// Backend - Node.js + Express + PostgreSQL

// File: server.js

const express = require("express");

const { Pool } = require("pg");

const cors = require("cors");

const dotenv = require("dotenv");

dotenv.config();

const app = express();

app.use(express.json());

app.use(cors());

const pool = new Pool({

user: process.env.DB\_USER,

host: process.env.DB\_HOST,

database: process.env.DB\_NAME,

password: process.env.DB\_PASS,

port: 5432,

});

// Get available hotels

app.get("/hotels", async (req, res) => {

try {

const result = await pool.query("SELECT \* FROM hotels WHERE available\_rooms > 0");

res.json(result.rows);

} catch (err) {

res.status(500).json({ error: err.message });

}

});

// Book a hotel room

app.post("/book", async (req, res) => {

try {

const { user\_id, hotel\_id, check\_in\_date, check\_out\_date } = req.body;

await pool.query(

"INSERT INTO bookings (user\_id, hotel\_id, check\_in\_date, check\_out\_date, status) VALUES ($1, $2, $3, $4, 'CONFIRMED')",

[user\_id, hotel\_id, check\_in\_date, check\_out\_date]

);

res.json({ message: "Booking confirmed!" });

} catch (err) {

res.status(500).json({ error: err.message });

}

});

app.listen(3000, () => console.log("Server running on port 3000"));