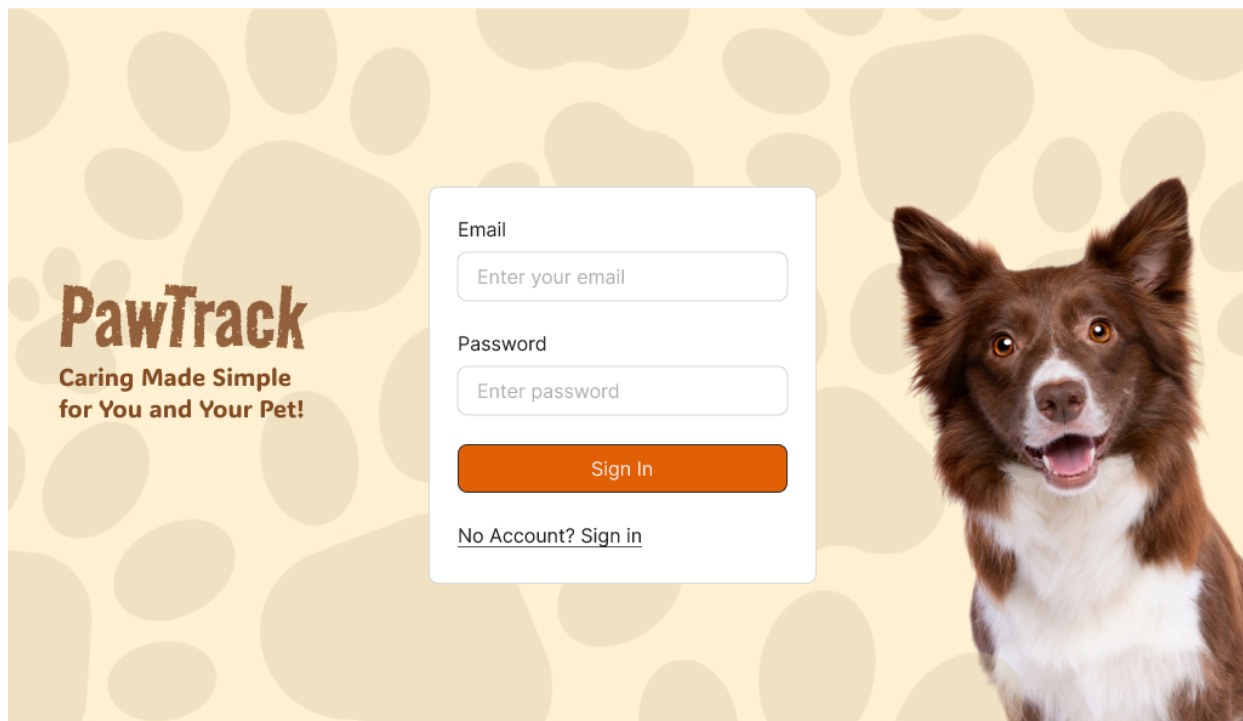


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Acceptance Criteria: UI Prototype

User Pages

1. Login / Sign Up



- The login page should load with email and password fields visible.
- Users must enter valid credentials to log in; invalid entries should show an error message.
- The "Sign In" button must remain disabled until both fields are filled.



At PawTrack, we believe that every pet deserves safe, reliable, and accessible care. Our IoT-integrated web-based system is designed to make pet information management easier, faster, and more secure for both veterinary clinics and pet owners. By combining microchip detection technology with a centralized, real-time database, PawTrack eliminates the hassle of manual record-keeping and ensures that vital information, such as vaccination history, medical records, and identification details, is always at your fingertips. Developed with veterinarians, clinic staff, and pet owners in mind, PawTrack streamlines the process of retrieving and updating records, protecting sensitive data through strong security measures, and keeping every branch connected through seamless data synchronization. Our mission is simple: to strengthen the bond between pets, owners, and veterinarians by making pet care smarter, safer, and more efficient.

- d. On successful login, users should be redirected to their Dashboard.
- e. The signup form must validate email format and enforce password.

PawTrack
Caring Made Simple
for You and Your Pet!

