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const express = require('express');
const mongoose = require('mongoose');
const bodyParser = require('body-parser');

const app = express();
const PORT = process.env.PORT || 3000;

// Connect to MongoDB
mongoose.connect('mongodb://localhost/mobile_shopping', { useNewUrlParser: true,
useUnifiedTopology: true });

// Define a product schema
const productSchema = new mongoose.Schema({
  name: String,
  description: String,
  price: Number,
});

// Create a Product model
const Product = mongoose.model('Product', productSchema);

// Middleware
app.use(bodyParser.urlencoded({ extended: true }));
app.use(bodyParser.json());

// Routes
app.get('/api/products', async (req, res) => {
  try {
    const products = await Product.find();
    res.json(products);
  } catch (error) {
    res.status(500).json({ error: 'Internal Server Error' });
  }
});

app.post('/api/products', async (req, res) => {
  const { name, description, price } = req.body;

  if (!name || !description || !price) {
    return res.status(400).json({ error: 'Please provide all required fields.' });
  }

  try {
    const newProduct = new Product({

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        name,  
        description,  
        price,  
    });  
  
    await newProduct.save();  
    res.json({ message: 'Product added successfully.' });  
  } catch (error) {  
    res.status(500).json({ error: 'Internal Server Error' });  
  }  
});  
  
// Start the server  
app.listen(PORT, () => {  
  console.log(`Server is running on http://localhost:${PORT}`);  
});
```