

Veterinary Clinic Management System.

Group 6

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Problem Statement

The **Veterinary Clinic Management System** is designed to enhance clinic operations, providing seamless and efficient care for pets. It acts as a bridge connecting veterinarians, pet owners, and clinic administrators. The system delivers the following core functionalities:

- Veterinarians can manage appointments, update medical records, and administer treatments efficiently.
- Pet Owners have the ability to schedule appointments and view their pets' medical history.
- Administrators manage records of veterinarians, pets, and owners, ensuring smooth and organized clinic operations.

Use Cases

- Login
- Schedule a Veterinary Appointment
- View Pets Medical Record
- Add a new Pet
- Update Pet Medical Record

Validation Checks

- **User Login Validation:** The `validateUserLogin()` method is responsible for verifying the user's credentials by mapping the entered email and password against the stored values to ensure they match.
- **Email Validation:** The `LoginForm` method uses the `isValidEmail()` function, which applies a regular expression (regex) to validate the format of the provided email address, ensuring it conforms to the standard email structure.
- **Date and Time Validation:** The `dateValidation()`, `timeValidation()`, and `dateTimeValidation()` methods ensure that the input date and time strictly adhere to the `MM/dd/yyyy hh AM/PM` format, rejecting any values that do not match this pattern.
- **Appointment Availability:** The system validates appointment dates and times to confirm that they are available in the `scheduleAppointment()`
- **Prompt Validator:** The `intInputValidator()` method enforces strict input handling by restricting users to selecting only valid options. Any invalid input triggers an error.
- **Slot Availability for Appointments:** The `scheduleAppointment()` method checks the availability of slots by validating the selected date and time. If no available slots exist (i.e., the date is null), the system will prompt for a reschedule.

Conclusion - Main Points

- When building the veterinary clinic management system, we divided it into modules that handle different aspects (appointments, client data, medical records). This modular approach mirrors how the mind operates on different levels during TM. We move from surface consciousness to deeper layers leading to mental clarity.
- The system's design and functionality can reflect principles of consciousnesses through user interaction. Each user (pet owners, veterinarians, and administrators) has a unique experience based on their role, similar to how individuals in TM experience distinct states of awareness during meditation. The system's customized dashboard for each user can facilitate a deeper engagement, mirroring how TM encourages practitioners to explore their inner consciousness and personal experience.