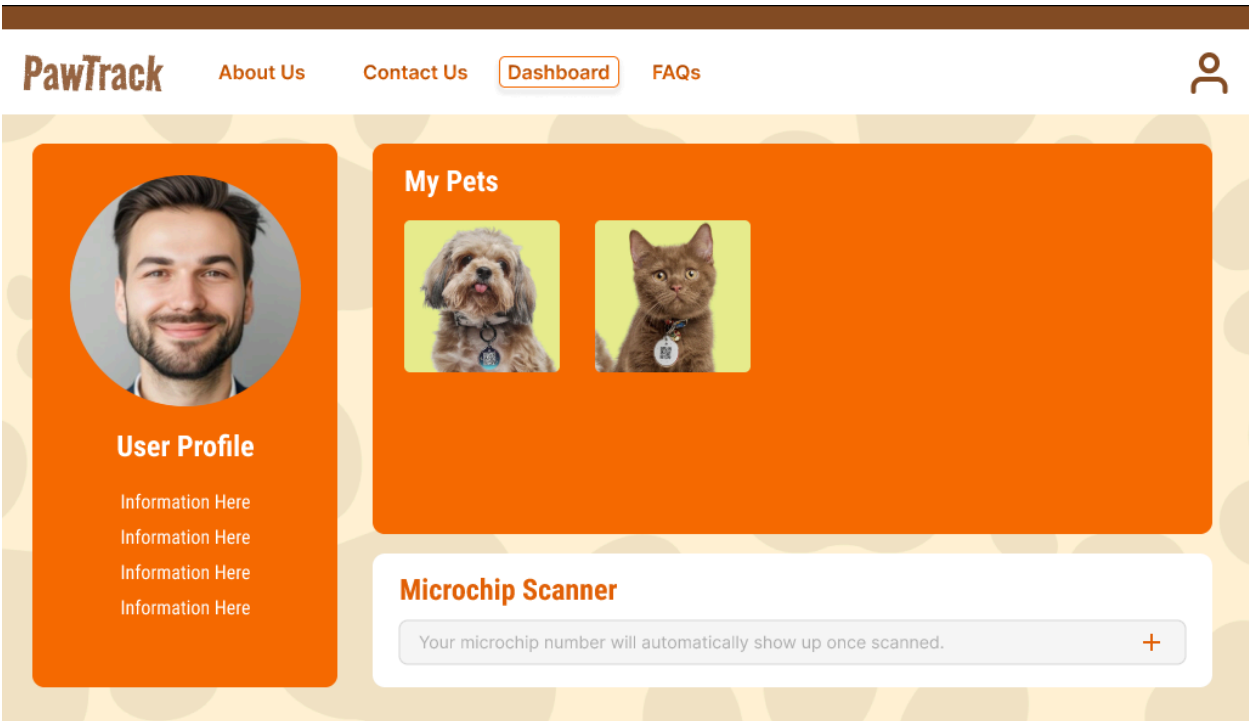
Email

Password

[Already have an account? Login](#)

- f. After successful registration, redirect the user to the login page.

2. Dashboard (User View)



- a. The user's profile info and pet list must display after login.
- b. Pet microchip scanner field will display the microchip scanner once scanned.
- c. Clicking a pet should open detailed records (Vaccination, Medical Records, Vet Notes).



My Pets

Microchip Number

000000000000000000



Pet Name

Species (Dog, Cat, etc.)

Breed

Age / Date of Birth

Gender

Owner Name

Information Here

Information Here

Information Here

Information Here

Pet Records

Vaccination History

Past Medical Records

Notes from Veterinarians



← Medical Records

PUPPY INFORMATION

Puppy's Name:	Breed:	Color:
Registered Number:	Sex:	Birth Weight:

KNOWN HEALTH CONDITIONS

Diagnosis	Date Diagnosed	Treatment
Staphylococcal Infection	May 14, 2050	
Mild Otitis Externa	August 01, 2050	


- d. User can log out from the dashboard at any time, which should redirect to the login page.


3. My Pets Section

- a. Each pet profile should display photo, microchip number, breed, age, and owner details.
- b. The pet record panel must provide navigation to:
 - i. Vaccination History
 - ii. Past Medical Records
 - iii. Notes from Veterinarians
- c. Invalid or missing microchip numbers should return an error message.

4. Vaccination History

- a. The vaccination table must list shot type, date given, and next due date.
- b. Records must be displayed in chronological order.


