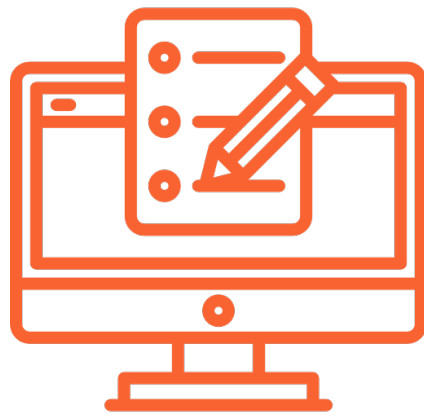


LOST MY PET



ANALYSIS OF FUNCTIONAL REQUIREMENTS

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GENERAL REQUIREMENTS OF THE SYSTEM

FUNCTIONAL REQUIREMENTS

- All users are welcomed with the home page/screen.
- All users can view lost/found pets catalogue.
- All users can register.
- All users already registered can login.
- Registered user can edit their account in secure area.
- Registered user can delete their account in secure area.
- Registered user can place a new announcement for lost pet.
- Registered user can place a new announcement for found pet.
- Registered user can update their announcement.
- Registered user can delete their announcement.
- Registered user can send a message (contact) to the owner of the announcement.
- The system should send a notification to members about lost or found pet in the area where the member lives.
- Registered user can report an announcement to the administrator.
- Have separate access facilities for users and administrators.
- Administrators can generate the lost and found pet report.

NON-FUNCTIONAL REQUIREMENTS

- The web version needs to be compatible with old and up-to-date browsers.
- The web version needs to be responsive design for multiplatform such as phone, tablet and desktop/laptop computers.
- The mobile version needs to be compatible with currently most popular Android platform API version (6.0 Marshmallow).

MAIN SYSTEM INTERFACE

1. Main Page – welcome screen
2. Contact
3. Post Announcement:
 - a. Missing Pet
 - b. Found Pet
4. View pets:
 - a. View lost pets
 - b. View found pets
5. Login
6. Register
7. Account (member's dashboard)
 - a. Edit Account Details (Edit/Update/Delete)
 - b. Edit announcements – lost and found pet(s) list(Edit/Update/Delete)
 - c. Messages
 - d. Notifications
8. Admin Panel (dashboard)
 - a. Create a new Administrator account
 - b. Users List (View/Delete)
 - c. Announcements List (View/Delete)
 - d. Member's Reports
 - e. Generate reports
9. Log out (after log in)

INPUT PERMISSIBLE

- Register: first name, last name, location, email, password, confirm password
- Login: email, password
- Edit user account details: first name, last name, location, email, password, confirm password, delete
- Message System: replay for the message
- Post lost pet: pet name, type, location, missing date, breed, gender, picture, colour, age, is pet chipped, does the pet have a collar, description
- Edit lost pet announcement: pet name, location, missing date, breed, gender, picture, colour, age, is pet chipped, does the pet have a collar, description
- Post found pet: type, location, found date, breed, gender, picture, colour, description
- Edit found pet announcement: location, found date, breed, gender, picture, colour, description
- Found/Lost pet announcement: report to admin, contact with owner
- Found/Lost pet catalogue:
 - filter by: pet type, location
 - sort by: missing date, date added
- Admin login: username, password
- Admin registration: username, password, confirm password
- Admin users list: view, delete
- Admin announcements list: approve, delete
 - filter by: pet type, location, announcement moderated (enabled)
- Admin reports: from date, to date, lost pets, found pets, document type (PDF, Excel) announcement moderated (enabled), location

ERROR MESSAGES

- Login:
 - Enter a valid email address
 - Fill out this field
 - Invalid Email or Password
- Register new account
 - First name should only contain letters from 3 to 30 characters
 - Last name should only contain letters up to 30 characters
 - Enter a valid email address
 - User already registered with the email provided
 - Invalid confirmation (token) link
 - Password must be at least 6 characters
 - Passwords don't match
- Change password
 - Field cannot be empty
 - Password must be at least 6 characters
 - Passwords don't match
 - Current password is invalid
- Reset Password
 - Enter a valid email address
- Write a message (conversation)
 - Message cannot be empty
 - Use at least 5 characters
- Report suspicious announcement
 - Message cannot be empty
 - Use at least 5 characters
- Post or update an announcement:
 - Select pet type
 - Pet name should only contain letters from 3 to 10 characters
 - Pet age must be less than or equal 30

FORM LAYOUTS

CHART №: 3A - MISSING PET

Pet type

Dog

Cat

Pet breed

Please select pet type first

What is your pet's name?

Pet name...

How old is your pet?

Pet age...

What sex is your pet?

Male

Female

Unknown

Is your pet chipped?

NO

Does your pet have a collar?

NO

Where was your pet lost?

Select one...

What date?

