

Pets App

Description

"Pets app is an android app that makes everyone exchange pets, so if anyone needs to buy a pet, he can view the app and find another seller pet, he will see the description about the pet, picture and cost, also he can send a message on the app or call him to deal.

Intended User

The app will be for people who want to buy or sell their pets.

Features

List the main features of your app. For example:

- Sign Up
- Sign In
- Save information of buyer or seller
- Send message with Notification
- Upload picture (Gallery, Camera)
- Rating system

User Interface Mocks

Screen 1



The mockup shows a registration screen for an application named "P.e.t.s". At the top, there is a dark blue header with a globe icon and the text "P.e.t.s" on the left, and a three-dot menu icon on the right. Below the header is a yellow background. A large red circular button with the text "REGISTER HERE" is positioned at the top center. Below this is a light blue rounded rectangle containing the registration form. The form has five input fields, each with an icon on the left: a person icon for "Full Name", an envelope icon for "Email", a padlock icon for "Password", a telephone icon for "Phone Number", and a flag icon for "Country". Below these fields is a white "Sign Up" button. At the bottom of the form, there is a link that says "Already Have Account".

REGISTER HERE

Full Name

Email

Password

Phone Number

Country

Sign Up

! Already Have Account

this screen to create a new account and if he already have just click on button will show dialog to signIn

Screen 2



This main screen display all pets advertisement with their date and also display seller person with his rate, you can view his profile by click on his picture
you can see all specification of pet and seller contact by clicking on the card

Screen 3

P.e.t.s

Advertisement Creat AD

 Pet Name

 Age in Monthes

 Price in Pounds

Pet Type Dog

Gender Male

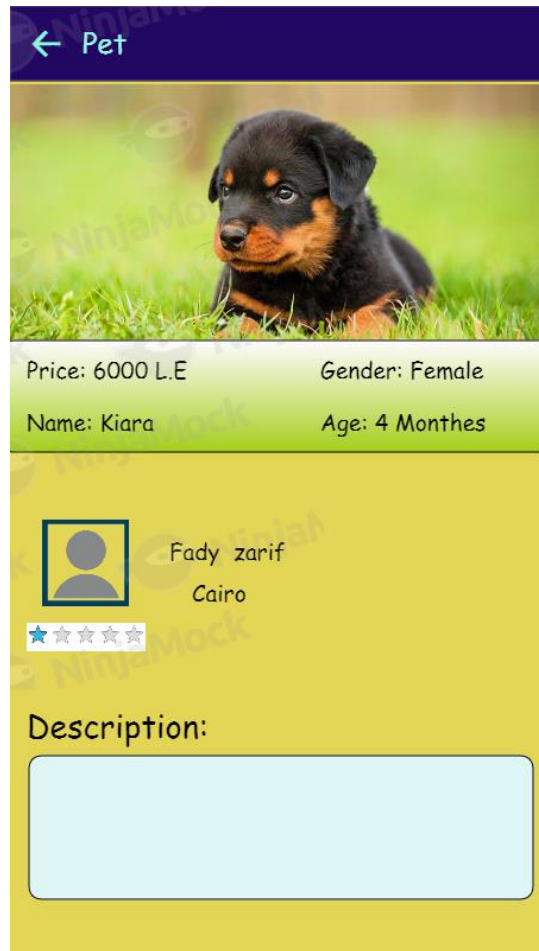
 Short Description

Pet Picture 

Share

This screen to create a new advertisement for your pet, also user will able to select pet picture from his gallery

Screen 4



This screen to see all specification and description of pet and seller contact info and his rate

If he want to see seller profile he can do that by clicking on his picture

Screen 5



← My Profile



Email: Example@gmail.com

Name: Fady Zarif

Phone: 012245484454

Submit Changes

This screen for user profile can edit info or change my Picture (Gallery or Camera)

Screen 6



This screen to show received messages from others with the date message sent

Screen 7



This screen to show seller profile >

- Picture (via Picasso Library)
- Name
- Rating
- Email

Enable to rate him only one time

Show his pets that he want to sell if user want to see details he can click on the card to see the pet specifications.

Widget



 P.e.t.s
Pet type
Pet Age
Pet Price
Pet type
Pet Age
Pet Price
Pet type
Pet Age
Pet Price

This widget will display latest pets advertisements

Key Considerations

How will your app handle data persistence?

I will use firebase Authentication to enable user create Account, will use firebase realTime database to save User data , Advertisement,

Will use Firebase Storage to save user Profile picture and pet image

Describe any edge or corner cases in the UX.

Will try to make UI simple to understand from the user,

- 1- will make a navigation drawer to make user easily navigate with pages,
- 2- viewPager with two tabs so he can navigate between two tabs easily
- 3- Swipe to refresh new Advertisements

I think one of important thing for user to see the pets live video to determine exactly that it is the pet that he wants but it will be difficult to upload video for seller and retrieve it for buyer that will affect the usability and speed performance of the app , so I will make seller to upload an Image that will make seller see the pet and will be easy to upload and retrieve so the app will keeps its usability and performance

Describe any libraries you'll be using and share your reasoning for including them.

Will use Picasso library to capture the Image and cache it

Bitmap.compress to compress pic before uploading to firebase storage

Describe how you will implement Google Play Services or other external services.

I will use Firebase to save all data of the application, and will retrieve them using a listener for changes and for any other data added

Also will use firebase Notification from firebase dashboard to send user any hints.

Also notification for new messages .

About App design specification.

I will use firebase job dispatcher to send Notification daily , also will make A widget to display latest pets advertisements

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and break them down into tangible technical tasks that you can complete one at a time until you have a finished app.

Task 1:

First I will start by splash screen that will be for 5 seconds then will start build Registration screen and Login Dialog

Task 2:

Will start Setup Firebase project and configure dependences for the android project then will connect android with firebase server, setup registration to able user to create a new account via Firebase Authentication, and his personal data will be saved in firebase database

Task 3:

Will start building Main screen that hold two tabs with first for advertisement and another one for create new AD, and will build navigation drawer Items
will start with create AD screen will take all pets data from users all will be saved in firebase , also will enable user to select pet Image from his gallery the image will be saved in firebase storage then will take a download link and save it in the same pet tree

Task 4:

Then will navigate to Advertisement will make a RecyclerView with Card that will display pets data so will create custom Adapter and will retrieve all advertisement from firebase with latest date so new will be in the top ,
create another screen to show the card details > all specification of the pet with owner contact info

Task 5:

Navigate to myProfile page that will contain my data that I will able to Update later
Image from gallery and Camera , Name , phone.
Will show the pic with Picasso library.
Also seller profile will contain his data and his rate
also will create an rate bar if anyone want to rate the seller (Only one time for the User)
Will show all his Pets and also he can click on card to see specifications

Task 6:

Will create an Message screen that will contain recycler view that hold all received messages with the date sent

Any user can send message from the profile of seller when he click send Notification will send to another one tell him about the message
