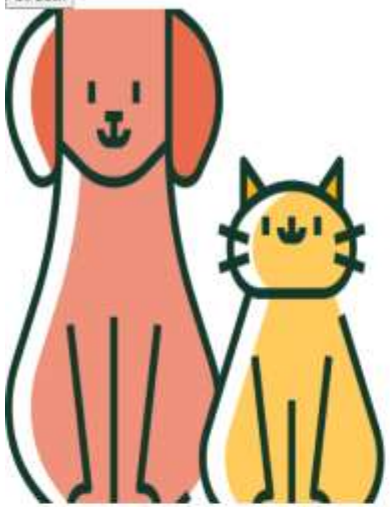

localhost:3000/shelter-pets
All Pets
Name
Species
Breed
Age
Color
Gender
Description
Status
Training Status
Health Status
Picture
Actions
dognewupdated
dc
f
2
catupdated
fe
f
23
newDOg
sp
br
23
Delete
Update
Update Pet
Name
dognewupdated
Species
dc
Breed
f
Age
2
Color
cf
Gender
f
Description
r
Adoption Status
AVAILABLE
Training Status
UNTRAINED
Health Status
HEALTHY
Update
Close

All Pets

Name	Species	Breed	Age	Color	Gender	Description	Status	Training Status	Health Status	Picture	Actions
dognewupdated	dc	f	2	cf	f	r	AVAILABLE	UNTRAINED	HEALTHY		Delete Update
catupdated	fe	f	23	few	f	f	AVAILABLE	UNTRAINED	HEALTHY		Delete Update
newDOg	sp	br	23	cl	fe	desc	AVAILABLE	UNTRAINED	HEALTHY		Delete Update

localhost:3000/pets/3

Go Back

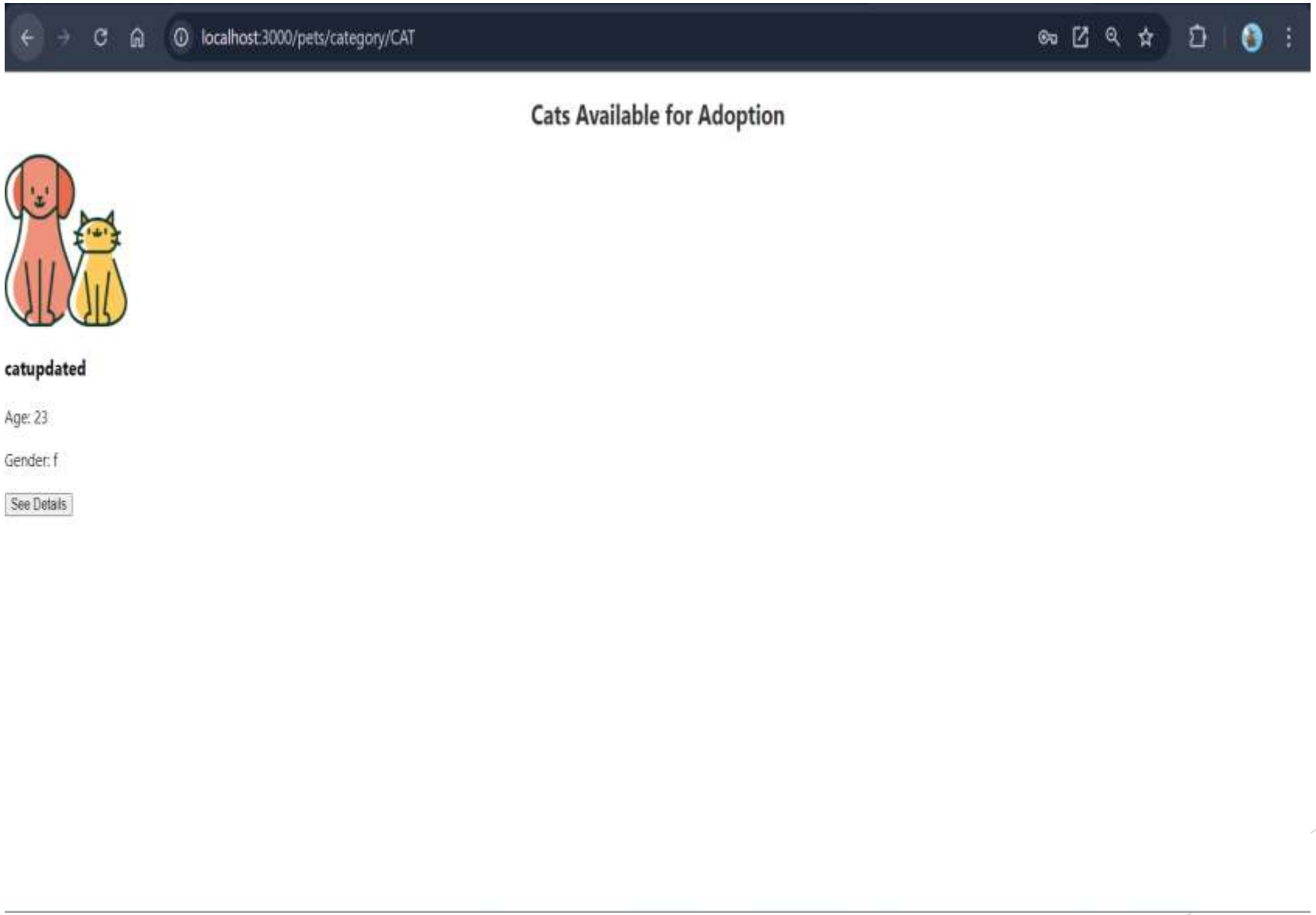


catupdated

Description: No description available

- **Age:** 23
- **Breed:** f
- **Color:** few
- **Gender:** f
- **Training Status:** UNTRAINED
- **Health Status:** HEALTHY
- **Species:** fe

Submit Application


localhost:3000/pets/category/CAT
Cats Available for Adoption
catupdated
Age: 23
Gender: f
See Details

Conclusion

- The Pet Adoption Project successfully connected many animals with caring families, increasing adoption rates and making the process easier. Through community efforts and partnerships with shelters, we helped create lasting bonds between pets and their new owners. Continued support will be key to helping more animals find their forever homes.

Thank You