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from flask import Flask, jsonify, request
from flask_cors import CORS

app = Flask(__name__)
CORS(app)

# Our products database (in memory for now)
products = {
    'eva-b': {
        'id': 1,
        'name': 'EVA-B Electric Bike',
        'price': 1299.99,
        'image': '/image@2x.png'
    },
    'zenith': {
        'id': 2,
        'name': 'Zenith Electric Bike',
        'price': 1499.99,
        'image': '/cycle-image-1@2x.png'
    },
    'zephyr': {
        'id': 3,
        'name': 'Zephyr Electric Bike',
        'price': 999.99,
        'image': '/ebike-1@2x.png'
    }
}

# Shopping cart (empty list to start)
cart = []

# Route to get all products
@app.route('/api/products', methods=['GET'])
def get_products():
    return jsonify(products)

# Route to get cart items
@app.route('/api/cart', methods=['GET'])
def get_cart():
    return jsonify(cart)

# Route to add item to cart
@app.route('/api/cart/add', methods=['POST'])
def add_to_cart():
    print('Received request to add to cart')
    product_id = request.json.get('product_id')
    print('Product ID:', product_id)

    # Check if item already exists in cart
    for item in cart:
        if item['id'] == product_id:
            item['quantity'] += 1 # Increment quantity if item exists
            print('Updated quantity in cart:', cart)
            return jsonify({'message': 'Updated quantity in cart'}), 200

    # If item doesn't exist, add new item
    for key, product in products.items():
        if product['id'] == product_id:
            cart.append({
                **product,
                'quantity': 1
            })
            print('Added new item to cart:', cart)
            return jsonify({'message': 'Product added to cart'}), 200

    print('Product not found')

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    return jsonify({'message': 'Product not found'}), 404

# Test route
@app.route('/api/test', methods=['GET'])
def test():
    return jsonify({'message': 'API is working!'})

# Add this new route to your existing app.py file
# (Keep all your existing code, just add this new route)

@app.route('/api/cart/update-quantity', methods=['POST'])
def update_quantity():
    product_id = request.json.get('product_id')
    change = request.json.get('change')

    for item in cart:
        if item['id'] == product_id:
            new_quantity = item['quantity'] + change
            if new_quantity > 0:
                item['quantity'] = new_quantity
                return jsonify({'message': 'Quantity updated'}), 200
            else:
                cart.remove(item)
                return jsonify({'message': 'Item removed from cart'}), 200

    return jsonify({'message': 'Item not found in cart'}), 404

@app.route('/api/cart/remove', methods=['POST'])
def remove_from_cart():
    product_id = request.json.get('product_id')
    for item in cart:
        if item['id'] == product_id:
            cart.remove(item)
            return jsonify({'message': 'Item removed from cart'}), 200
    return jsonify({'message': 'Item not found in cart'}), 404

@app.route('/api/cart/clear', methods=['POST'])
def clear_cart():
    cart.clear()
    return jsonify({'message': 'Cart cleared'}), 200

@app.route('/api/cart/count', methods=['GET'])
def get_cart_count():
    total_items = sum(item['quantity'] for item in cart)
    return jsonify({'count': total_items})

if __name__ == '__main__':
    app.run(debug=True)

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