

CN436 iOS Device Application Development

# DermAssist

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# Table of content



- Goals
- Requirements
- User stories
- Storyboard



# Goals

## Let the AI chatbot recommend some skin product

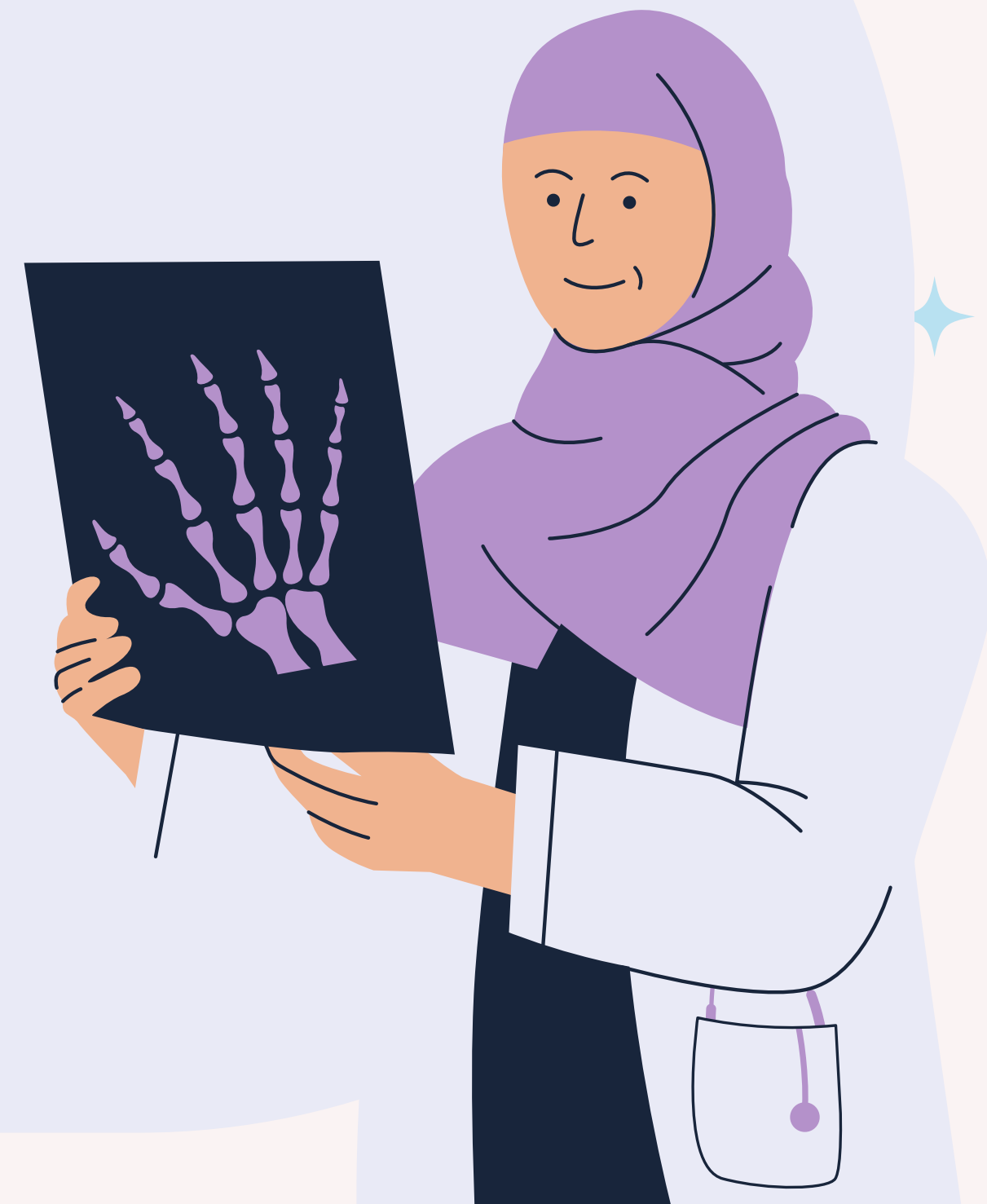
This application uses ChatGPT to **recommend skin products** which mainly focus on proving the allergic substances will not contain in.

