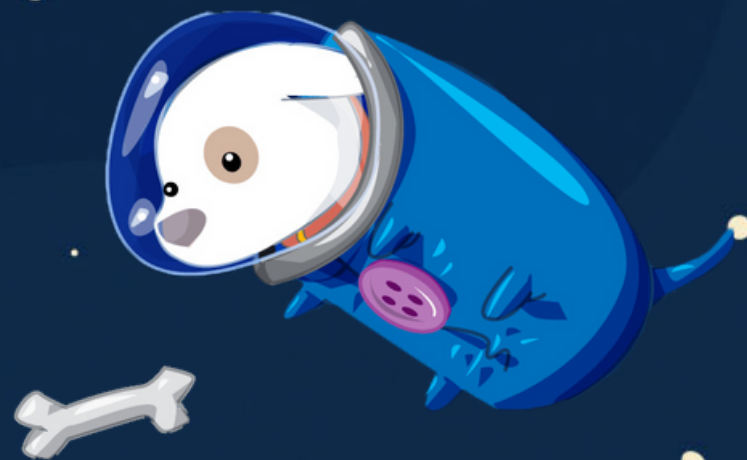
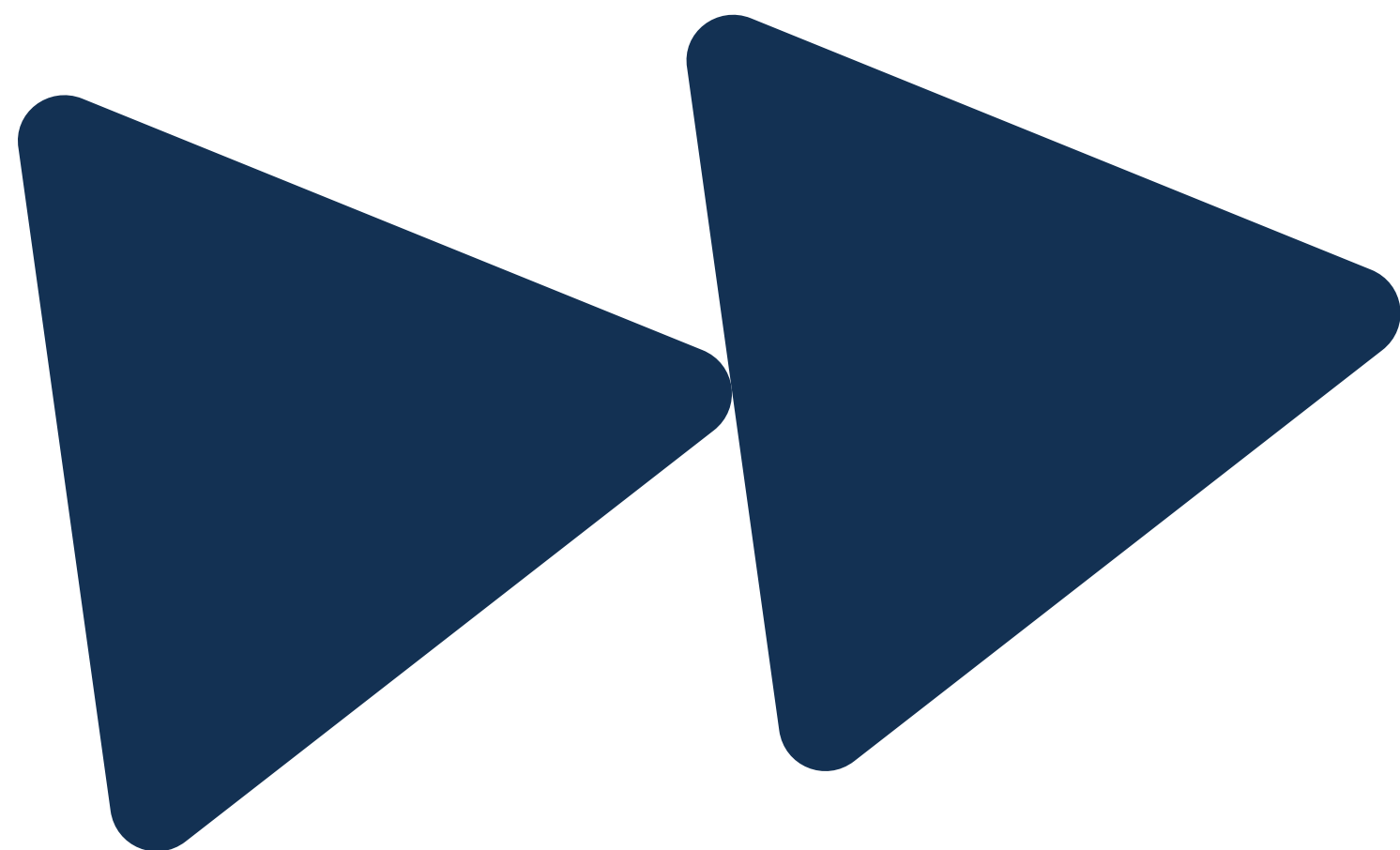


# zoio

Driving African Tech Innovation



# Property24 App Clone



zaio

# Note

Please make sure you have been placed into your team and have good clarity on how group upskilling at Zaio works. Bear in mind, one developer will build the mobile app, one developer for the web app, and one developer for the backend (API + database).