Chose a date

What colour(s) is the pet? (select max 4)

Black

Brown

Ginger

Golden

Grey

Lilac

Liver

Tan

White

Upload Pet Photo

Details description

Please give us much detail as possible: E.g. distinguishing features, patterns, temperament, approximate size, weight or circumstances, etc...

255 characters remaining

Add a report

CHART №: 3B - FOUND PET

Pet type

Dog

Cat

Pet breed

Please select pet type first

What sex is the pet?

Male

Female

Unknown

Is the pet chipped?

NO

Does the pet have a collar?

NO


Where was the pet found?


Select one...


What date?


Chose a date


What colour(s) is the pet? (select max 4)


Black


Brown


Ginger


Golden

Grey

Lilac

Liver

Tan

White

Upload Pet Photo

Details description

Please give us much detail as possible: E.g. distinguishing features, patterns, temperament, approximate size, weight or circumstances, etc...

255 characters remaining

Add a report

CHART №: 5 - LOGIN

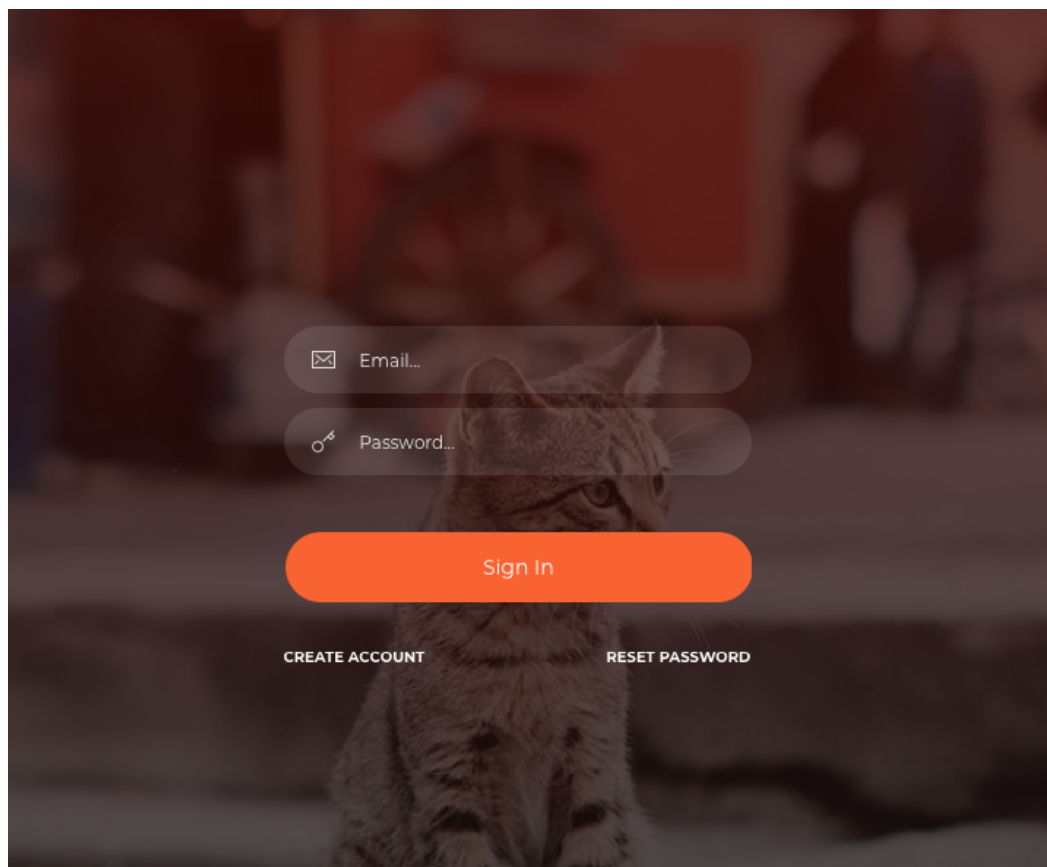
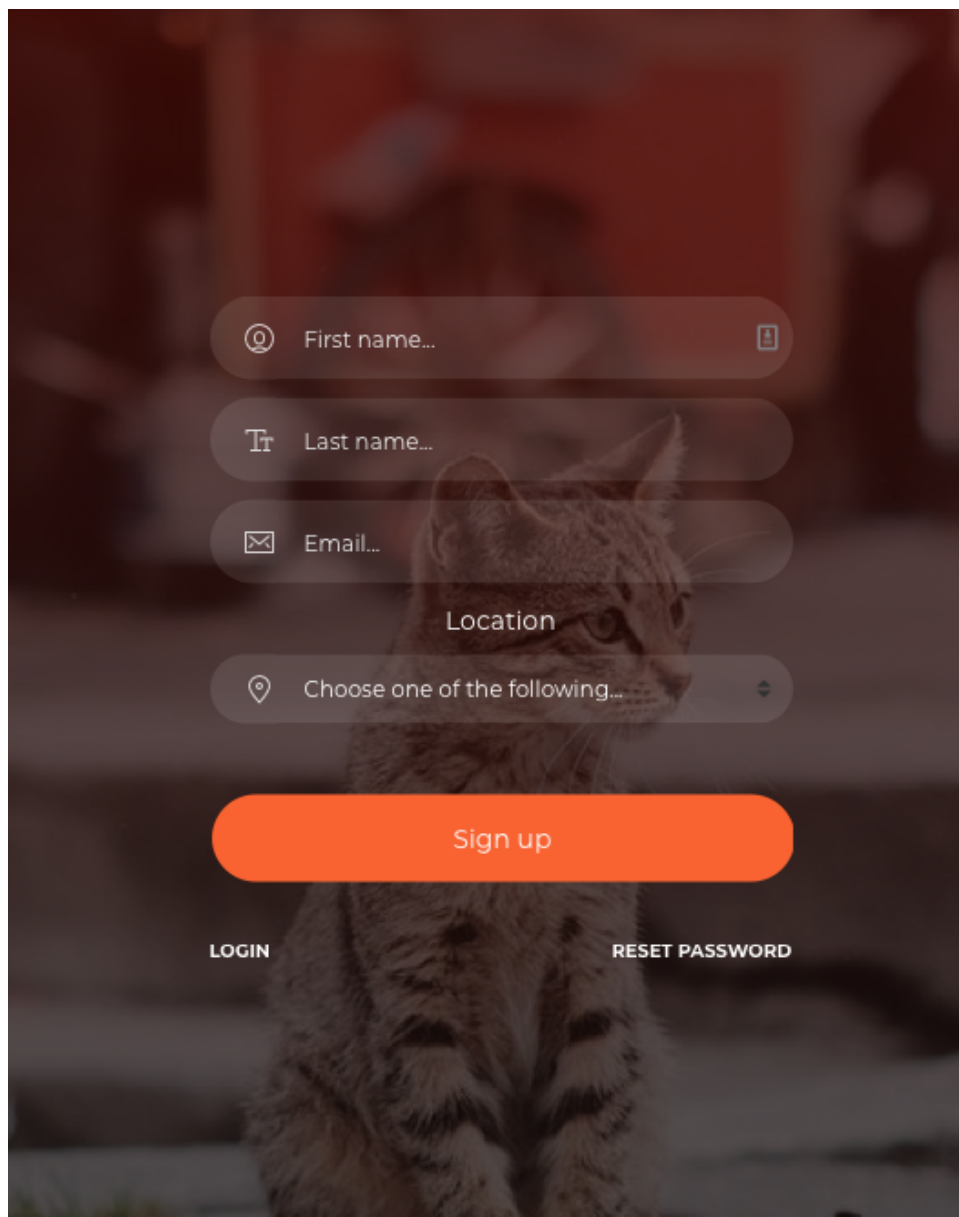


