**Task 03-Statistics API**

app.get('/statistics', 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 totalSales = await Transaction.aggregate([

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

{ $group: { \_id: null, totalAmount: { $sum: '$price' }, totalSold: { $sum: 1 } } }

]);

const totalSoldItems = totalSales[0] ? totalSales[0].totalSold : 0;

const totalNotSoldItems = await Transaction.countDocuments({

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

price: { $eq: 0 }

});

res.status(200).json({

totalAmount: totalSales[0] ? totalSales[0].totalAmount : 0,

totalSoldItems,

totalNotSoldItems

});

});