# Purpose Of Challenge

This challenge has been designed based on the feature requests Zaio has received in the past from clients. This challenge will be intense. However here are the things you will take away:



## Joy of Creation

You will realize the joy of creation and truly enjoy this art.



## Teamwork

You will be able to collaborate with others in industry style



## Upskilled

Validate that you can code the skills you select.



## Build Skills Profile

Unlock Paid Projects to prepare for full-time jobs ranging from 25-35k



## Soft Skills

Improved communication, time management, performance under pressure, conflict resolution.

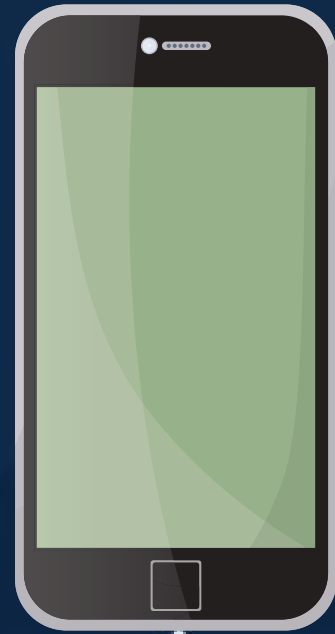


## Adaptable

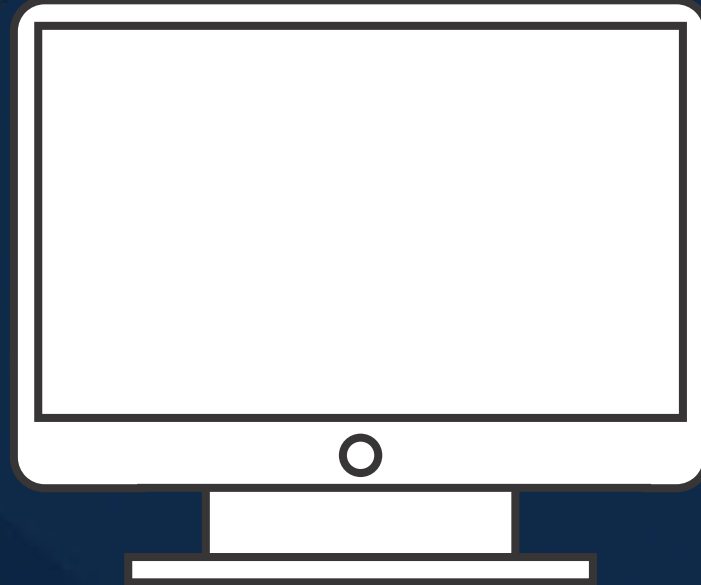
You will prove that you are adaptable and have learned how to learn ;)

# How does this work?

Your team will be expected to build the following:



Mobile App



Web App



Backend API



Database



The above is a recommendation using MERN stack (Mongo, Express, React & Node)

However, please feel free to use different stacks such as MEAN (Mongo, Express, Angular & Node)

Feel free to consider using other stacks such as C# .NET, and Python Django if you already have those skills, otherwise please follow the recommended MERN stack.





# Property Agent Mobile App



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# Agent Mobile App

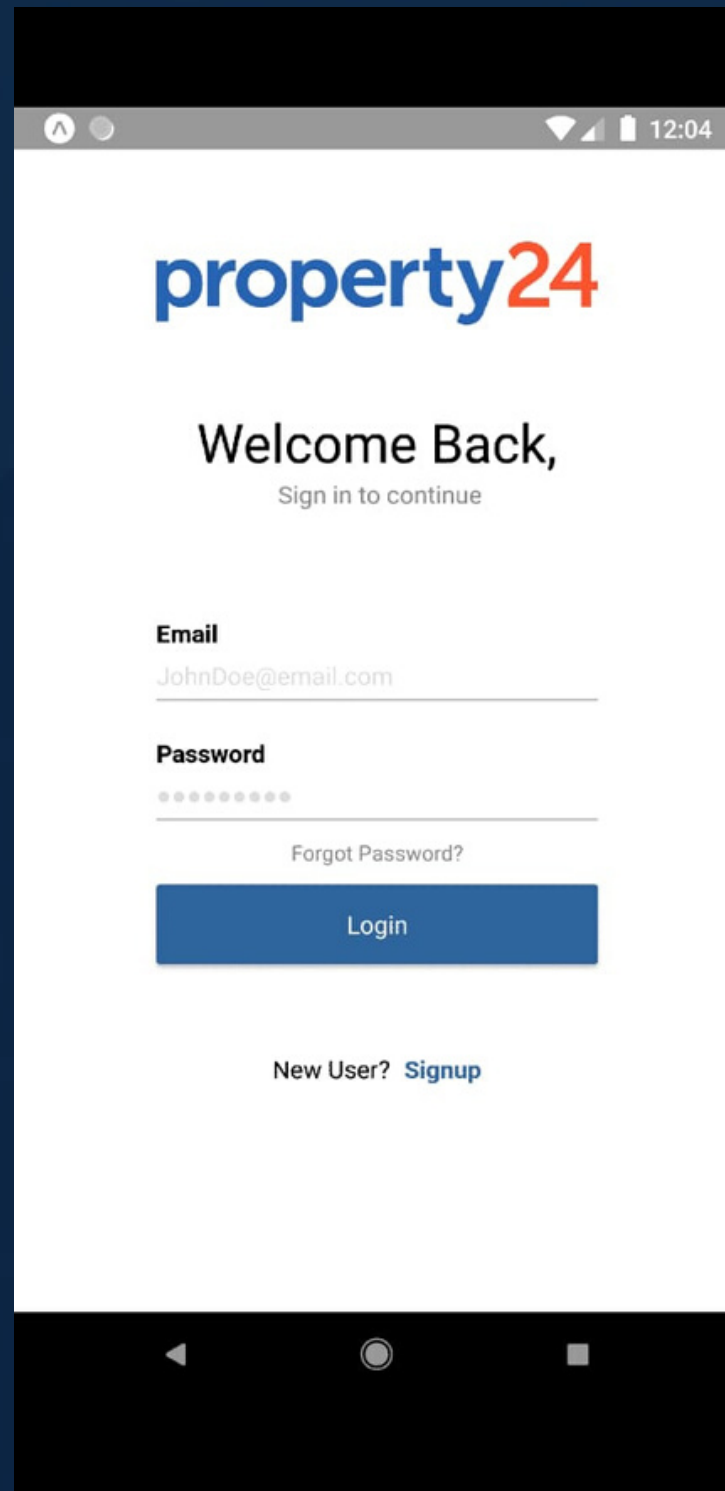
- In this app, an agent representative of a property such as Rawson Properties will
- be able to create accounts and create properties that can be viewed by potential customers in future.

