# Documentation – SkillSwap React Native App

## 1. Overview

The **SkillSwap App** is a cross-platform mobile application built with **React Native** and **Expo**.  
Its purpose is to allow users to:

* Log in / Sign up
* Browse a feed of skills offered by others
* Start conversations
* Manage and edit their profile

This app uses **functional components with hooks (useState)** and custom styles.

## 2. Features

### Authentication

* **Login Screen**:
  + Input fields for email and password.
  + Password visibility toggle (eye icon).
  + Navigation to **Signup Screen** if the user doesn’t have an account.
* **Signup Screen**:
  + Input fields for email and password.
  + Submit button registers a new user.
  + Back button to return to login.

### Skills Feed

* Displays a list of demo skills (demoSkills).
* Each card shows:
  + User profile picture
  + Name and rating
  + Skill category (tag button)
  + Description
  + Optional “Looking for” field
* **Bottom Navigation** for switching between:
  + Swaps (Feed)
  + Conversations
  + Profile

### Conversations

* Displays recent conversations (demoChats).
* Each chat card shows:
  + User’s name
  + Last message
* Back button to return to feed.

### Profile

* Shows user profile info (image, name, email).
* "Edit Profile" button opens Edit Profile screen.
* Profile options list (Favorites, Downloads, Languages, etc.).
* Logout option.
* Displays app version at bottom.

### Edit Profile

* User can update:
  + First name, Last name, Username
  + Email, Phone, Birthdate, Gender
  + Profile image (via **Image Picker**)
* Save button updates profile data in the app state.
* Change Password button placeholder.

## 3. Data Flow

### Demo Data

* demoUsers: Static login demo users.
* demoSkills: Skills to show in feed.
* demoChats: Sample conversations.
* PROFILE\_OPTIONS: Profile menu options.

### State Management

* **screen state**: Controls navigation between screens (login, signup, feed, profile, etc.).
* **profileData state**: Stores user profile information. Updated in EditProfileScreen.

## 4. Components

### Main Components

1. **LoginScreen** → Handles user login.
2. **SignupScreen** → Handles new account creation.
3. **SkillsFeedScreen** → Displays the feed of available skills.
4. **ConversationsScreen** → Displays chat list.
5. **ProfileScreen** → Displays user details and profile options.
6. **EditProfileScreen** → Allows editing and saving profile info.

### App Entry (App.js)

* Controls which screen to show using switch (screen) statement.

## 5. Styles & Theme

* **Color Theme**:
  + Primary: Purple (#7c3aed)
  + Accent: White, Yellow (#ffd700), Blue (#2563eb)
* **UI Style**:
  + Modern, minimal, rounded corners
  + Cards with shadow/elevation
  + Gradient background in Edit Profile

## 6. Future Enhancements

* Authentication with Firebase or backend API
* Real chat system with WebSocket or Firebase
* Location-based skill discovery
* Ratings & Reviews system
* Save profile updates to backend/database
* Dark mode support