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server.js (Mongoose CRUD for Books)
require('dotenv').config();
const express = require('express');
const mongoose = require('mongoose');
const app = express();
app.use(express.json()); // Middleware to parse JSON
// Connect to MongoDB (Make sure MongoDB is running locally)
mongoose.connect('mongodb://127.0.0.1:27017/libraryDB', {
useNewUrlParser: true,
useUnifiedTopology: true
}).then(() => console.log('♥ MongoDB Connected'))
 .catch(err => console.error('X MongoDB Connection Error:', err));
// 🝱 Define a Mongoose Schema & Model for Books
const bookSchema = new mongoose.Schema({
title: String,
author: String,
yearPublished: Number,
genre: String
});
const Book = mongoose.model('Book', bookSchema);
// CRUD Routes for Books
// 1 REATE a new book
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app.post('/books', async (req, res) => {
 try {
  const book = await Book.create(req.body);
  res.status(201).json(book);
 } catch (error) {
  res.status(400).json({ error: error.message });
 }
});
// 2 READ all books
app.get('/books', async (req, res) => {
 const books = await Book.find();
 res.json(books);
});
// 3 READ one book by title
app.get('/books/:title', async (req, res) => {
 const book = await Book.findOne({ title: req.params.title });
 if (!book) return res.status(404).json({ message: 'Book not found' });
 res.json(book);
});
// 4 PDATE a book by ID
app.put('/books/:id', async (req, res) => {
 try {
  const book = await Book.findByIdAndUpdate(req.params.id, req.body, { new: true });
  if (!book) return res.status(404).json({ message: 'Book not found' });
  res.json(book);
 } catch (error) {
```

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res.status(400).json({ error: error.message });
}
});

// 5 □ □ ELETE a book by ID

app.delete('/books/:id', async (req, res) => {
  const book = await Book.findByIdAndDelete(req.params.id);
  if (!book) return res.status(404).json({ message: 'Book not found' });
  res.json({ message: 'Book deleted' });
});

// 

Start the server

const PORT = process.env.PORT || 3000;

app.listen(PORT, () => console.log('♥ Server running on port ${PORT}'));
```