**Task 02-List All Transactions**

app.get('/transactions', async (req, res) => {

const { page = 1, perPage = 10, search = '', 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); // Last day of the month

const query = {

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

$or: [

{ productTitle: new RegExp(search, 'i') },

{ description: new RegExp(search, 'i') },

{ price: search ? Number(search) : { $exists: true } }

]

};

const transactions = await Transaction.find(query)

.skip((page - 1) \* perPage)

.limit(Number(perPage));

const totalCount = await Transaction.countDocuments(query);

res.status(200).json({ totalCount, transactions });

});