

CN436 iOS Device Application Development

# DermAssist


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# Goals

## Let the AI chatbot recommend some skin product

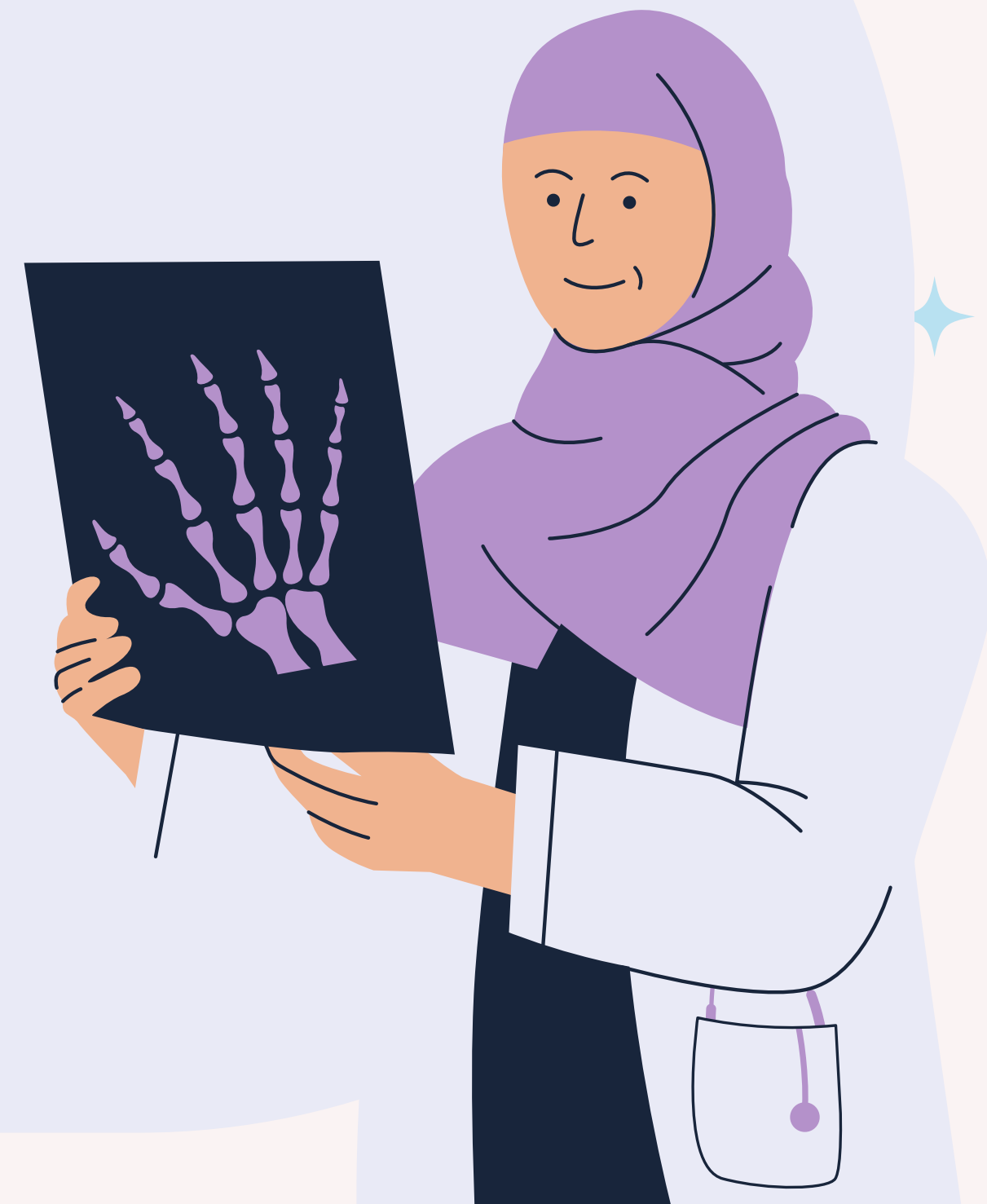
This application uses ChatGPT to **recommend skin products** which mainly focus on proving the allergic substances will not contain in.

## Find the location to purchase the product



The application could **show the pharmacy store** or somewhere selling the product recommended nearby.

## Follow the dermatitis doctor post

The application could **show the post on the announcement board** to follow the content mainly about skin, skin products, and allergen substances.



# Requirements

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- User Registration and Authentication
  - Profile
    - User profile and allergens
    - Edit profile
  - Product Recommendation
    - Recommend product that allergens-free
    - Using recommended prompt
  - Recommendation History
    - Save content for later
  - Pharmacy Recommendation
    - Pharmacy near me

