📱 Historical Places App

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A mobile app built with React Native (https://reactnative.dev/) to explore historical places in Malaysia. It connects to a custom Node.js backend API for fetching data.

✨ Features

- 🌍 Cross-platform (iOS & Android)
- 📦 State management with Redux Toolkit / Context API
- 🧭 Smooth navigation with React Navigation (https://reactnavigation.org/)
- 📄 Example screens & reusable components
- 🔗 Node.js API integration for real-time data

🚀 Getting Started

1. Clone the Repository

git clone https://github.com/mrteoh/HistoricalPlacesApp.git
cd HistoricalPlacesApp

2. Install Dependencies

npm install
or
yarn install

3. Run the App

yarn ios
yarn android
npm start

4. Backend (Node.js API)

cd malaysia-places-api
node server.js

If successful, you should see:
Server running at http://localhost:3001

🧪 Mobile App Description

1. Introduction
This document outlines the test plan for the Historical Places App, developed using React or React Native. The app displays a list of historical places, allows users to mark places as visited, includes navigation between screens, and features a fun interactive element.

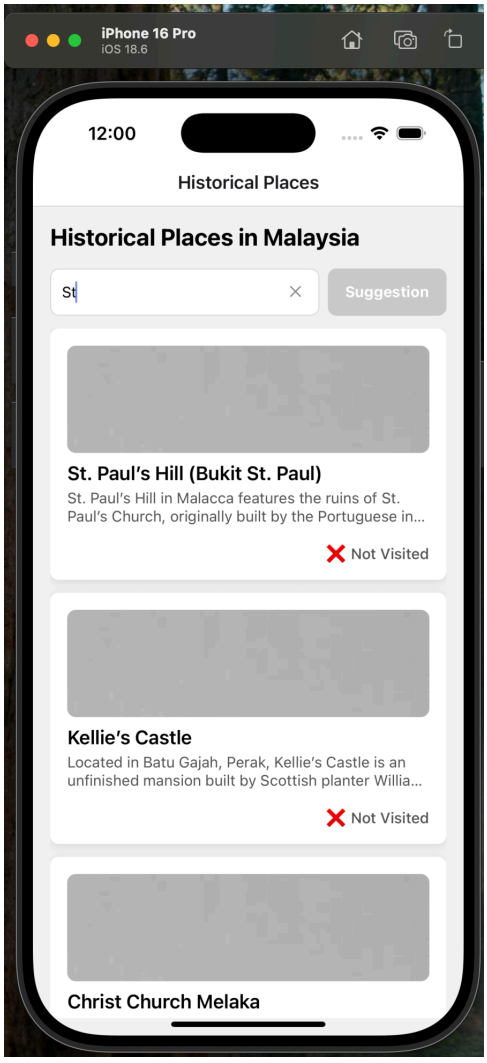
2. Scope
The testing will cover:
· Data Management: Fetching and displaying historical places.
· Visited Places: Marking and unmarking places as visited with immediate UI updates.
· Fun Feature: Testing the interactive feature (e.g., random place suggestion).
· UI/UX Consistency: Ensuring a consistent design.
· State Management: Verification of Redux and Redux-Observable Epics.
· Routes and Navigation: Testing screen transitions, route handling, and navigation.
· Cross-Platform Consistency: For React Native, ensuring the app works on both iOS and Android.

3. Test Steps
3.1 Data Management
· Open the app and ensure that historical places are fetched from the data source.
· Confirm that each place is displayed with its name, image, and description.
3.2 Visited Places Functionality
· Mark a place as visited from the list screen.
· Verify that the UI updates immediately to reflect the place's visited status.
· Unmark the place as visited.
· Check that the UI updates accordingly to show the place as unvisited.
· Confirm that the Redux store is updated in real-time using React Hooks.
3.3 Fun Feature
· Interact with the fun feature (e.g., press the random place suggestion button).
· Verify that a random place is suggested.
· Check that the suggested place is valid and appears correctly in the UI.
3.4 Routes and Navigation
· Navigation Between Screens:
  o Tap on a historical place in the list to view its details.
  o Navigate back to the list screen.
  o Use the back button on the device or app to ensure correct navigation.
  o Verify that screen transitions are smooth and that the correct data is displayed on each screen.
· Direct Navigation (Deep Linking):

