**Task 04-Bar Chart API**

app.get('/bar-chart', async (req, res) => {

const { month } = req.query;

const startDate = new Date(`2023-${month}-01`);

const endDate = new Date(`2023-${month}-31`);

const priceRanges = [

{ range: '0 - 100', min: 0, max: 100 },

{ range: '101 - 200', min: 101, max: 200 },

// Add more ranges...

];

const results = await Promise.all(priceRanges.map(async ({ range, min, max }) => {

const count = await Transaction.countDocuments({

dateOfSale: { $gte: startDate, $lt: endDate },

price: { $gte: min, $lt: max }

});

return { range, count };

}));

res.status(200).json(results);

});app.get('/bar-chart', async (req, res) => {

const { month } = req.query;

const monthMap = { January: 0, February: 1, March: 2, April: 3, May: 4, June: 5, July: 6, August: 7, September: 8, October: 9, November: 10, December: 11 };

const monthIndex = monthMap[month];

const startDate = new Date(2023, monthIndex, 1);

const endDate = new Date(2023, monthIndex + 1, 0);

const priceRanges = [

{ range: '0 - 100', min: 0, max: 100 },

{ range: '101 - 200', min: 101, max: 200 },

{ range: '201 - 300', min: 201, max: 300 },

{ range: '301 - 400', min: 301, max: 400 },

{ range: '401 - 500', min: 401, max: 500 },

{ range: '501 - 600', min: 501, max: 600 },

{ range: '601 - 700', min: 601, max: 700 },

{ range: '701 - 800', min: 701, max: 800 },

{ range: '801 - 900', min: 801, max: 900 },

{ range: '901 - above', min: 901, max: Infinity }

];

const results = await Promise.all(priceRanges.map(async ({ range, min, max }) => {

const count = await Transaction.countDocuments({

dateOfSale: { $gte: startDate, $lt: endDate },

price: { $gte: min, $lt: max }

});

return { range, count };

}));

res.status(200).json(results);

});