Do create some sort of state management system eg. Use Redux if coding in React Native. A lot of react tutorials also go through Redux.

- Login & Register
- View created properties
- Edit past created properties
- Create a new property



# Login & Register Example Screens



The login screen for property24 features a white background with a blue header bar. The status bar at the top shows the time as 12:04. The property24 logo is centered at the top. Below it, the text "Welcome Back," is displayed, followed by "Sign in to continue" in a smaller font. The login form consists of two input fields: "Email" with the placeholder "JohnDoe@email.com" and "Password" with masked characters. A "Forgot Password?" link is positioned below the password field. A blue "Login" button is centered below the form. At the bottom, the text "New User? Signup" is displayed, with "Signup" as a blue link. The Android navigation bar is visible at the bottom.

property24

Welcome Back,  
Sign in to continue

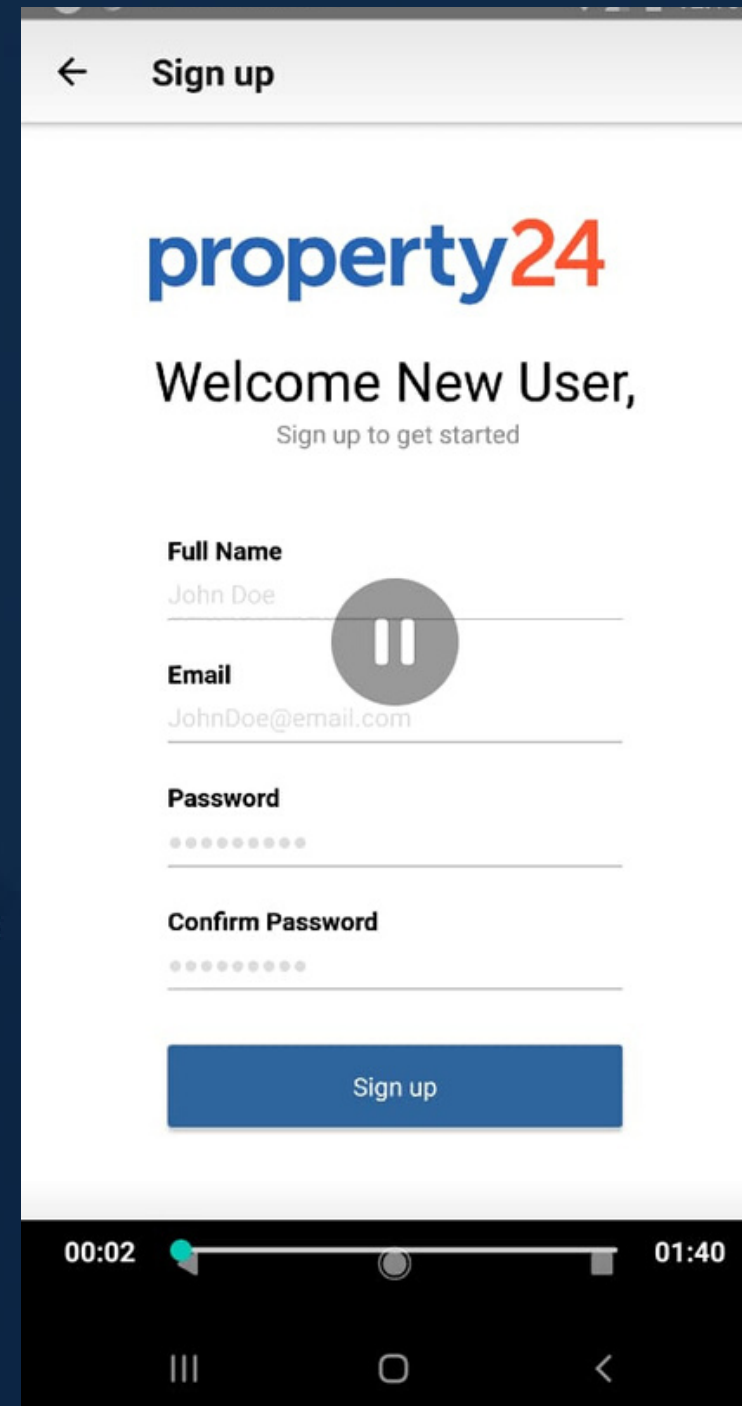
Email  
JohnDoe@email.com

Password  
.....

