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.