# Project Structure - Flight Booking Website

## backend/

Contains the Node.js/Express backend code.

## backend/app.js

Main entry point: sets up Express server, middleware, and routes.

## backend/routes/

Defines API endpoints for flights, users, and authentication.

## backend/controllers/

Handles business logic for each route.

## backend/models/

Database schemas and ORM models for PostgreSQL.

## frontend/

React application source code.

## frontend/src/

Main React source folder.

## frontend/src/components/

Reusable UI components (e.g., FlightCard, Header).

## frontend/src/pages/

Page-level views (e.g., HomePage, SearchResults, BookingPage).

## frontend/src/services/

API clients and service functions for backend calls.

## frontend/public/

Static assets (index.html, images, favicon).

## db/

Database initialization and seeding scripts.

## db/init.sql

SQL script to create tables and database schema.

## db/seed.js

Node.js script to populate database with sample data.

## setup.sh

Shell script to build and run Docker containers and seed the database.

## .env

Environment variables file (not committed) with database and service settings.

## README.md

Project overview, installation steps, usage, and environment variables.

## Dockerfile

Docker configuration to build the backend and frontend images.

## docker-compose.yml

Defines Docker services for backend, frontend, and PostgreSQL database.