# User Stories

## End User's Perspective

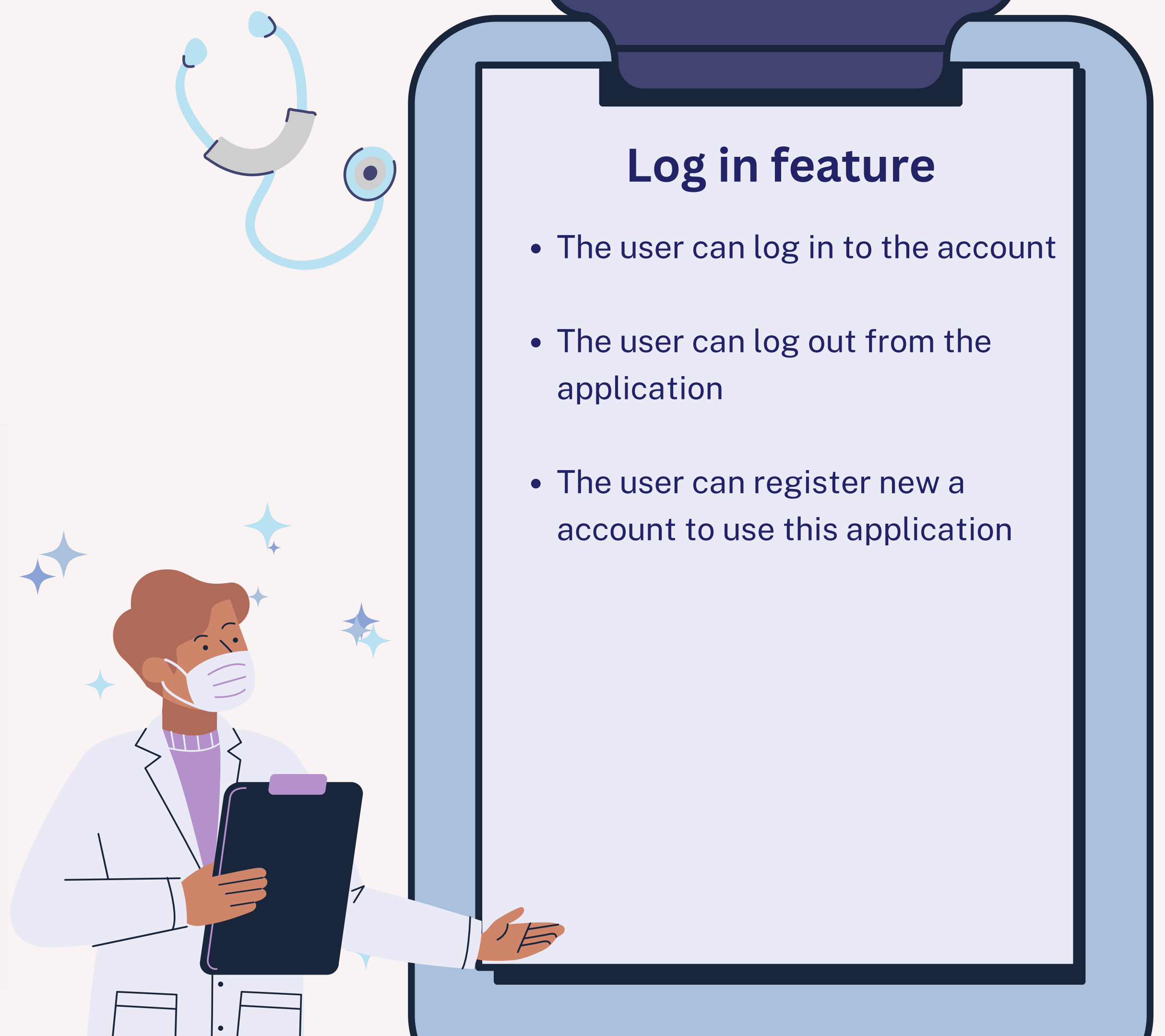
As a user, I want to log in to this application so that I can return to my account to continue my task

As a user, I want to log out from this application so that I can quit my account and not let other people use my account.

As a user, I want to register a new account so that I can have my own account to use this app

### Log in feature

- The user can log in to the account
- The user can log out from the application
- The user can register new a account to use this application



# User Stories

## Dermatologist's Perspective

As a dermatologist, I want to create and edit the post so that I can correct the patient to truly understand their allergy.



### Announcement

- Dermatologists can log in and post their knowledge on the announcement board
- Dermatologists can edit, and delete the post.

# User Stories

## End User's Perspective (Patient Education)

As a user, I want to access educational content about contact dermatitis and allergen avoidance so that I can better manage my condition.

### Accessing Educational Content

- Users can read content from the dermatitis.
- Admin can pin content to easily read later and recommend to user.
- The content is easy to understand and includes practical tips for allergen avoidance.



# User Stories

## End User's Perspective

As a user, I want to find some proper skin products of mine that focus on allergen-free products so that I can avoid allergies.

### Skin product recommendation

- The user can get some specific recommended allergen-free products.
- The user can specify the amount of product to recommend
- The user can find a pharmacy store nearby.





# User Stories

## Dermatologist's Perspective

As a dermatologist, I want to provide updates on new allergens so that the user with an allergy to the allergen can provide exact information.



### Create new allergen substances

- Doctor can create new allergen substances to the selected form which users could select at their profile.
- Patient can select more various allergen substances.