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 **Vaccination History**

VACCINATION RECORD		
Shot Type	Date	Next Due
DHPP	January 11, 205	
DHLPP	April 11, 2050	
DA2PP-L	July 11, 2050	
DA2PP-C	October 11, 2050	

5. Medical Records

- Each pet record must display breed, color, birth weight, and known health conditions.
- Health conditions must include diagnosis, date diagnosed, and treatment.
- Records must be editable only by veterinarians.

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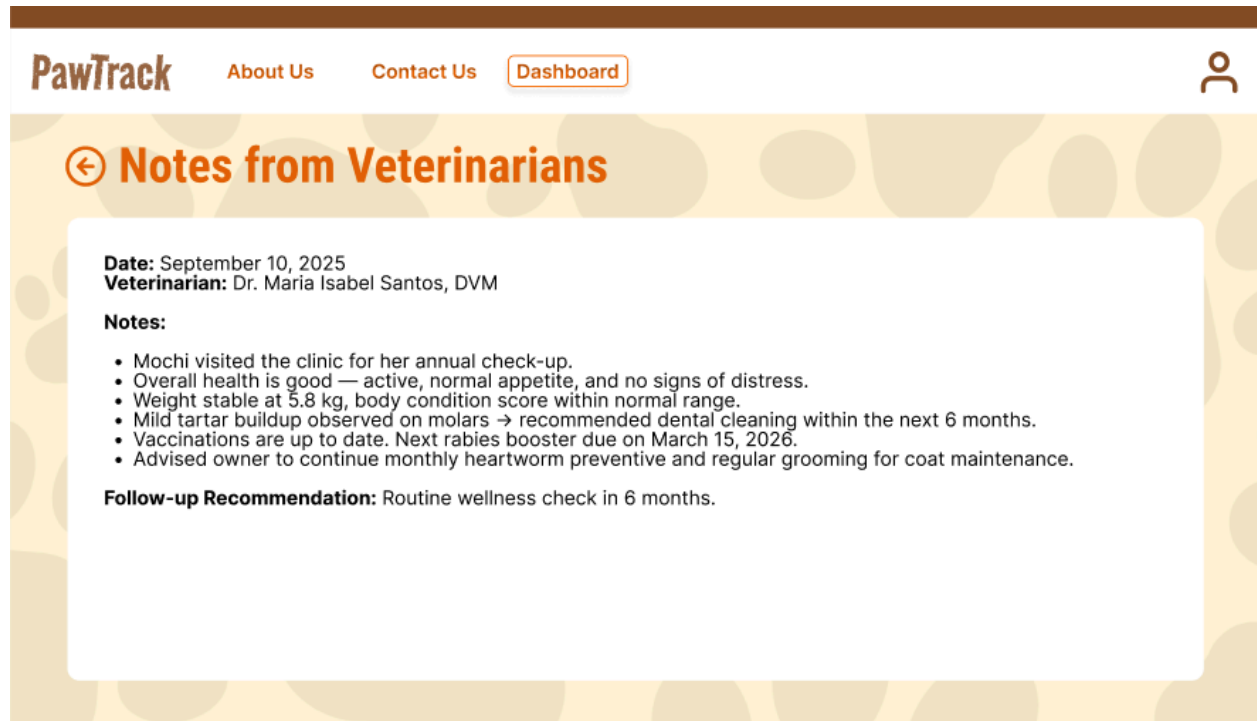
 **Medical Records**

PUPPY INFORMATION		
Puppy's Name:	Breed:	Color:
Registered Number:	Sex:	Birth Weight:

KNOWN HEALTH CONDITIONS		
Diagnosis	Date Diagnosed	Treatment
Staphylococcal Infection	May 14, 2050	
Mild Otitis Externa	August 01, 2050	


6. Vet Notes

- Notes must show date, vet's name and remarks.
- Veterinarians should be able to add new notes linked to the pet profile.
- Users should only have read-only access to notes.




7. Contact Us Page

- The form must include fields for name, surname, email, and message.
- All fields must be required; empty submissions should trigger validation errors.

PawTrack [About Us](#) [Contact Us](#) [Dashboard](#) [FAQs](#) 

Connect With Us!

☎ 000-000-0000 ✉ sample@gmail.com



Name

Surname

Email

Message

8. About Us Page

- The page must display system description, features, and purpose.
- All navigation links (About Us, Contact Us, Dashboard, FAQs) must be functional.