## 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

## Functional

- 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

## Non-functional

- Security
  - Data encryption
- Usability
  - User-friendly interface
- Support multiple languages
  - User can input with any languages

# User Stories

## End User's Perspective

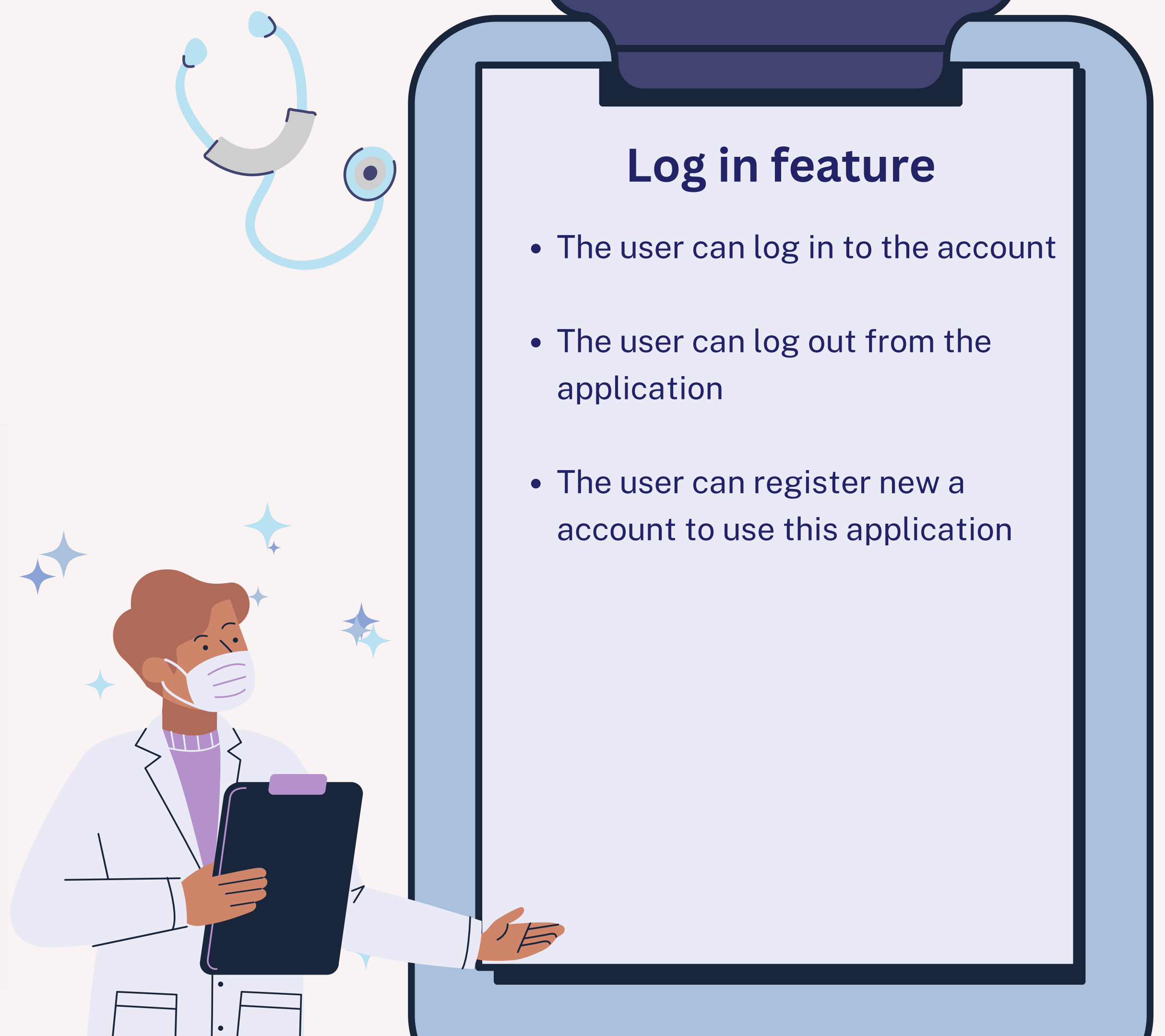
As a user, I want to log in to this application so that I can return to my account to continue my task

