# **Executive Summary**

1. Show the owner of the pet (possibly none or 1)

By clicking a specific "Owner" button, the current owner of the pet will be shown.

- updated src/js/app.js:modified markAdopted(), handleAdopt(), initContract()
- updated contracts/Pets.sol for new data structure to support new functions: added create(), idExists(), idFind(); modified adopt(), getPets()

## 2. Up/down vote a pet

By clicking the "Up Vote" or the "Down Vote" button, the user can up/down vote a pet, the current vote number will be reflected immediately.

- updated src/js/app.js:
  added markVotes(), handleUpVote(), handleDownVote();
  modified init(), bindEvents()
- updated **contracts/Pets.sol**: added upVote(), downVote()

#### 3. Return a pet

By clicking the "Return" button, the user can return an adopted pet.

- updated contracts/Pets.sol to support pet return: added returnPet()
- updated src/js/app.js: modified init(), bindEvents(), markAdopted() to support the behaviour of "Return" button; added handleReturnPet() to return the pet for a fee
- updated **index.html** to support the "Return" button

### 4. Adoption histories

By clicking the "Adoption History" button, the user can view the adoption history.

- updated src/js/app.js: modified markAdopted() to support the behaviour of " Adoption History" button; added handleReturnPet() to return the pet for a fee
- updated **index.html** to support the "Adoption History" button.

# 5. Track the number of adopted pets and served customers

The number of served customers and adopted pets is placed under the title of the

Pet Shop, allowing the user to know the popularity of the shop.

- updated contracts/Pets.sol: added addCust() to track customers,
  trackPet() and trackCust() to get how many customers have been served
  and how many pets adopted
- updated src/js/app.js: add markPets(), markCusts() to support the
  behavior; modified markVotes() handleAdopt() to trigger the behaviour
- updated **index.html** to support information display