

# Travel Itinerary App – Project Documentation

## Project Structure

```
/src
  /components
    ActivityCard.jsx
    ActivitiesSection.jsx
    AccommodationCard.jsx
    AccommodationSection.jsx
    BottomNavBar.jsx
    ContinueButton.jsx
    DashboardPage.jsx
    DestinationInput.jsx
    DurationSelect.jsx
    FlightDetailsCard.jsx
    Header.jsx
    OnboardingPage.jsx
    ThirdPaneModal.jsx
    TravelGroupSelector.jsx
    UpcomingTripCard.jsx
    UserGreeting.jsx
  /styles
    onboarding.css
    dashboard.css
  App.js
  index.js
```

## Component Hierarchy

### 1. Onboarding Flow

- App
  - OnboardingPage
    - Header
    - DestinationInput
    - DurationSelect
    - TravelGroupSelector
    - ContinueButton

### 2. Dashboard/Main Flow

- App
  - DashboardPage
    - UserGreeting
    - UpcomingTripCard
    - FlightDetailsCard
    - AccommodationSection
      - AccommodationCard (reusable)
    - ActivitiesSection
      - ActivityCard (reusable)
    - BottomNavBar
    - ThirdPaneModal (for "See all"/details)

## Styling

- **onboarding.css:** Styles for the onboarding flow, including dark/light theme support.
- **dashboard.css:** Styles for the dashboard, all sections, modal, and bottom nav, with dark/light theme and responsive design.

## Navigation & State

- **App.js** manages:
  - Theme switching (dark/light)
  - Navigation between onboarding and dashboard
- **ThirdPaneModal** is used for "See all"/details in dashboard sections.

## Challenges Faced

1. **Pixel-Perfect Figma Translation**
  - Ensuring the UI matches Figma exactly required careful attention to spacing, font sizes, and color contrast, especially for both dark and light themes.

## 2. Theme Switching

- Making sure all components and nested elements responded correctly to theme changes, especially with deeply nested selectors and background blending.

## 3. Responsiveness

- Adapting the design for mobile and desktop required custom media queries and flexible layouts, especially for cards and the bottom navigation bar.

## 4. Component Reusability

- Breaking down the UI into logical, reusable components while keeping props and state management simple and maintainable.

## 5. Third Pane/Modal Functionality

- Implementing a modal that overlays the dashboard, is accessible, and works seamlessly with the rest of the UI.
- 

## Summary

- The app is modular, maintainable, and closely follows React best practices.
- All UI and interactivity are based on your Figma design, with full support for dark/light themes and mobile responsiveness.
- The codebase is ready for further extension, such as API integration or more advanced navigation.