

Final Project : Lost + Found

Team PACK : Patrick C., Ayman A., Celine Y., Kevin Z.

I. Directory Structure

- app.py
- /utils/
 - database.py
 - func.py
- /templates/
 - home.html
 - base.html
 - lost.html (extends base)
 - found.html (extends base)
- /data/
 - discobandit.db
- /static/
 - /js/
 - lost.js
 - found.js
 - home.js
 - /css/
 - style.css
 - /bootstrap/
 - bootstrap.min.css
 - jQuery.min.js

II. File Functionality

app.py - Used for routing

- main() : initialize the Flask app.

database.py - Used to read from and write to database.

- clone() : initialize the database.
- pull() : get information from the database.
- push() : commit new changes to the database.

func.py - Used to do everything else that we need. Mostly wrapper functions for now.

- getListOfPetsFound() : gets the list of pets that were found by users. Wrapper function for database.pull()
- getListOfPetsLost() : gets the list of pets that were lost by users. Wrapper function for database.pull()

- `addToPetsFound()` : adds a new entry to the list of pets found, and also commits the changes to the database.
- `addToPetsLost()` : adds a new entry to the list of pets lost, and also commits the changes to the database.

home.html - Homepage. The first page that the user sees when they enter our site.

base.html - Base template for **lost.html** and **found.html**.

lost.html - If a user has lost a pet, they get sent to this page after they press a button on the homepage. This will have a form for information the user would like to provide, and a self-adjusting list of found pets along the bottom, so the user can try to find a match.

found.html - If a user has found a pet, they get sent to this page after they press a button on the homepage. This will have a form for information the user would like to provide, and a self-adjusting list of lost pets along the bottom, so the user can try to find a match.

discobandit.db - sqlite3 database file.

lost.js - js responsible for adjusting list, and prompting user when he/she has found a match.

found.js - similar js to **lost.js**

home.js - js, if any needed, for the homepage.

/css/ - Styling.

III. Routing

Root ("/") :

- Routes to **home.html**

Lost ("/lost/") :

- Routes to **lost.html**

returnLost ("/returnLost/") :

- //For when match is found
- Removes the match from database.
- Allows user to email pet founder.
- Routes to **home.html** afterwards

submitLost ("/submitLost/") :

- //For when match is not found
- Adds user's pet + email info to the database.
- Routes to **home.html** with message.

Found ("/found/") :

- Routes to **found.html**

returnFound ("/returnFound/") :

- //For when match is found.
- Removes the match from database.
- Allows user to email lost pet owner.
- Routes to home.html afterwards.

submitFound ("/submitFound/") :

- //For when match is not found.
- Adds user's pet + email info to the database.
- Route to home.html afterwards.

IV. Database Schema

ListOfPetsFound :

- **founderEmail** : Email of the person who found the pet.
- **location** : location of where the pet was found.
- **petType** : type of pet / species (Ex. Dog)
- **color** : coloring of pet, if any.
- **eyeColor** : eye color of the pet.
- **img** : image that was uploaded by the user, if any.
- **description** : additional description details written by the user.

ListOfPetsLost :

- **ownerEmail** : Email of the person who lost the pet.
- **location** : location of where the pet was lost.
- **petType** : type of pet / species (Ex. Cat)
- **color** : coloring of pet, if any.
- **eyeColor** : eye color of the pet.
- **img** : image that was uploaded by the user, if any.
- **description** : additional description details written by the user.

V. Work Division

Project Manager : Kevin

Frontend (CSS) : Ayman

Frontend (JS) : Celine

Backend : Patrick

VI. Timeline

01/06/2017 Friday - Design Finalized

01/09/2017 Monday - Begin work on database.py and app.py.

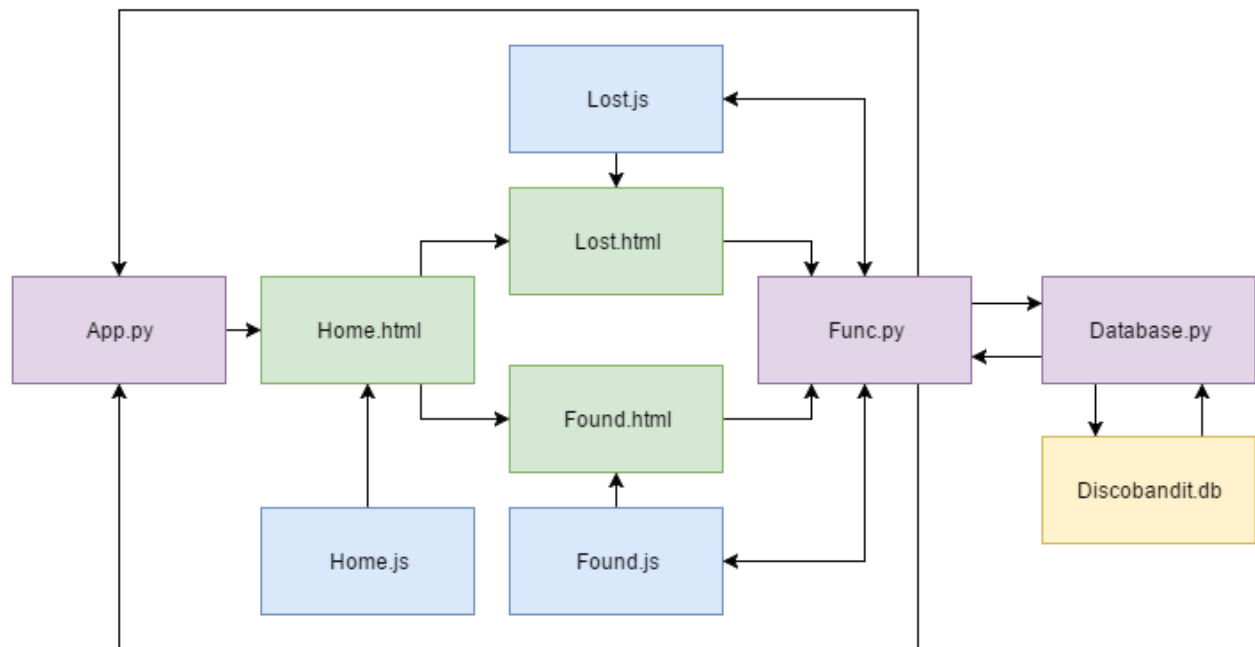
Home.html, along with complementary CSS, should be finished.

01/13/2017 Friday - Finish database.py, app.py and func.py.
Found.html and lost.html should also be finished. Begin to put everything together.

01/16/2017 Monday - Minimum working edition of project. Begin work on implementing additional features, if necessary. If project still does not work, continue debugging.

01/??/2017 ???? - Present Project.

VII. Component Map



VIII. Site Map

