# Canine Cloud 9 Booking and Customer Management App

## Project Overview

The Canine Cloud 9 Booking and Customer Management App is designed to help a pet grooming business, Canine Cloud 9, efficiently manage its bookings, client information, and pet details. The app will enable the business to store client data, track pet details, and manage grooming appointments seamlessly, providing an organized and user-friendly solution for handling everyday operations.

## Key Components

### 1. Customer Management

Description: This feature allows the business to store and manage client information, including names, contact information, and addresses.

Key Functions:

* • Add, update, and delete customer details.
* • Search for clients by name or contact information.

Benefit: Keeps customer information centralized and accessible for easy communication and booking.

### 2. Pet Management

Description: Tracks information for each pet associated with a customer, such as the pet’s breed, age, and special grooming requirements or health considerations.

Key Functions:

* • Add, update, and delete pet details.
* • Link each pet to a customer for accurate record-keeping.
* • Store notes on pet preferences, allergies, or behaviors.

Benefit: Ensures groomers have the information they need for each pet, improving service quality and safety.

### 3. Appointment Booking

Description: Allows for scheduling, viewing, and managing grooming appointments.

Key Functions:

* • Schedule new appointments with date, time, and service type (e.g., grooming, nail trim).
* • View and modify upcoming appointments.
* • Mark appointments as scheduled, completed, or canceled.

Benefit: Streamlines the booking process, helping the business manage its schedule and track client visits efficiently.

## Technical Features

### 1. Graphical User Interface (GUI)

Framework: Built using a Python GUI library like Tkinter to make the app user-friendly and accessible.

Layout: Separate views for managing customers, pets, and appointments, with options for adding, editing, and viewing records.

### 2. Data Management

Collections: Uses lists, dictionaries, or arrays to store Customer, Pet, and Appointment objects in memory.

Optional Database: For persistent storage, the app could integrate SQLite to save data between sessions.

### 3. Class Structure

* • Customer Class: Stores customer details and methods for retrieving or updating customer information.
* • Pet Class: Stores pet-specific information and links each pet to a Customer.
* • Appointment Class: Manages booking details, linking each appointment to a Customer and Pet, and tracking appointment status.

## Example Workflow

1. 1. Register a New Customer: Add a client’s details, including contact information.
2. 2. Add a Pet: Register the client’s pet details, including breed and grooming notes.
3. 3. Book an Appointment: Schedule a grooming session, select the service type, and assign it to the pet and customer.
4. 4. Manage Appointments: View upcoming appointments, update statuses, or reschedule as needed.

## User Benefits

* • Organized and Centralized Data: Reduces the need for paper records and manual scheduling, keeping client and pet information in one place.
* • Improved Client Experience: Quick access to pet details allows for better service, and automated appointment tracking prevents overbooking.
* • Efficient Workflow: Simplifies managing bookings, enhancing productivity and helping groomers focus on providing quality services.

<https://github.com/seal-i/SDEV-220-Final-Project.git>

[School Project | Trello](https://trello.com/b/YBZWHPFk/school-project)