**Overview**

The Happy Tails Animal Shelter Donation Management Application is a Vue.js web application designed to manage donations for an animal shelter. It allows users to add, edit, delete, and view donations, along with filtering capabilities based on donation types and viewing summarized statistics. The application stores donation data in the web browser's local storage, allowing data persistence across browser sessions.

**Components**

**1. DonationForm.vue**

* **Purpose:** Allows users to input details for a new donation or edit existing ones.
* **Props:**
  + **initialDonation**: The donation object to be added or edited.
* **Emits:**
  + **save**: Emits the donation object when the user saves a new or edited donation.
* **Key Features:**
  + Form fields for donor's name, donation type, amount, and date.
  + Dynamically changes the button label between "Save Donation" and "Update Donation" based on the mode (add/edit).

**2. DonationList.vue**

* **Purpose:** Displays a list of all donations.
* **Props:**
  + **donations**: An array of donation objects to display.
* **Emits:**
  + **edit-donation**: Emits the donation object to be edited.
  + **delete-donation**: Emits the ID of the donation to be deleted.
* **Key Features:**
  + Lists each donation with options to edit or delete.

**3. DonationStats.vue**

* **Purpose:** Displays statistics for donations and allows filtering by donation type.
* **Props:**
  + **donations**: An array of all donation objects for statistics calculation.
* **Emits:**
  + **filter**: Emits the selected filter type for donations.
* **Key Features:**
  + Dropdown to filter donations by type.
  + Displays total amount and count of donations based on the selected filter.

**4. DonationView.vue**

* **Purpose:** Main component integrating **DonationForm**, **DonationList**, and **DonationStats**.
* **Key Features:**
  + Manages the addition, editing, deletion, and filtering of donations.
  + Orchestrates the interaction between child components.