[Forgot Password?](#)

Login

New User? [Signup](#)



The sign up screen for property24 has a white background and a blue header bar. The status bar at the top shows the time as 01:40. The property24 logo is centered at the top. Below it, the text "Welcome New User," is displayed, followed by "Sign up to get started" in a smaller font. The sign up form includes three input fields: "Full Name" with the placeholder "John Doe", "Email" with the placeholder "JohnDoe@email.com", and "Password" with masked characters. A "Confirm Password" field with masked characters is located below the password field. A blue "Sign up" button is centered below the form. A circular profile picture placeholder with a pause icon is positioned to the right of the "Full Name" and "Email" fields. The Android navigation bar is visible at the bottom.

property24

Welcome New User,  
Sign up to get started

Full Name  
John Doe

Email  
JohnDoe@email.com

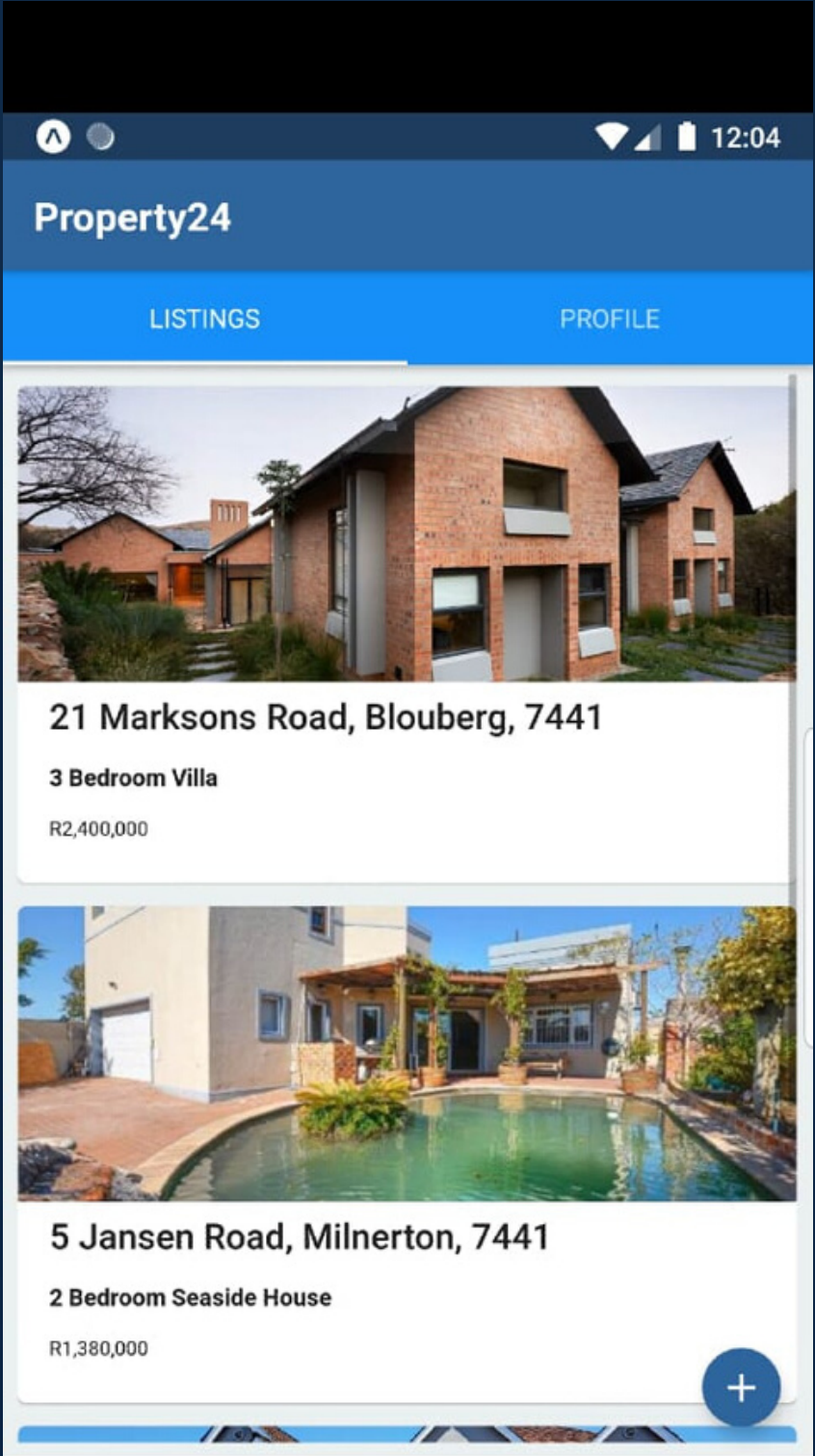
Password  
.....

Confirm Password  
.....