# User Stories

## End User's Perspective

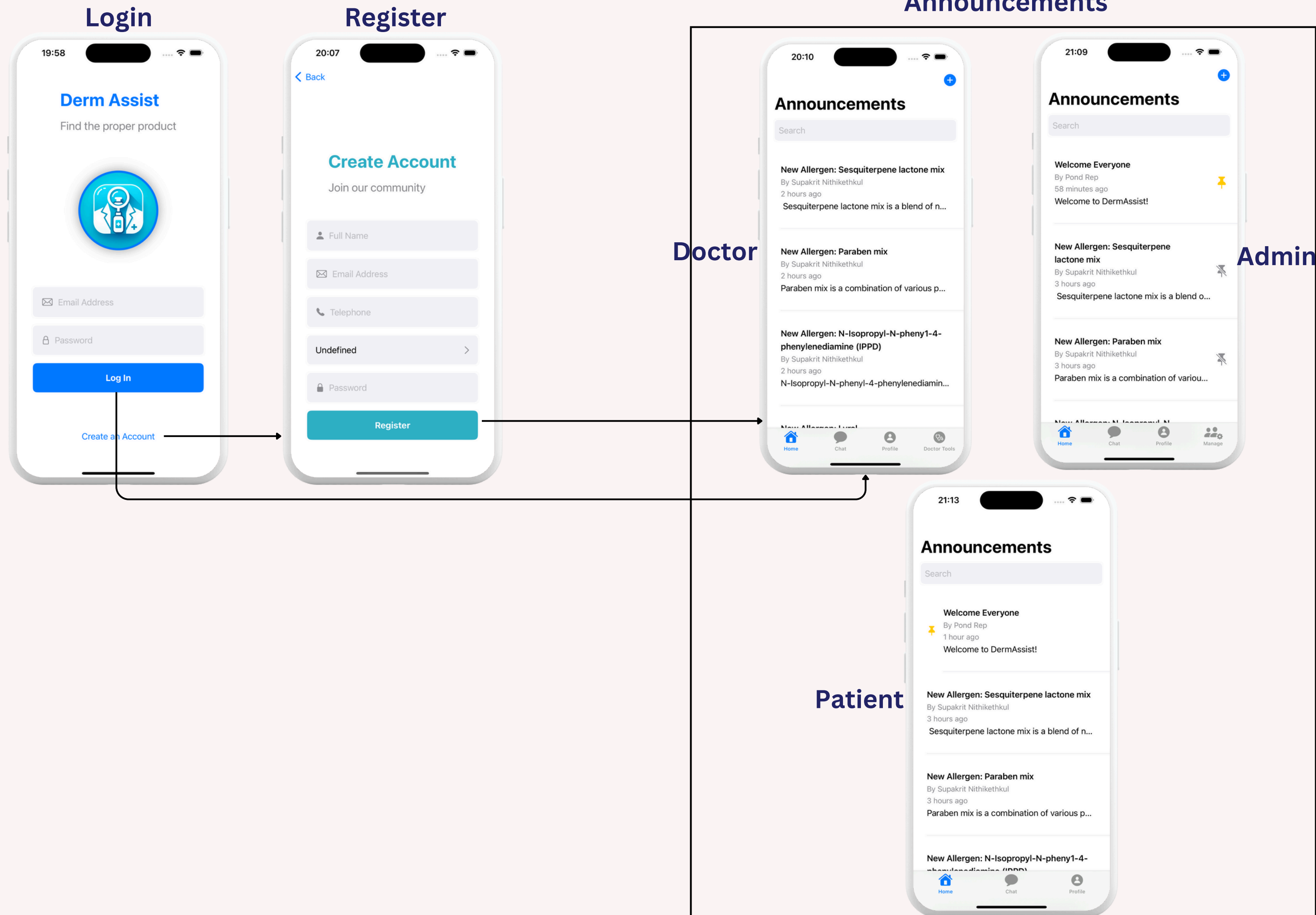
As a user with contact dermatitis, I want to input my allergens into the app so that I can get recommendations for safe products to use.

### User profile

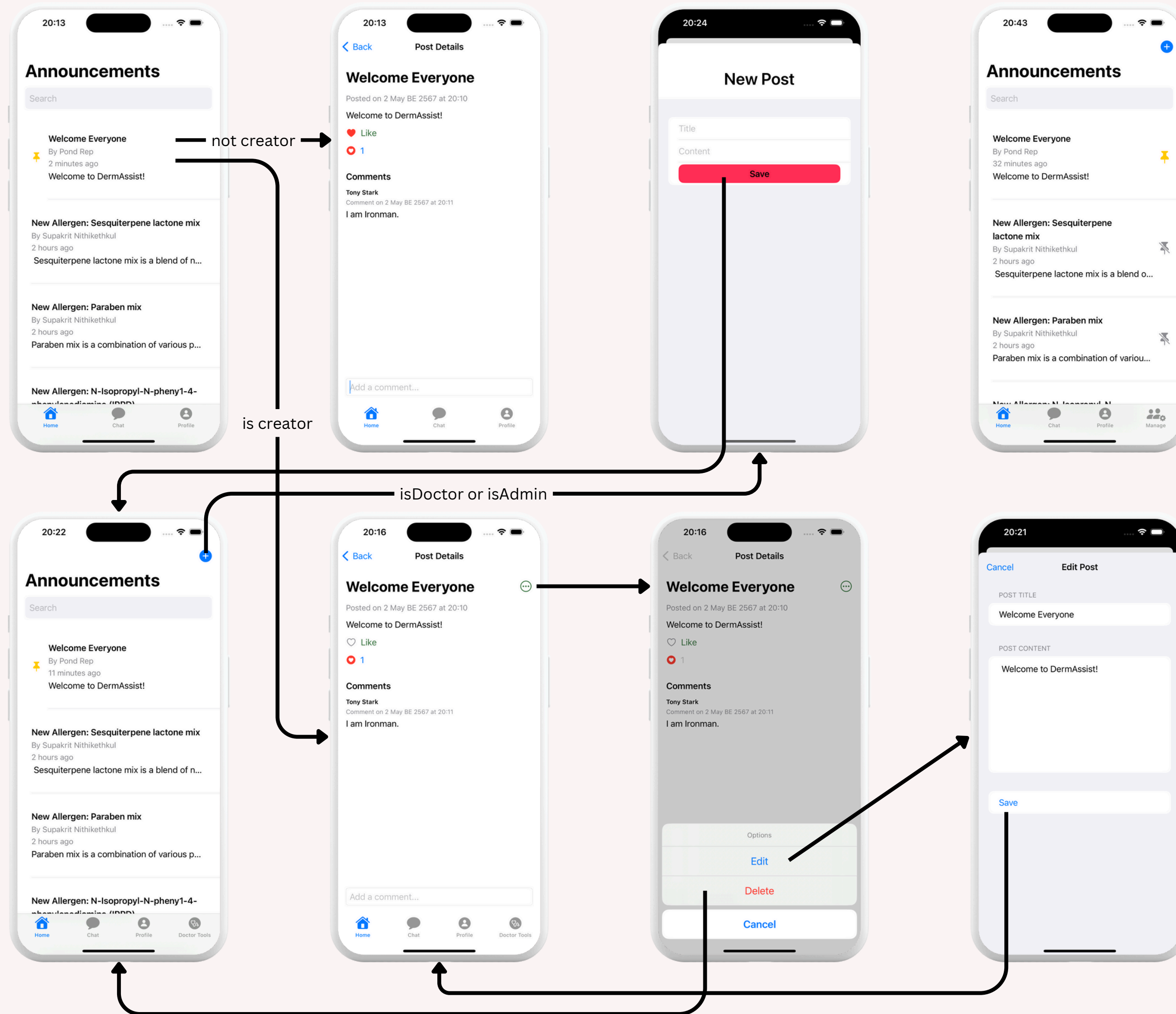
- The user can update their profile.
- The user can inform one or multiple allergens in the profile.
- The app returns a list of products that do not contain the specified allergens.



