

React Native Weather Forecast App Challenge

Project Overview

Create a mobile weather application using React Native that demonstrates core mobile development skills.

Technical Requirements

- React Native with TypeScript
- Use OpenWeatherMap API (free tier)
- Implement state management (Redux/MobX)
- React Navigation
- Responsive design

Core Features

1. Location Search

- City/location input
- Autocomplete suggestions
- Save recent searches

2. Current Weather Display

- Temperature
- Condition icons
- Humidity
- Wind speed
- Feels like temperature

3. 5-Day Forecast

- Daily forecast cards
- Min/max temperatures
- Weather conditions

4. Geolocation Support

- Automatic location detection
- Manual location override

Evaluation Criteria

- Code quality
- Unit tests
- UI/UX design
- Error handling
- Performance
- State management
- API integration

Submission

- GitHub repository
- Working app demo
- Brief architecture explanation

Time Limit

Approximately 1-2 days (8-10 hours)