Recruitment task Redvike | Node.js

Description

The task relies on creating a simple REST API for returning reservations from a given object. You will get the data from two files amenity.csv and reservations.csv.

Requirements

- using Node.js with Javascript or Typescript
- you can use any libraries / frameworks / databases
- use known good practices and patterns
- application tests are more than welcome
- solution should be sent as a link to the repository on GitHub / GitLab / Bitbucket
- commit history is important
- preparing an application for production deployment (Dockerfile, Docker Compose) would be nice

Tasks

1. Create an endpoint that takes the amenity object id and the timestamp of the day as parameters, and returns a list of all bookings from amenity with the given id and the selected day. The list of reservations should be sorted in ascending order by start time and contain the following data:

- reservation id
- user id
- start time in HH: MM format
- duration in minutes
- name of the amenity object

2. Create an endpoint that takes the user id as parameter, and returns a list of all bookings for this user grouped by days.

3. Create an endpoint that accepts a CSV file and returns data from this file, parsed to JSON. You can assume that data in the first row of a file are always headers.

For extra points:
4. Implement a simple username - password authentication. User should be able to create a new account and login to existing one. Store user information in a database of your choice.

5. Implement an access control for endpoint in task no 3. It should be available only for authenticated users. The other endpoints in the app should be accessible for everyone (for both unauthenticated and authenticated users).

Data

Amenity.csv

Id	Name
1	Massage room
2	Gym

Reservations.csv

Id	Amenity id	User id	Start time	End time	Date
1	1	2	300	480	1593648000000
2	2	4	360	420	1593820800000

Data format:
Date – timestamp of the day, hour 00:00
Start time / end time – minutes from an hour 00:00, exp. (300 – to 5:00)