CHART №: 6 – REGISTER

A registration form is displayed over a background image of a cat. The form consists of several input fields with icons: a person icon for 'First name...', a text icon for 'Last name...', an envelope icon for 'Email...', a location pin icon for 'Location', and a dropdown arrow for 'Choose one of the following...'. Below these fields is a large orange 'Sign up' button. At the bottom, there are two links: 'LOGIN' and 'RESET PASSWORD'.

First name...

Last name...

Email...

Location

Choose one of the following...

Sign up


LOGIN

RESET PASSWORD

Your Details

 Bernardo 

 Futcher

 bfutcher6@cam.ac.uk

Location

 Chamberlain Hills 

Save changes

[CHANGE PASSWORD](#)

CHART №: 7B – EDIT ANNOUNCEMENTS

Pet type

Dog

Cat

Cat breed

Ragdoll

What is your pet's name?

Tr Samson

How old is your pet?

Paw Pet age...

What sex is your pet?

Male

Female

Unknown

Is your pet chipped?

NO

Does your pet have a collar?

NO

Where was your pet lost?

Oxenfurt

What date?

19/04/2018

What colour(s) is the pet? (select max 4)

Black

Brown

Ginger

Golden

Grey

Lilac

Liver

Tan

White

Upload Pet Photo

Details description

Please give us much detail as possible: E.g. distinguishing features, patterns, temperament, approximate size, weight or circumstances, etc...

255 characters remaining

Save changes

Send message to the owner

Subject:


Message:


1000 characters remaining


Close


Send a message

CHART №: 8A – CREATE A NEW ADMIN ACCOUNT


 First name...





 Last name...


 Email...

Type Password

 Password...



 Confirm Password...



Submit

CHART №: 8E – GENERATE REPORTS



Document type

Excel PDF

Announcements

All Lost Found

From date To date

 All before  All after



Pet type


All Cats Dogs

Moderation option

All Only Enabled Only Disabled

Location

 All locations 

 Download report