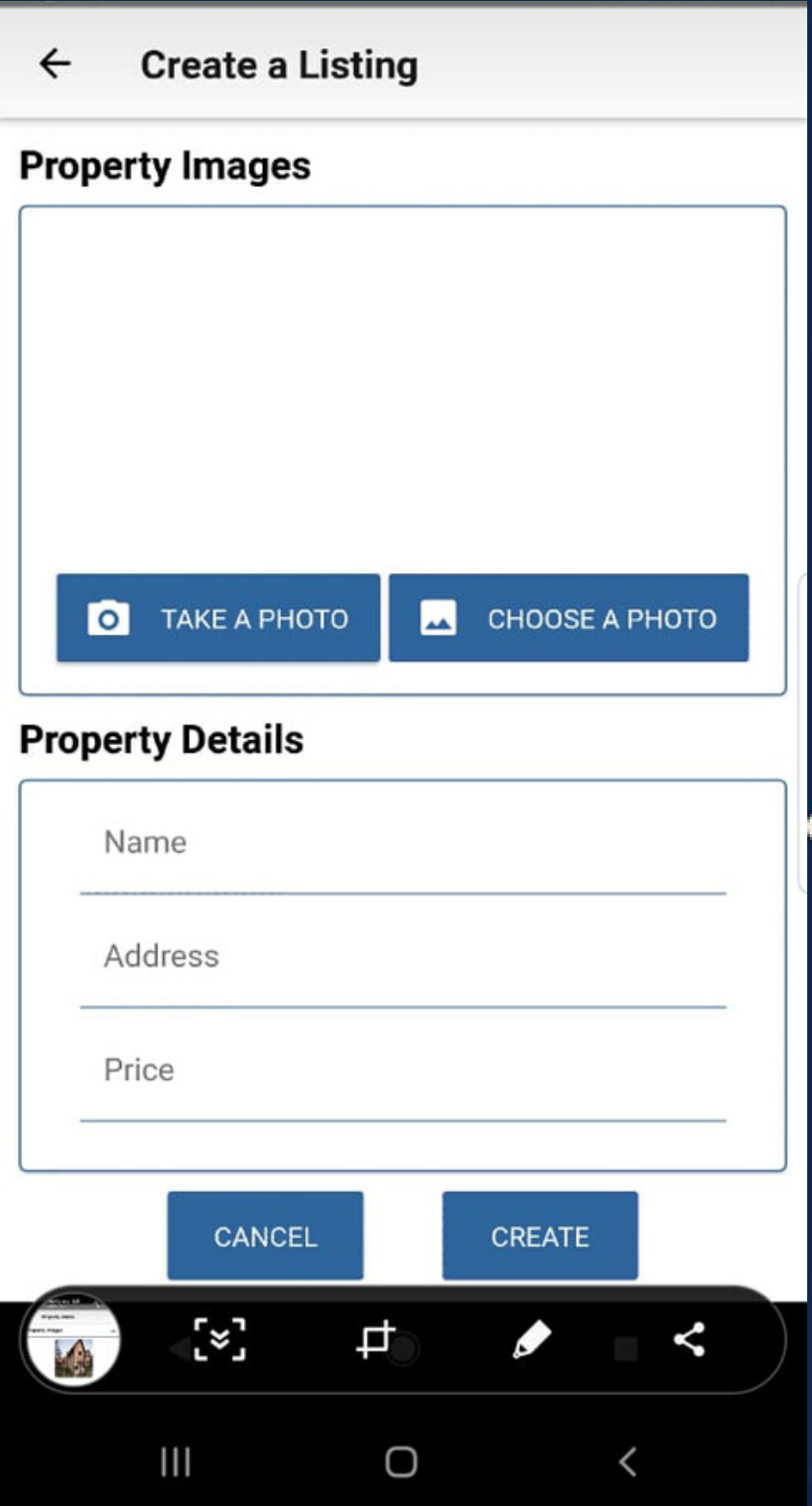
Sign up



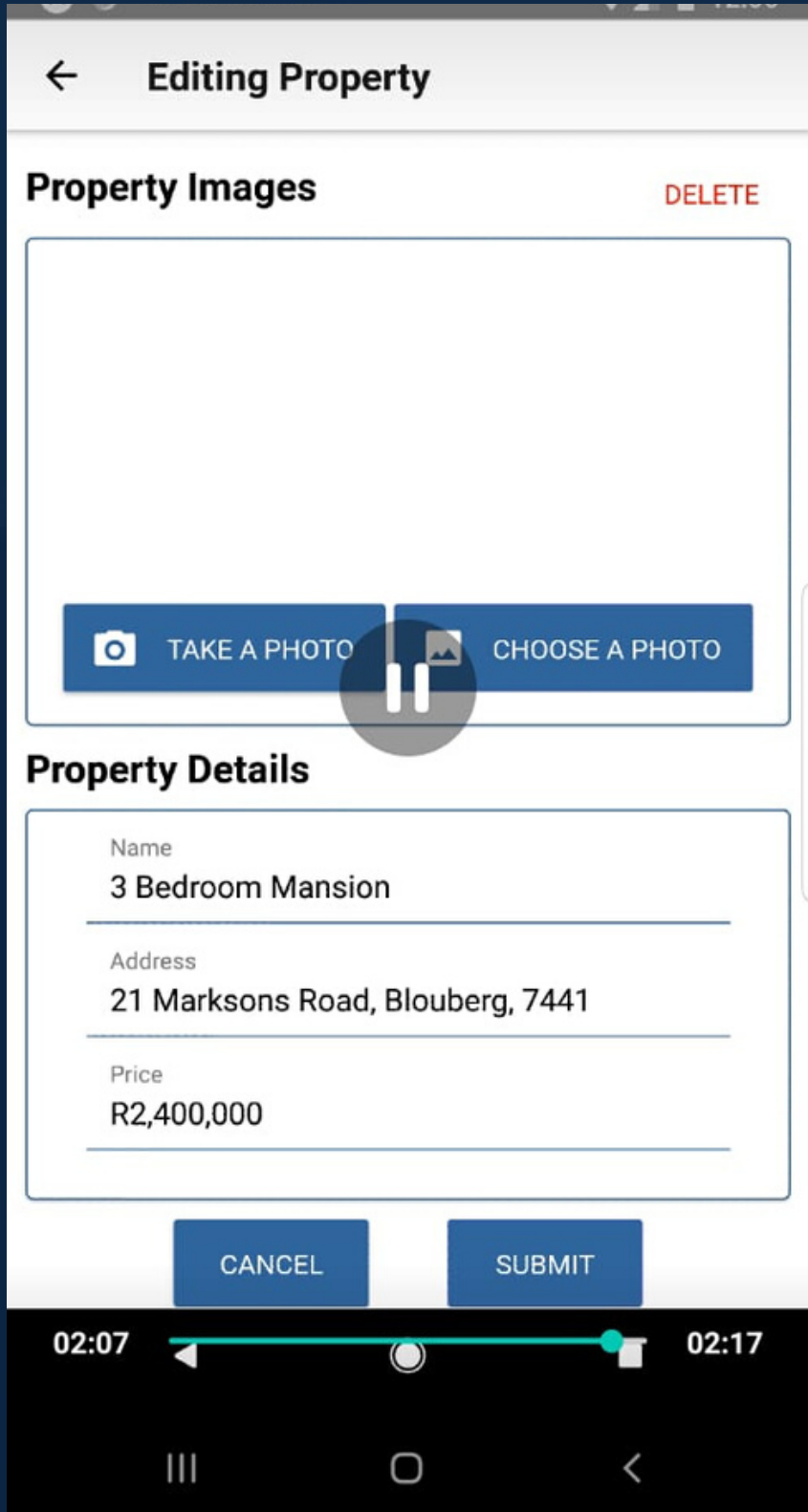
View Created properties example screen



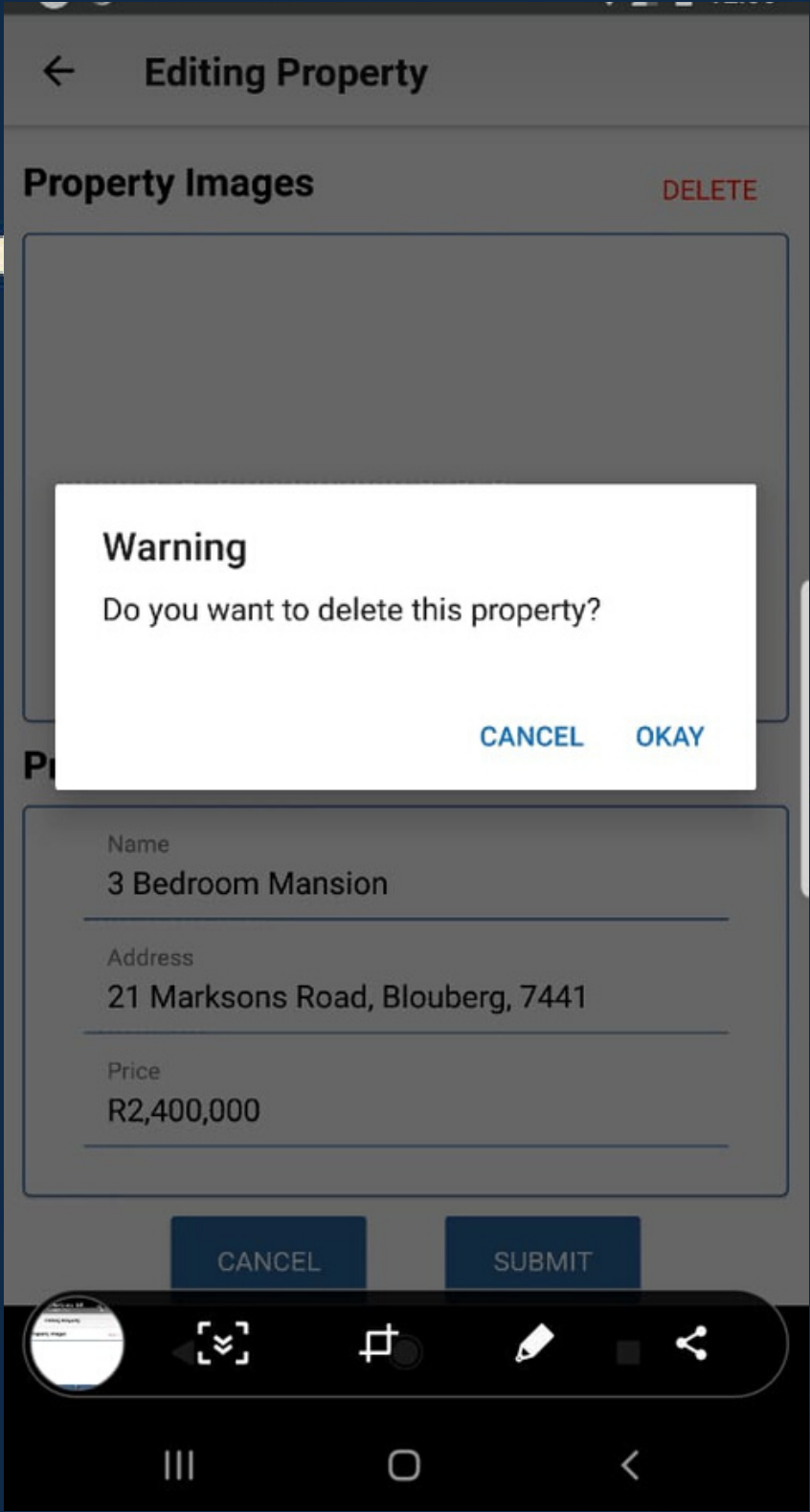
Create property example screen



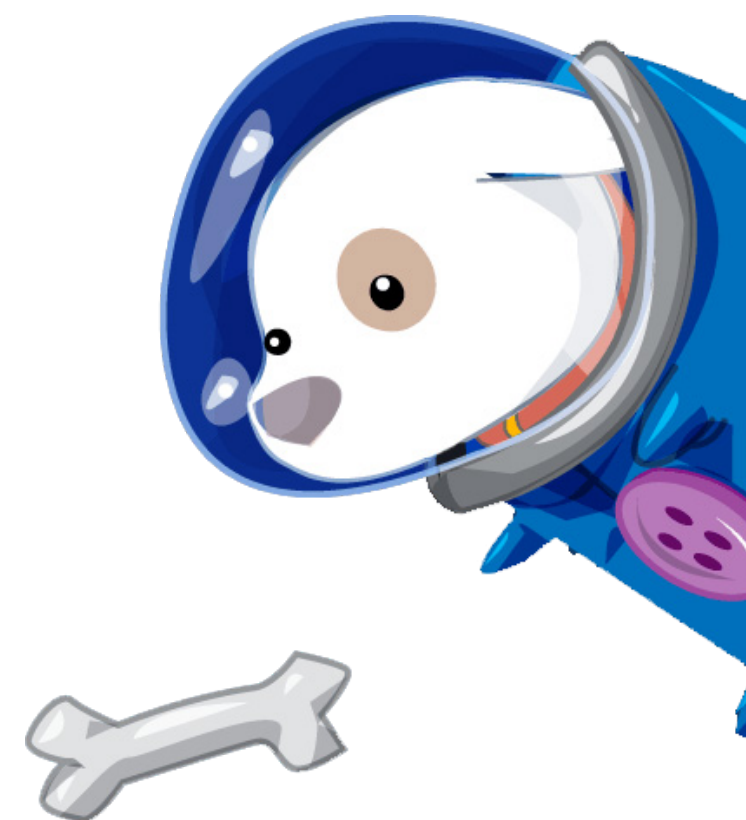
Edit property example screen



Delete property example screen



# Customer Web App



zaio

# Customer Web App


In this app, a normal user such as yourself or I should be able to view properties posted by all agents & view all properties after signing up/logging in.

Do create some sort of state management system eg. Use Redux if coding in React. A lot of react tutorials also go through Redux.

- Login & Register
- View all properties by cards