Storyboard

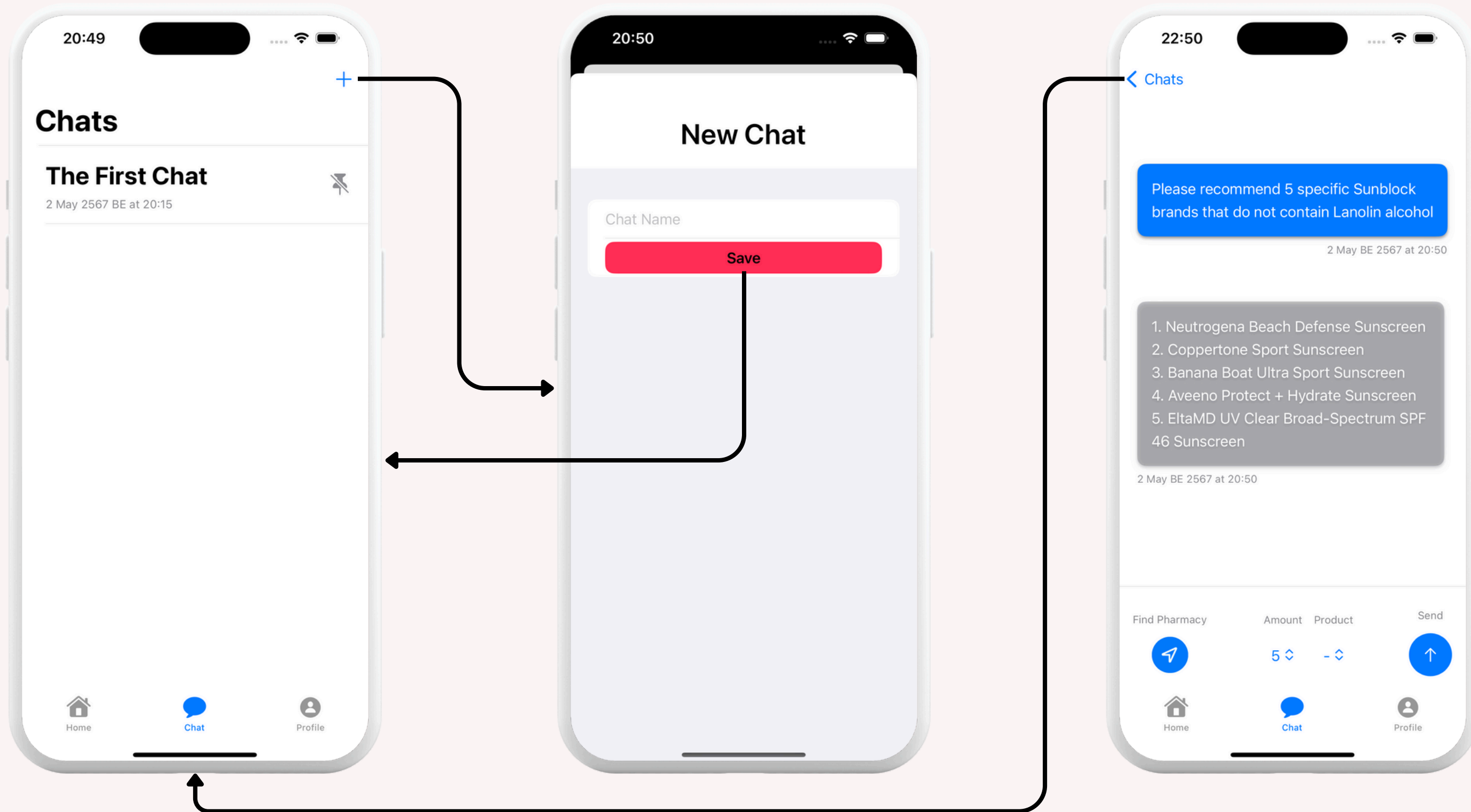


Storyboard

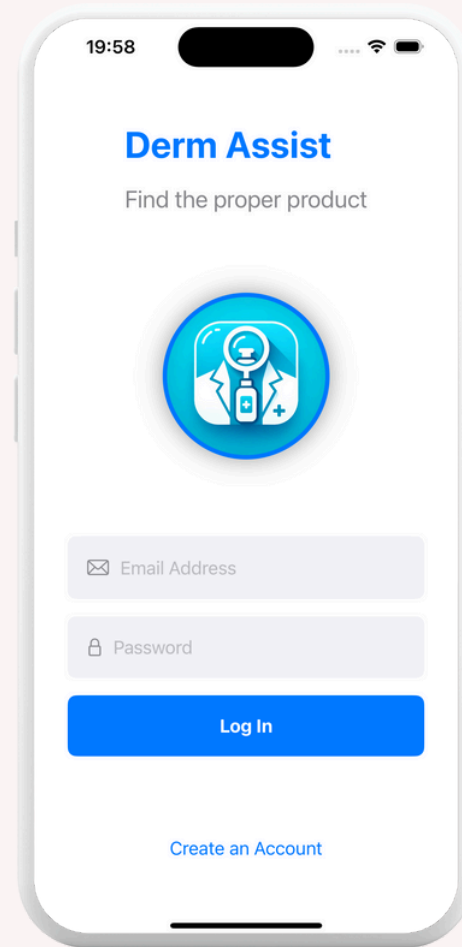


