Meow - Adopt a Cat: a Mobile Application for helping homeless cats get a home

1. Short description

I've always been an animal lover, and it broke my heart to see so many cats living on the streets, without a warm and caring family to call their own. However, I also noticed that there was a significant gap in technology when it came to helping people easily connect with these cats and rescue organizations. I wanted to bridge that gap and make it simple for anyone, even those without a technical background, to browse and adopt a cat in need. 'Meow' is not just an app; it's a platform where people can discover heartwarming stories of these resilient cats and offer them a chance at a better life.

2. Domain details

Shortly, we should focus on our subject, the cat.
Story: name, breed, gender, age, health problems, description

- name: the cat's temporally name (after adoption the person might or not change the cat's name)
- breed: the specific breed or, if unknown, an indication of its appearance
- gender: whether the cat is male or female
- age: the cat's approximate age
- health_problems: any health issues or special needs the cat may have, if there is any
- description: a detailed and heartwarming description that highlights the cat's personality, interests, and needs, providing potential adopters with a genuine connection to each cat's story; this description is a key element in helping users make an informed and compassionate decision to adopt

3. CRUD

- When using "Meow", we want to be able to add a new cat to the list when we find a homeless one or if we have kittens and we cannot keep them. So, in order for this one to be adopted, we are thinking of a button, which redirects to a separate page. Here, we can enter all the necessary information for the cat and our personal email so, in this way people can reach us when they are adopting.

- We want to have the option of listing all the registered cats together. Here, we have for each item of list options for open details or edit details.

- Not every person is an expert in cats and some details like: breed, gender, age and health problems can be mistaken, reason why it is mandatory to give the user the possibility to modify the notes. We consider that a button for "update" is intuitive and by pressing it, the user will be redirected to a new page, in the same manner as for the "add" option, except the name and description cannot be modified.

- In order for a cat to be adopted you cannot delete it only if you take her/ him home. Because the purpose of this app is to help each animal is registered to be taken to their new

home. That's why when you adopt a cat it will happen a delete operation, because the information of that specific cat will not be in the list anymore.
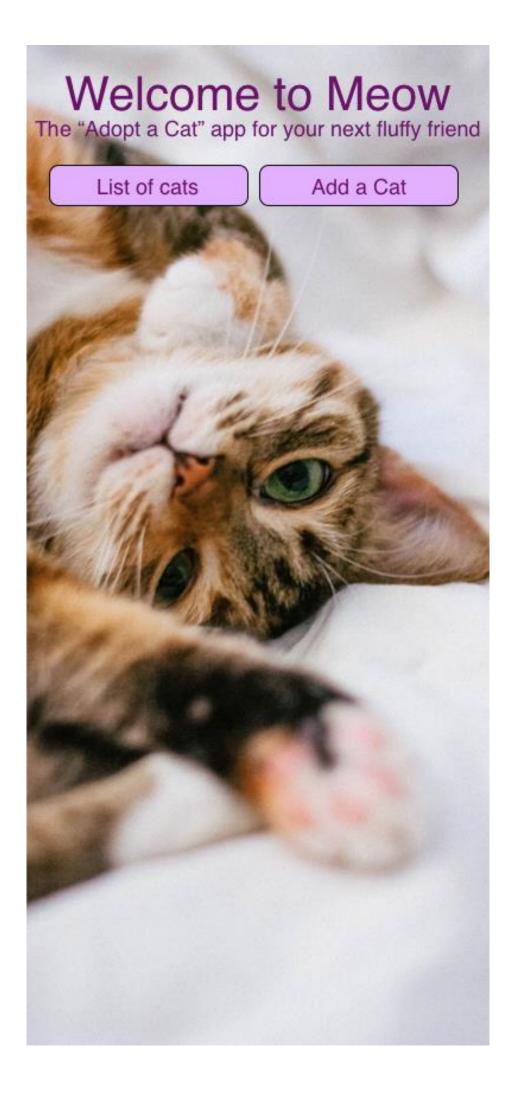
4. Persistence details

Ideally, all operations are persisted both on the local database + the server. The only difference between local and remote occur when the application goes offline.

- Create: Whenever a new entity is created, it is added both in the database and on the server.
- Read: When online, the application reads the entities from the server. When offline, it reads them from the database.
- Update: Whenever an entity is updated, the updates are transmitted both to the database and to the server.
- Delete: Whenever an entity is deleted, it gets deleted both from the database and from the server.

5. Details on what is happening when the device is offline.

- In this case, we want to develop an application which lets the user to add, remove and modify entries locally. In this way, changes will persist only locally in the database.

When the application is used offline, all the operations performed store the information locally:
- the entities created are stored in the local database
- the read operation is performed on the locally saved entities
- the update operation goes for the locally saved entities
- the delete operation is performed on the local database

When the application goes back online, all the changes on the local database are transmitted to the server. As long as there is no internet connection,
the notes are available only with the properties previously saved in the database.

Welcome to Meow

The "Adopt a Cat" app for your next fluffy friend

List of cats   Add a Cat

+ ADD cat img

Name

Breed

Gender

Age

Health
Problems

Description

Personal information

Email

ADD   CANCEL

Cats available for adoption

Please help our app by updating informations about cats if there is needed.

Name: Giselle
Breed: Ginger Tabby
Gender: Female
Age: 1 year

OPEN

EDIT

Name: Moxie
Breed: Bombei
Gender: Female
Age: 3 years

OPEN

EDIT

Name: Felix
Breed: Tabby
Gender: Male
Age: 7 months

OPEN

EDIT

Name: Joe
Breed: Persian
Gender: Male
Age: 1 year

OPEN

EDIT

Name: Charlie
Breed: Bengal
Gender: Male
Age: 5 months

OPEN

EDIT

MORE

Name

Giselle

Breed

Ginger Tabby

Gender

Female

Age

1 year

Health
Problems

None

Description

Gigi is a frendly cat that likes to play in the snow and eat fish. She is very scared of heights, but she loves to cuddle.

UPDATE

CANCEL

Name: Giselle
Breed: Ginger Tabby
Gender: Female
Age: 1 year
Health Problems: None
Description: Gigi is a frendly cat that likes to play in the snow and eat fish. She is very scared of heights, but she loves to cuddle.

Personal information

Name

Email

Phone

ADOPT   CANCEL