

# WANDERLUXE – TRAVEL BOOKING WEB APPLICATION

## PROJECT REPORT

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### 1. Project Overview

WanderLuxe is a modern and user-friendly travel booking web application developed using **React (Vite)** and **JSON Server**. The application allows users to browse destinations, explore curated travel packages, view detailed package information, and book their trips through a simple and aesthetically pleasing interface.

This project demonstrates strong understanding of frontend development, routing, user interface design, and API integration.

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### 2. Objectives

- To create a visually appealing and responsive travel booking interface.
  - To implement multi-page navigation using **React Router**.
  - To display dynamic package details using route parameters.
  - To build a functional booking form connected to a backend API (JSON Server).
  - To organize code into modular, reusable components.
  - To deliver a clean and professional user experience.
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### 3. Tools & Technologies Used

#### Frontend Technologies

- React.js
- Vite
- JavaScript (ES6+)
- React Router DOM
- CSS (Custom styling + inline styling)

## Backend Technologies

- JSON Server
- db.json (mock database)

## Development Tools

- Visual Studio Code
- GitHub
- Google Fonts
- Unsplash Images

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# 4. System Architecture

### User Interface (React)

- React Router
- API Calls to JSON Server (<http://localhost:4000>)
- Data Storage in db.json

The architecture follows a clean separation between UI, routing, and backend simulation using JSON Server.

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## 5. Project Modules Explained

### 5.1 Home Page

- Contains a hero banner.
- Displays popular destinations like Goa, Kerala, Andaman, Himalayas, etc.
- Smooth navigation to packages page.

### 5.2 Packages Page

- Shows an attractive grid of travel packages.
- Each card displays:
  - Package image
  - Destination title
  - Price
  - Trip duration
  - “View Details” button

### 5.3 Package Details Page

- Displays **full description** of the selected package.
- Landscape-style optimized image (fixed height for better UI).
- Includes package duration, price, and a **Book Now** button.
- Fetches data dynamically using route parameters.

### 5.4 Booking Form

- Users can enter:

- Full name
- Email
- Number of travellers
- Travel date
- Data is submitted to JSON server using:  
**POST** → <http://localhost:4000/bookings>
- Uses a custom React hook for API submission.

## 5.5 Contact Page

- Contains support email and phone number.
- Styled using inline CSS.
- Simple and clean layout.

## 5.6 About Page

- Explains what WanderLuxe is.
- Includes attribution: “Created by Amirtha Varshini S”.
- Clean minimal aesthetic design.

## 5.7 Footer

- Fixed at bottom of every page.
  - Shows:  
© **2025 WANDERLUXE by Amirtha Varshini S**
  - Center-aligned.
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## 6. JSON Server Endpoints

### Fetch All Packages

GET <http://localhost:4000/packages>

### Fetch Single Package

GET <http://localhost:4000/packages/:id>

### Store Booking Data

POST <http://localhost:4000/bookings>

### View All Bookings

GET <http://localhost:4000/bookings>

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## 7. Folder Structure Overview

src/

  components/

    Navbar.jsx

    Footer.jsx

    DestinationCard.jsx

    PackageCard.jsx

    RouteTransition.jsx

  context/

    BookingContext.jsx

  hooks/

    useSubmitBooking.js

  routes/

    Home.jsx

    Packages.jsx

    PackageDetails.jsx

    BookingForm.jsx

    Contact.jsx

    About.jsx

  App.jsx

  main.jsx

public/

favicon.svg (custom pink plane icon)

db.json  
package.json  
vite.config.js  
README.md

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## 8. Conclusion

WanderLuxe successfully demonstrates the complete implementation of a modern travel booking application using React. The project highlights strong skills in:

- Component-based architecture
- Routing and navigation
- API handling with JSON Server
- UI/UX design
- State management through React Context

This application can be extended further by adding:

- User authentication
- Payment integration
- Admin dashboard
- Real travel APIs

This project is suitable for academic assessments, training evaluations, and frontend development showcases.

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## 9. Student Info :

**Name:** Amirtha Varshini S

**Project Title:** WanderLuxe – Travel Booking Web Application

**Technologies Used:** React, Vite, JSON Server

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