ANNOUNCEMENT

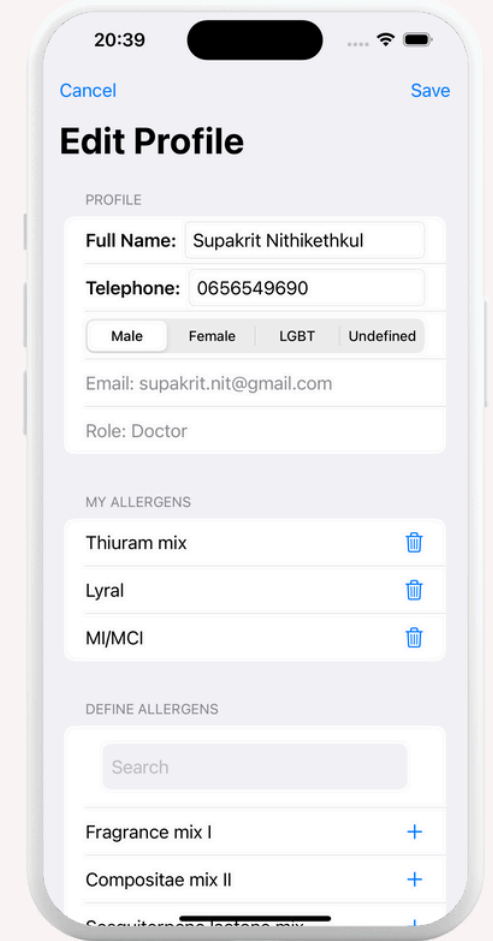
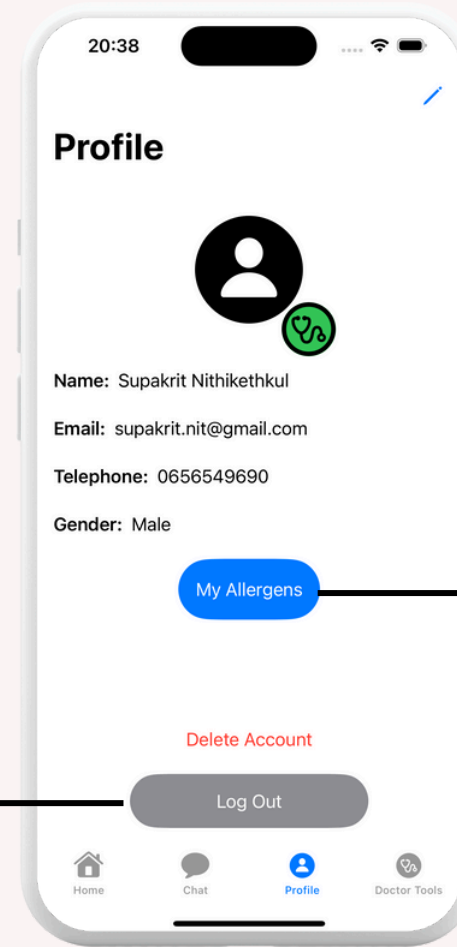
# CHAT



