

The fuzzyfi Care App connects pet owners with veterinarians to simplify scheduling, manage pet health reminders (vaccinations, deworming), and handle emergency alerts. The app allows pet owners to book appointments, receive reminders, and contact vets in case of emergencies.

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## Functional Requirements

- **Appointment Scheduling:** Pet owners can book appointments through the app, and the vet gets notified.
  - **Reminders:** The app sends reminders for vaccinations, deworming, and appointments.
  - **Emergency Alerts:** Pet owners can send urgent alerts to veterinarians.
  - **Calendar:** A built-in calendar tracks appointments and health events.
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## Use Case Diagram

Shows interactions between:

- **Pet Owner:** Books appointments, views calendar, receives reminders, sends emergency alerts.
  - **Veterinarian:** Receives appointment requests and reminders.
  - **Admin:** Manages scheduling, reminders, and emergencies.
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## Sequence Diagrams

- **Booking Appointment:** Pet owner selects a time slot, admin sends request to vet, vet confirms, and admin notifies the owner.
  - **Sending Reminder:** Admin checks schedules and notifies the owner of upcoming events.
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## Class Diagram

Defines the main classes:

- **PetOwner:** Books appointments, receives reminders, sends emergency alerts.
- **Veterinarian:** Confirms appointments, receives emergency alerts.
- **Appointment:** Manages date, time, and notifications.
- **Reminder:** Sends notifications for pet health events.
- **Calendar:** Tracks events like vaccinations and deworming.

- **Emergency:** Handles urgent alerts.
  - **Admin:** Manages appointments, reminders, and emergencies.
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## **Conclusion**

The fuzzyfi Care App streamlines pet health management by automating reminders, scheduling appointments, and enabling quick communication with vets in case of emergencies.