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.
- Users can pin content to easily read later.
- 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 product with condition details
- 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 could 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 Stories

## Multi-Language Support

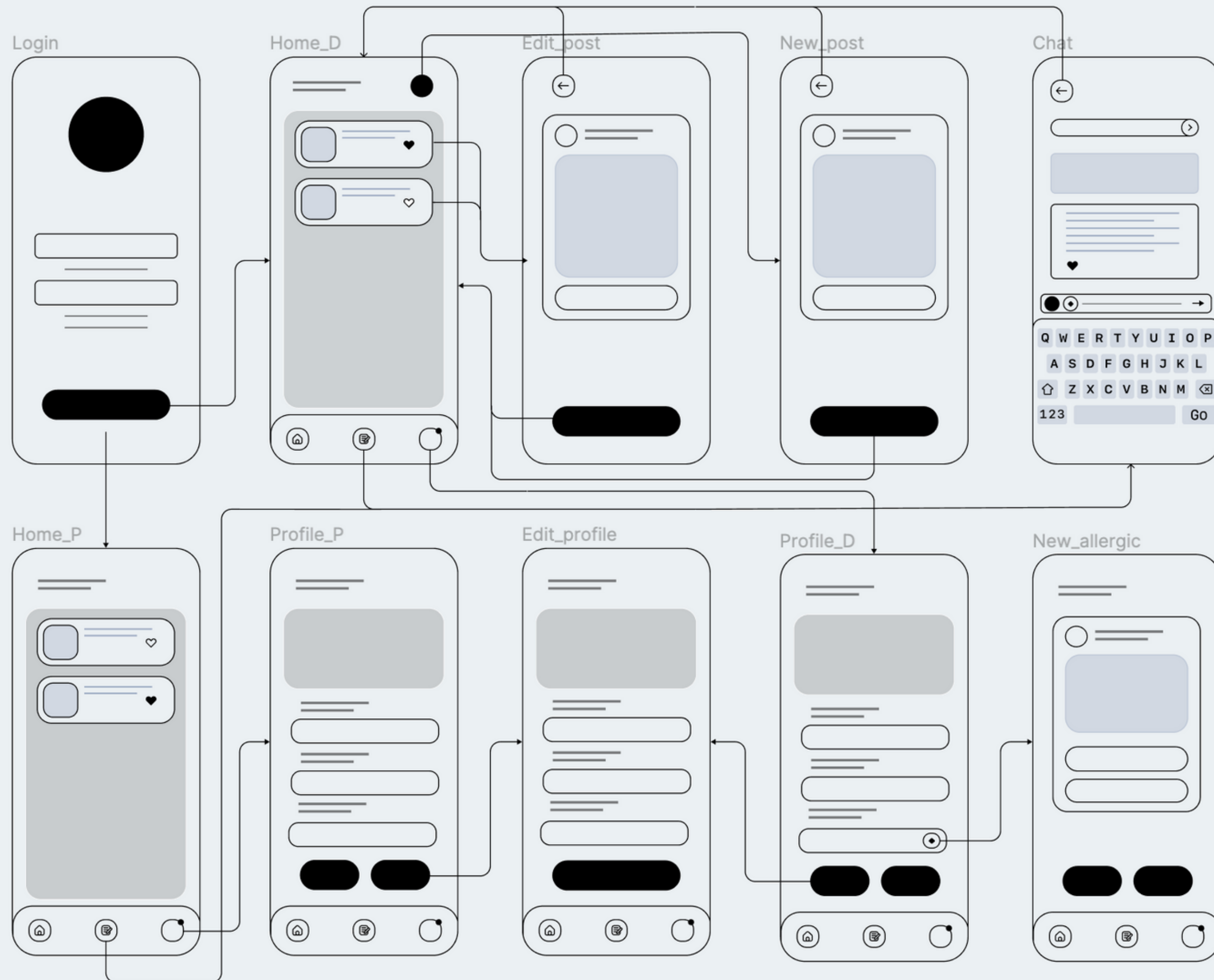
As a non-English speaking user, I want to use the app in my native language so that I can fully understand and utilize its features.



### Using the App in My Preferred Language

- The app supports multiple languages, and users can select their preferred language.

# Storyboard



**Thank you for  
your attention**