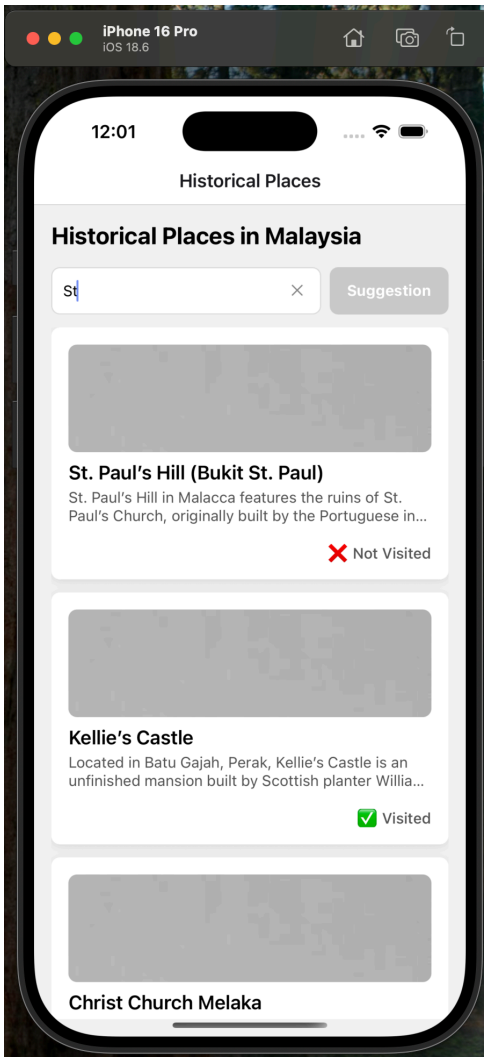
o Open the app using a specific route or deep link.
o Ensure that the app opens on the correct screen.
o Confirm that the navigation stack is handled correctly.

· Navigation Behavior After Marking a Place:
o Mark a place as visited from the list screen.
o Navigate to the details screen of that place.
o Return to the list screen.
o Ensure that the visited status of the place is still correctly displayed in the list.

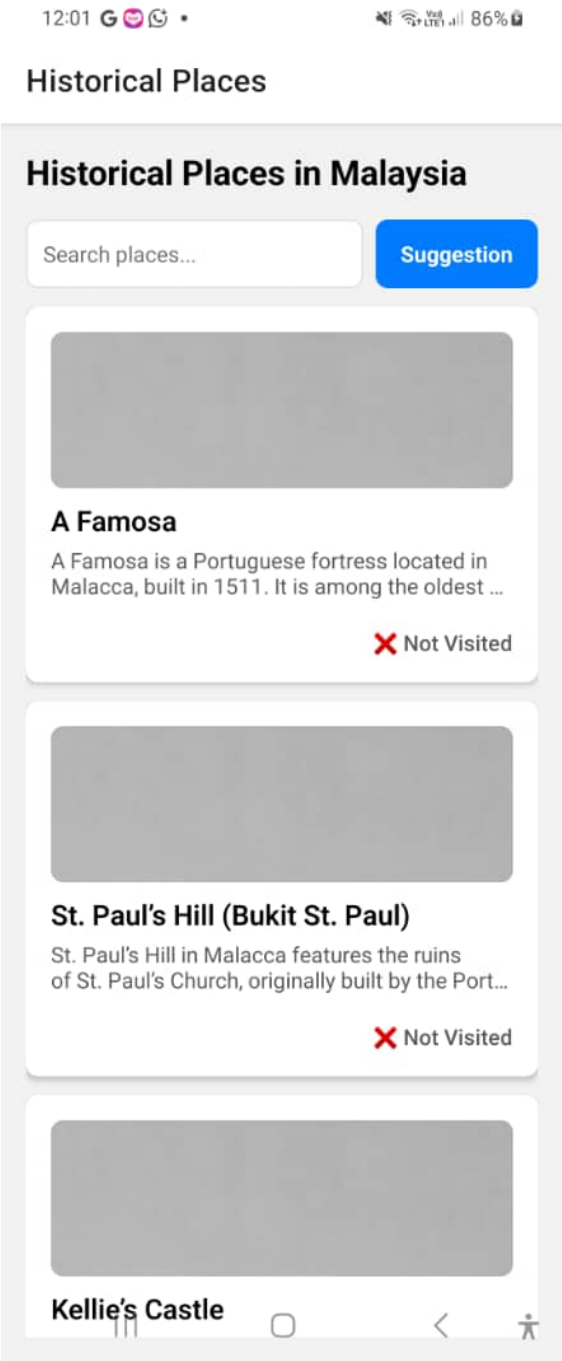
Screenshots (iOS)




iPhone 16 Pro
iOS 18.6
12:01
Back
Place Details
Kellie's Castle
Located in Batu Gajah, Perak, Kellie's Castle is an unfinished mansion built by Scottish planter William Kellie Smith in the early 20th century.
Visited


iPhone 16 Pro
iOS 18.6
12:01
Historical Places
Historical Places in Malaysia
St
Suggestion
St. Paul's Hill (Bukit St. Paul)
St. Paul's Hill in Malacca features the ruins of St. Paul's Church, originally built by the Portuguese in...
Not Visited
Kellie's Castle
Located in Batu Gajah, Perak, Kellie's Castle is an unfinished mansion built by Scottish planter Willia...
Visited
Christ Church Melaka

Screenshots (Android)




12:01
86%
Place Details
A Famosa
A Famosa is a Portuguese fortress located in Malacca, built in 1511. It is among the oldest surviving European architectural remains in Asia.
✅ Visited

Historical Places in Malaysia

Search places... Suggestion

A Famosa

A Famosa is a Portuguese fortress located in Malacca, built in 1511. It is among the oldest ...

✅ Visited

St. Paul's Hill (Bukit St. Paul)

St. Paul's Hill in Malacca features the ruins of St. Paul's Church, originally built by the Port...

❌ Not Visited

Kellie's Castle

Located in Batu Gajah, Perak, Kellie's Castle is an unfinished mansion built by Scottish plante...