Sanos Group

Backend Developer Assignment

Thank you for showing your interest in Sanos Group and for wanting to be part of Sanos Group Engineering.

Description

Sanos Group offers a mobile app aiming at supporting users to become non-smoker without struggle.

The mobile app collects information about a user's smoking behaviour, such as puff events. A puff event is an event that is triggered when a user takes a puff on the e-cigarette and contains a.o. the following fields "userId", "eventType" and "timestamp". All events are sent to and collected on the backend. An endpoint on the backend allows the mobile app to retrieve statistics to visualize the smoking frequencies per day over time.

Task

Implement a web service that supports tracking puff events and serves with the smoking frequencies per day for one or more specified completed, sequential week(s). The web service should be running as a Docker container.

A *jsonl* file with example puff event payloads is provided.

Requirements

The task is to be solved in **golang** or **python**.

FAQ

How much time do I have?

You get 5 days from the time you get this assignment.

How much time should I spend on this?

The assignment should take no more than 4 hours in total. Time is hard to find though.

Need any other clarification?

If you have any other questions, hit reply to the email this assignment was attached to or send us directly to: **oscar.morillo@sanosgroup.co**

Best of luck

Disclaimer

The dataset provided in the jsonl file is fictional and does not correspond to reality.