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9. FAQs Page

- a. FAQs must list at least 10 questions with answers.
- b. Answers must collapse/expand when clicked for better readability.
- c. The page must be accessible without login.

FAQs

1. What is PawTrack?

PawTrack is an IoT-integrated, web-based system that helps pet owners and veterinary clinics securely manage pet information using microchip detection.

2. How does the microchip scanning work?

When your pet's RFID-enabled microchip is scanned, PawTrack automatically retrieves their profile from a secure database, showing details such as vaccination history, medical records, and owner information.

3. Do I need to install anything to use PawTrack?

No. PawTrack is a web-based platform – you only need an internet connection and login credentials to access your account.

4. Who can use PawTrack?

PawTrack is designed for pet owners, veterinary staff, and administrators. Each has different access levels to ensure security and privacy.

5. How secure is my information?

Your data is protected with encryption, role-based access controls, and secure login authentication to prevent unauthorized access.

9. I forgot my password. How do I reset it?

Simply go to the login page and click "Forgot Password." Follow the instructions to reset your password securely.

10. Can administrators monitor system activity?

Yes. Administrators have access to audit logs that record all major system events, including login attempts and data changes.

11. Is PawTrack only for dogs and cats?

No. PawTrack works with any pet that has a compatible RFID microchip.

1. Vet View

- The system must display veterinarian details (name, role, employee ID, clinic branch, contact number, email, specialization, license number, and years of experience).
- The profile must be accessible only after login.
- The "Log Out" button must properly redirect the user back to the login page.
- A search bar must allow veterinarians to search for pets using the microchip number.
- The system must validate the input to ensure it accepts only valid microchip formats.
- If a microchip number is not found, the system must display a "No Records Found" message.

2. Editables (Pet Records)

- The system must display complete pet information (name, species, breed, gender, age, weight, color/markings, microchip number).
- Veterinarians must be able to update vaccination history, add medical records, and write notes.
- A "Generate Medical Report" function must create a downloadable file.
- The "Email the Owner" function must allow veterinarians to send updates directly.

3. Admin View

- a. The system must allow admins to add, edit, and manage user accounts (Veterinarian, Pet Owner, Administrator).
- b. User information must include name, email, role, and ID.
- c. “Manage Users” and “Edit User” functions must be accessible only to administrators.
- d. The system must display logs of all user activities with the following fields: Date & Time, User, Role, Action, and Status.
- e. Logs must include successful and failed actions.
- f. Logs must be searchable by user name, email, or ID.

Acceptance Criteria: Entity Relationship Diagram (ERD)

Entities

1. User Entity

- a. Attributes: UserID (PK), Email, Password (hashed), First Name, Last Name, Contact Number, Address, Role (Admin/Staff/Customer).
- b. Supports role-based access for different user types.

2. Pet Entity

- a. Attributes: PetID (PK), Name, Species, Breed, Age, OwnerID (FK), MicrochipID (FK), Vaccination History, Medical Records.
- b. Each pet is linked to exactly one owner but may have multiple health records.

3. Microchip Entity

- a. Attributes: MicrochipID (PK), ChipCode, Status.
- b. Each MicrochipID must map uniquely to one Pet.

4. Audit Log Entity

- a. Attributes: LogID (PK), UserID (FK), Action, Timestamp, Details.
- b. Records all security-related events (login, profile update, admin actions).

5. Report Entity

- a. Attributes: ReportID (PK), AdminID (FK), ReportType, DateGenerated.

- b. Links system data (users, pets, transactions) into summary outputs.
-

Relationships

- 6. One **User** can own many **Pets** (1:N).
 - 7. Each **Pet** has exactly one **Microchip** (1:1).
 - 8. One **User** (Admin role) can generate multiple **Reports** (1:N).
 - 9. Each **Audit Log** entry is linked to one **User** (N:1).
-

Constraints

- 10. All entities must have defined primary keys.
- 11. Foreign key relationships must enforce referential integrity (e.g., deleting a User cascades to related Pets, logs remain intact).
- 12. Each attribute must have proper data types (e.g., Email = VARCHAR, Timestamp = DATETIME).
- 13. Sensitive data such as passwords must not be stored in plain text.
- 14. Database must support real-time synchronization across branches.