Group 6:
Dela Cruz, Ethan Iago
David, Don Miguel
Daylag, Kian
Hernandez, Jakob

CCINFOM S-18
Database App Project Proposal

1. Why is this Database System important to be developed?
   1.1. A database system is important for a pet daycare business as it will efficiently handle the complex relationships between pets, owners, services and inventory stocks, ensuring a clean data management and cross-referencing that Excel cannot provide. This will enable multiple employees to access and update information in real time, improving service efficiency and customer queries. Furthermore, it automates inventory tracking, ensuring stock is managed properly, which is crucial for maintaining day-to-day operations. A centralized database enhances scalability and guarantees data consistency.

2. Records Management
   2.1. Service Record Management
        Service (ServiceID, ServiceName, Availability, Price)
        2.1.1. **Viewing**: Specific service record. Assigned to Dela Cruz, Ethan

   2.2. Pet and Owner Record Management
        Owner (OwnerID, OwnerName, ContactInfo, City, Street, Postal Code)
        Pet (PetID, PetName, Breed, Age, HealthInformation, (FK) OwnerID)
        2.2.1. **Viewing**: Specific owner and pet record. Assigned to Daylag, Kian Carl

   2.3. Appointment Record Management (Appointment ID, Appointment date, PetID(FK), Pet name, Service ID(FK), Employee ID(FK))
        2.3.1. **Viewing**: Specific appointment record and the list of services associated with the appointment. Assigned to Hernandez, Jakob

   2.4. Product and Inventory Record Management: **Product** (Product ID, Product_Name, Price, Description) **Inventory** (Invetory_ID, (FK) Product_ID, Stock_Quantity, Supply_Date) **Sales_Transaction** (Transaction_ID, (FK) Product_ID, Quantity_Sold, Sale_Date, Total_Price)
        2.4.1. **Viewing**: Specific product record and inventory status. Assigned to David, Don

3. Transactions
   3.1. Veterinarian Healthcare Services Transactions (Appointment, Owner, Pet, Services Records) Assigned to Dela Cruz, Ethan
        3.1.1. Booking an appointment for a health service
        3.1.2. Recording the service provided (e.g., check-up, vaccination)
        3.1.3. Updating pet's health information

3.1.4. Billing the owner for the healthcare service

3.2. Pet boarding (Owner, Pet, Service (Boarding), Product Records) Assigned to Daylag, Kian Carl

3.2.1. Booking a boarding service for a pet

3.2.2. Record check-in and check-out day

3.2.3. Billing the owner based on the duration of the stay and any additional services

3.3. Product supplies (Product Inventory, Owner, Sales Transaction Records) Assigned to David, Don

3.3.1. Sales on products (e.g., shampoo, accessories, food, toys)

3.3.2. Updating product inventory

3.3.3. Recording the sale in the owner's transaction history

3.4. Grooming Services (Appointment, Pet, Owner, Grooming Services Records) Assigned to Hernandez, Jakob

3.4.1. Booking an appointment for grooming services for a pet

3.4.2. Checking availability and recording the specific grooming services (e.g., nail trim, packages, haircut)

3.4.3. Update the pet's grooming history and health information

3.4.4. Billing for grooming services and updating the owner's billing record.

4. Reports to be Generated

4.1. Veterinarian Services Report - Assigned to Dela Cruz, Ethan

4.1.1. **Details**: Report on the number of visits to the veterinarian, as well as the amount of times each owner has visited.

4.1.2. **Data Sources**: Service record and appointment record

4.1.3. **Time Dimension**: Daily or Monthly.

4.2. Pet Boarding Utilization Report - Assigned to Daylag, Kian Carl

4.2.1. **Details:** Report number of pets per day and their check in and check out dates.

4.2.2. **Data Sources:** Service record, pet record and owner record.

4.2.3. **Time Dimension:** Daily or monthly

4.3. Product Sales and Inventory Report - David, Don

4.3.1. **Details:** Report on the number of sales per day, updating inventory status of products.

4.3.2. **Data Sources:** Product sales and records and inventory status management

4.3.3. **Time Dimension:** Weekly

4.4. Pet Grooming Services Report - assigned to Hernandez, Jakob

4.4.1. **Details:** Report on the number of grooming services provided, including frequency and type of service.

4.4.2. **Data Sources:** Grooming service records and appointment records.

4.4.3. **Time Dimension:** Monthly or yearly