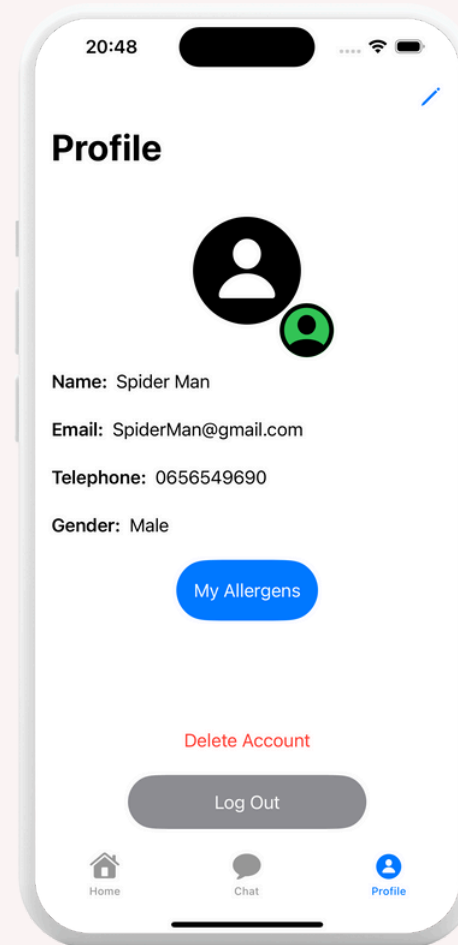
# Storyboard



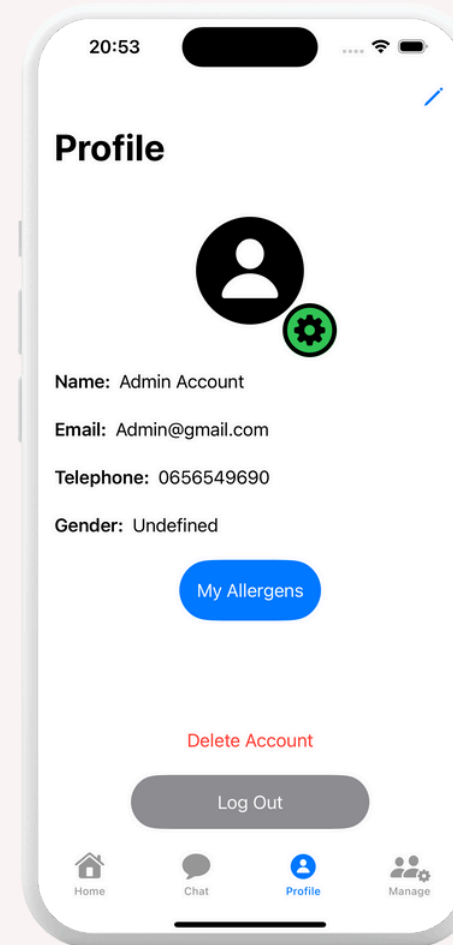
## Doctor



## Patient

