

The heatmap service

Your task is to build a REST API service that would be the backend for a simple heatmap app.

Requirements

You can use any PHP Framework you feel comfortable with as long as your solution meets the following criteria:

1. Your service provides an endpoint to store the following data:
 - a. Link – the url of the page that has been visited by the user
 - b. Link type – Can be one of either: product, category, static-page, checkout, homepage
 - c. Timestamp of the action
 - d. Customer identifier
2. Your service provides a way to answer the following questions:
 - a. How many hits did a link receive in a provided time interval?
 - b. How many hits did each page type receive in a provided time interval?
3. Based on a given customer identifier your service can provide the journey of that customer. (a list of all the links he accessed in a chronological order)
4. Based on the journey provided at point 3 above your service can provide a list of other customers that had the same journey

Version control & run environment

Ideally you will upload your project to a public version control system of your choice (github, gitlab, bitbucket etc.) but sending an archive with your solution is also ok. Please include a readme file with instructions. We will run your code on a docker container using php7.4-alpine or in a container based on a Dockerfile/docker-compose you provide in the project.

How will we evaluate your solution?

1. Code quality
2. Optimal usage of framework components (if a framework has been used)
3. Automated testing
4. Usage of SOLID principles and design patterns
5. Overall performance