

Toilet App Documentation

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Overview

React Native community storytelling app for local city rooms, built with Expo. Explore screen guides users through countries, provinces, and city rooms.

Key Features

- Explore destinations with search, trending chips, and personalized lists.
- Create posts and comments with offline queueing and background sync.
- Footer shortcuts to My Comments and Settings with avatar-driven theming.

Architecture

React Navigation stack in App.js orchestrates seven primary screens. ScreenLayout centralizes header, search, drawers, and footer navigation. PostsContext and SettingsContext provide app-wide state and helpers.

State & Data

PostsContext stores posts by city, pending operations, and vote state. SettingsContext persists profile, shortcut flag, and accent presets.

Navigation Flow

Country -> Province -> City -> Room -> Post Thread with contextual modals. Footer tabs jump between Explore, My Comments, and Settings views.

Offline & Sync

AsyncStorage caches posts and queues network actions until online. Pull-to-refresh refreshes countries, personal cities, and remote posts.

APIs & Services

Firebase client powers postService for CRUD and vote persistence. locationService fetches hierarchical geography listings.

Styling & Theming

colors.js defines palettes; avatars.js maps profile avatar presets. Screens compose cards, chips, and modals with StyleSheet rules.

Running Locally

- Install dependencies: npm install
- Start Expo dev server: npm start
- Open Expo Go or an emulator to preview the app.

Testing

Manual smoke tests cover navigation, posting, and offline recovery.

File Structure

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|-- App.js

|_api/