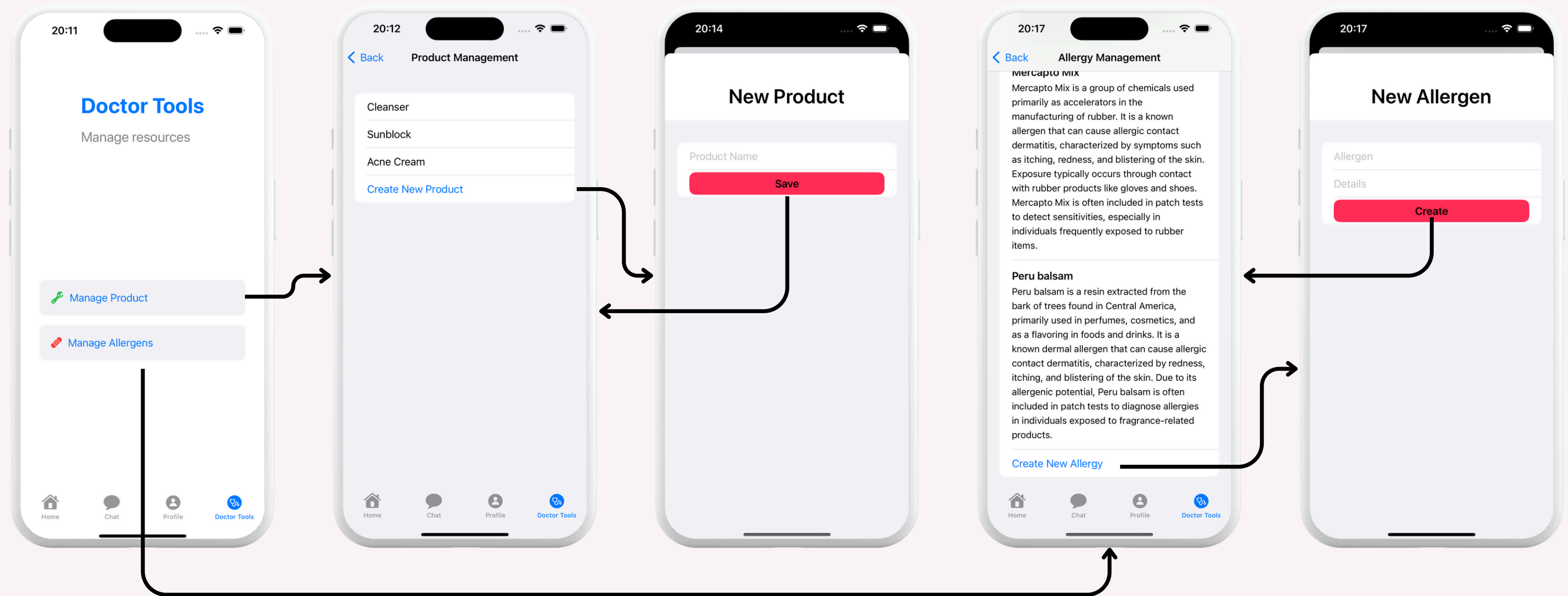


## Admin

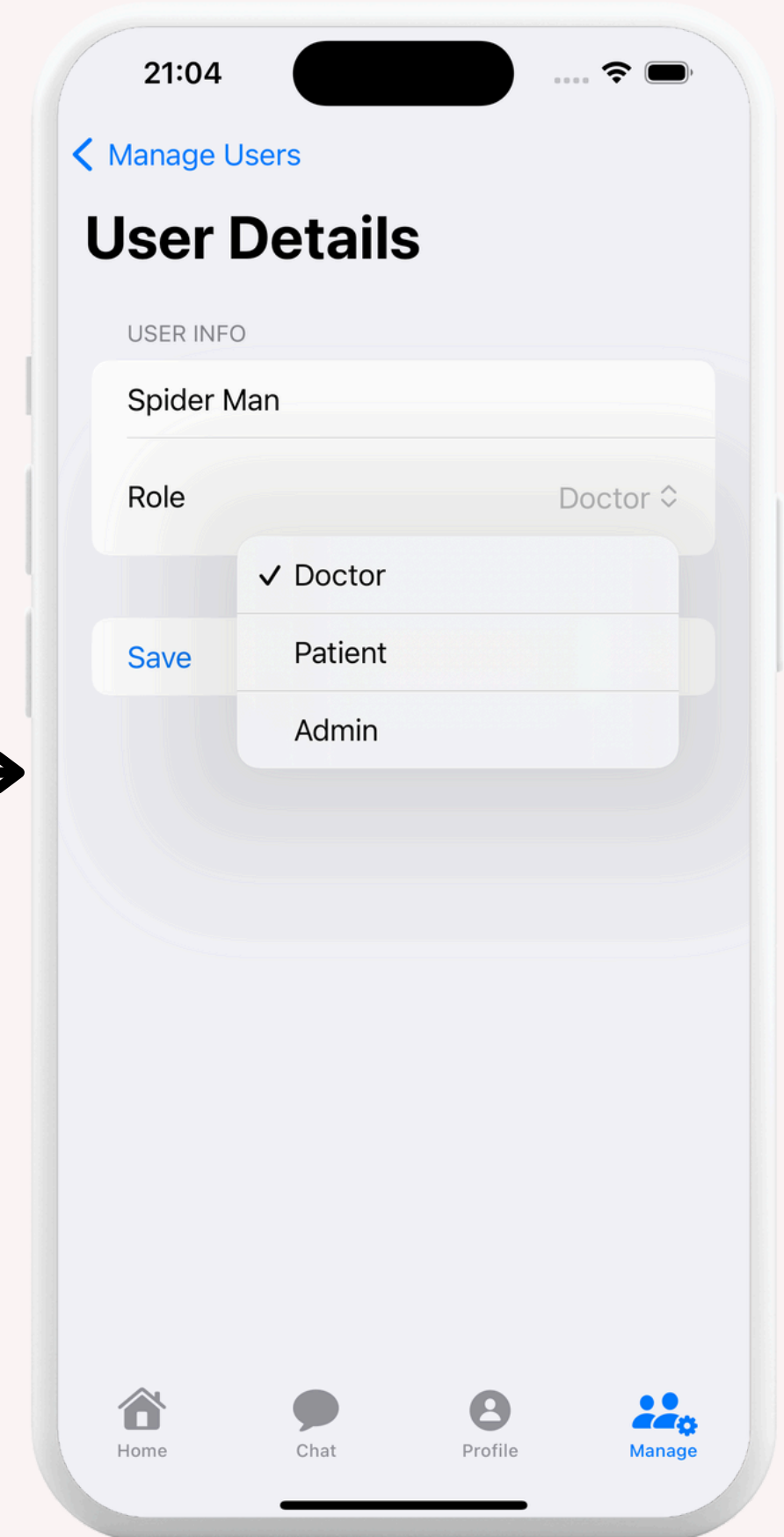
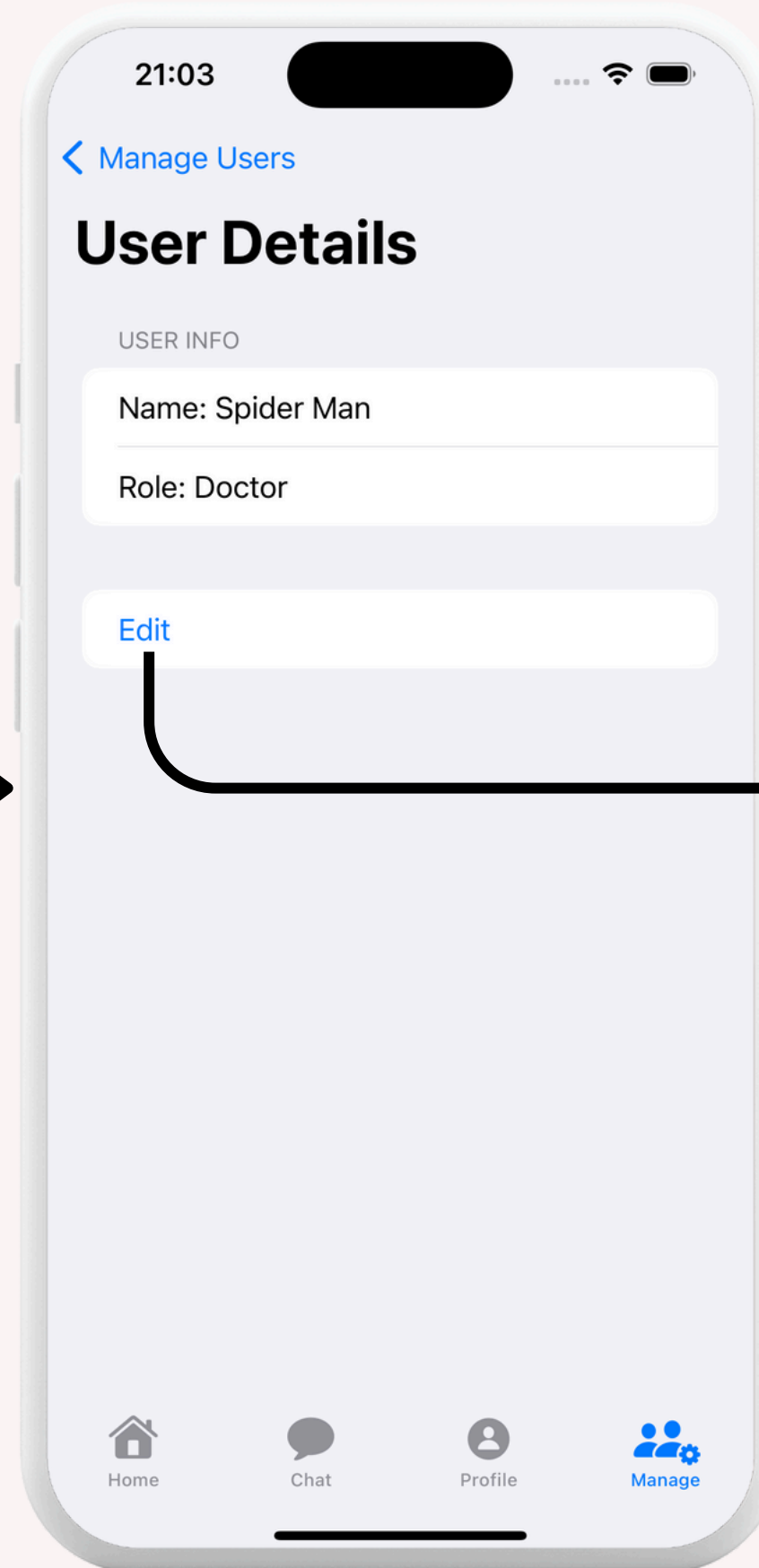