- Click into a property and view details of a property
- Search properties by name of agent and name of property



# View properties by cards example screen



[Login](#)[Sign Up](#)[Home](#)[Properties](#)[Developments](#)[Commercial](#)[Calculators](#)[Advice](#)[List Privately](#)[bell](#)

## Find your dream home


Search


Find by:

Area

Agency

Address







**R1 650 000**


3 Bedroom House

**Marina Da Gama**

6 Conifer Close

HIDDEN GEM IN A CLOSE OF 5 PROPERTIES Warm energy embrace this spacious 3 Bedroom family home. Offering Lounge open plan to dining room; good size kitchen with oven; hob and extractor fan; plenty built in cupboards. 3 Good Size...






**R1 099 000**

3 Bedroom House

**The Connifers**

54 Sunblaze Way

growing family needs space and these double-storey townhouses with beautiful finishes and thoughtful design are spaces that any family would be proud to call home. With a Curro School opening its door within CentralBlue; children have a high quality education...



Note: This is not the real property24 website.

# View a single property that is selected example screen

[Back to results](#)

[Book Viewing](#)

**R895 000**

**2 Bedroom House**

size: 73m<sup>2</sup>

Goodwood



**Agency**

cookson

**Get in touch with us!**

Your Name

Your Email

Your Mobile Number

I would love to know more about this property. Please tell me more!

