# Front-End Handover Document

## 1. Introduction

This document provides a detailed overview of the Cannect mobile application and companion website. It serves as a handover guide for future development, support, and maintenance teams. The app is designed to enable users to review, rate, and provide feedback on medical cannabis facilities, while the website allows administrative control over the data. The system is prepared for potential expansion and includes secure login and intuitive search functionality.

## 2. Project Overview

The project goals were to develop:

- A mobile app for end-users to search, view, rate, and review medical cannabis facilities.
- A secure, user-friendly login system.
- An administration website for managing data related to the cannabis facilities.
- A robust and intuitive search feature for medical cannabis products.
- A scalable system that can support future features like user-focused websites, cannabis species data, doctor details, and brand/product reviews.

## 3. Front-end Stack & Technologies Used

- **Mobile App:** React Native
  - Framework for building cross-platform mobile applications.
- **Website:** React.js
  - A JavaScript library used for building interactive user interfaces.
- **State Management:** Redux
  - For managing global app state across components.
- **API Calls:** Axios
  - Used to make API calls to the backend.
- **Authentication:** JWT (JSON Web Token)
  - For secure login and session management.

## 4. Installation Instructions

1. **Prerequisites:**
   - Node.js and npm (Node Package Manager) should be installed on the development machine.
   - Install Expo CLI globally for the mobile app: npm install -g expo-cli.
   - Clone the front-end repository from the provided GitHub link.
2. **Installation Steps:**

- Navigate to the project directory and run npm install to install all dependencies.
- For the mobile app, run expo start (or yarn start) to launch the development server and use Expo Go on a mobile device for testing.
- For the admin website, run npm start to launch the React.js development server.

5. API Documentation

The mobile app and admin website communicate with a RESTful API. The API handles:

- User authentication (JWT-based)
- Fetching cannabis facility details
- Submitting and viewing reviews and feedback
- Administrative control for modifying facility information
- Future support for adding doctors, cannabis species, and product brands.

For more detailed API documentation, refer to the accompanying server document.

6. App Features and Functionality

- **Login System:** Users can log in securely using their credentials.
- **Search Functionality:** Users can search for cannabis facilities using various filters and sorting options.
- **Ratings and Reviews:** Users can provide feedback on facilities, while viewing average ratings and other user reviews.
- **Administrative Control:** Admins can add, modify, or delete facilities through the companion website.

7. Admin Website Features and Functionality

- **Login System:** Admins can log in securely using their credentials.
- **Options:** Users can perform basics actions on clinics, users and feedback.
- **Feedback:** Read and delete feedback from users. This includes the login, date and which clinic the feedback is referring to.
- **Clinics/Users:** Admins can add, modify, or delete facilities through the companion website. This includes making another user an admin.

8. Deployment and Hosting

- The mobile app can be deployed to Google Play and Apple App Store using Expo's build service.
- The admin website is hosted using AWS.

## 9. Future Development

The system is designed for scalability, with provisions for adding new data types like cannabis species, individual doctors, product brands, and other medical cannabis-related information. Future updates may include:

- A web version of the mobile app for users.
- Added features such as doctors, products and cannabis species.

## 10. Known Issues

The system currently uses HTTP and not HTTPS, but has the ability to switch with ease once SSL certification is obtained.

## 11. Contact and Support Information

- For any inquiries or issues related to the project, please reach out to the development team:
    - **David Fak:** dfalk@myune.edu.au
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