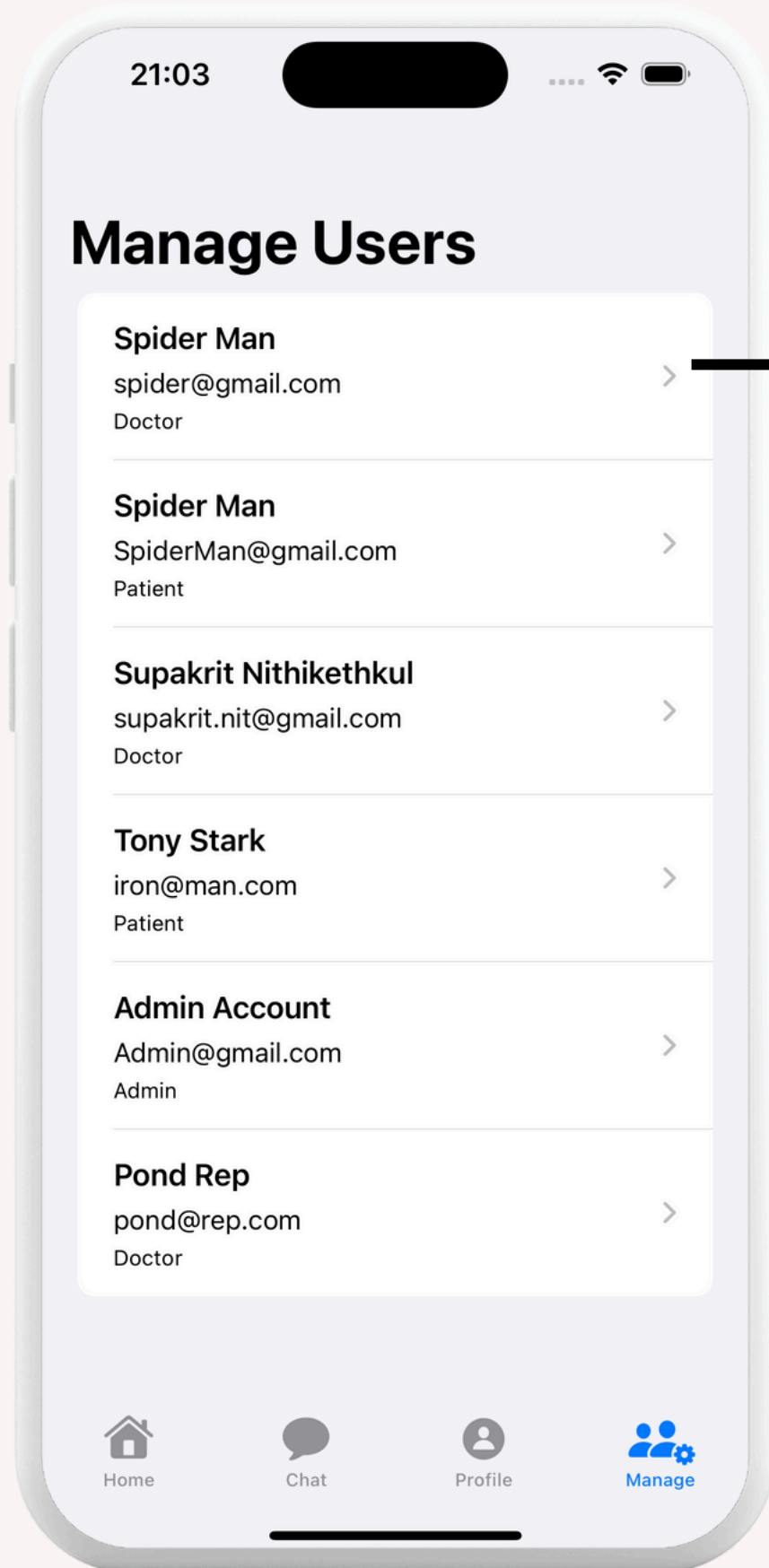




# Storyboard



Storyboard





**Thank you for  
your attention**