[Send Message](#)

## Description

SECURE COMPLEX Two bedroom unit; on first floor; situated in Goodwood central; near JG Meiring High Spacious lounge/dining area Two bedroom with bic Sep kitchen; mod bathroom Safe undercover parking Close to shops; public transport; n1 city & hospital

Note: This is not the real property24 website. This is merely a clone that is part of an assignment

**property24**



**Agency**

sam golding

**Get in touch with us!**

Your Name

Your Email

Your Mobile Number

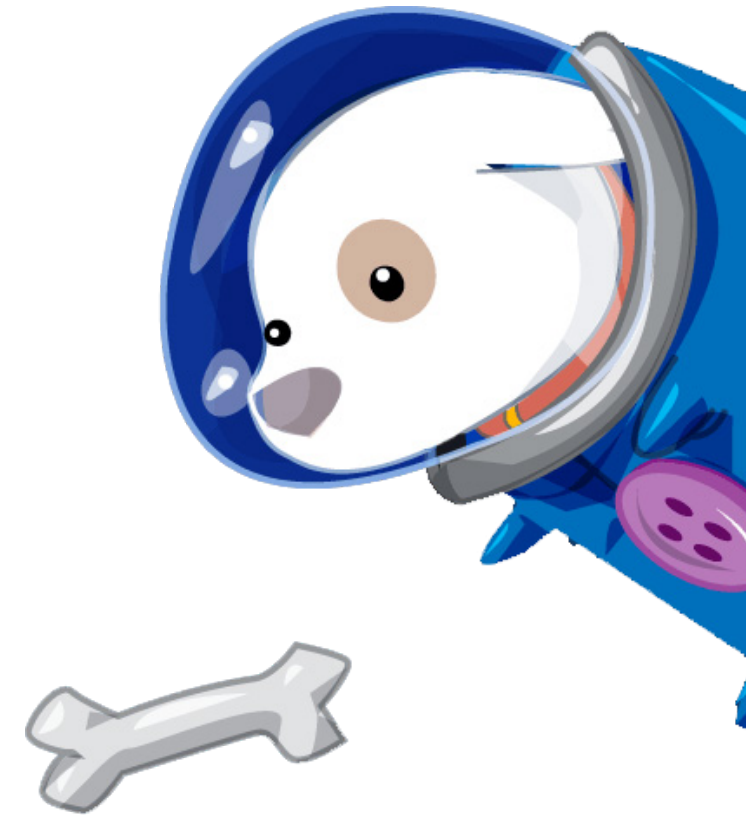
I would love to know more about this property. Please tell me more!

[Send Message](#)

Note: This is not the real property24 website.



# Backend API & Database



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# Backend API

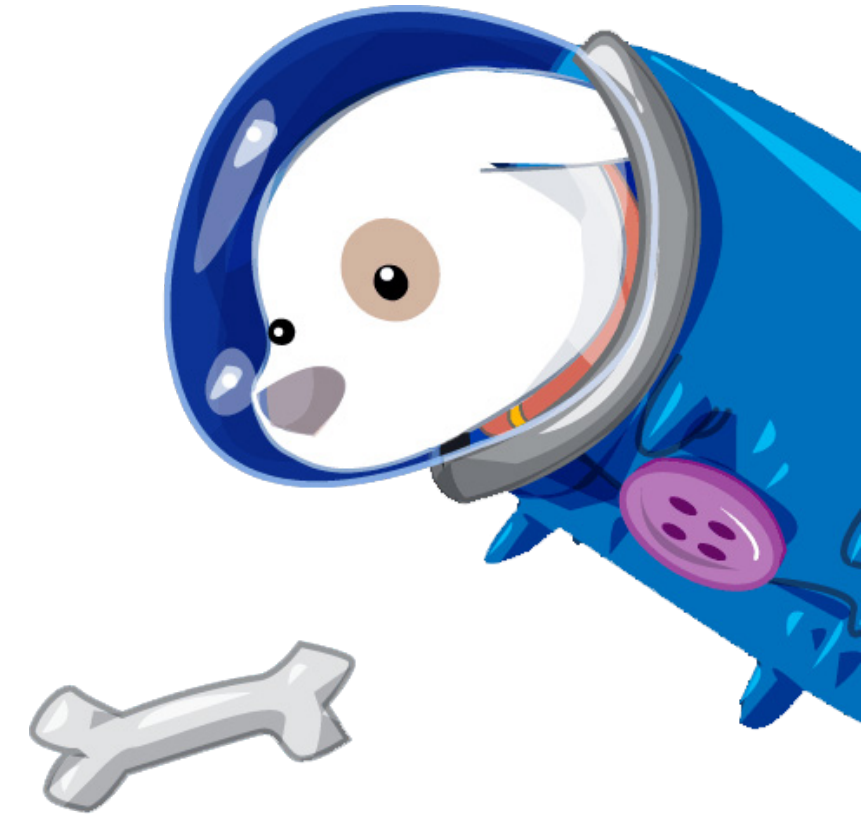
This API will have all the necessary routes to handle any requests to create, read, update or delete any data from the database.

The designed API endpoints can be created at the backend developers discretion, however, the following are fundamentally important from a grading perspective and feel free to add any other api end points as you feel to ensure the app works.

- Handle Authentication for Agents & Customers
- Handle Property Data (CRUD)
- Any other API calls to help with front end development (might have to add search functionality).

# Any questions, suggestions or appeals to build differently?

Whatsapp Or Call on  
+27 (64) 613-7022



**Cape Town**



**Johannesburg**

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✉ [recruitment@zaio.io](mailto:recruitment@zaio.io)

**zaio**



[www.zaio.io](http://www.zaio.io)