

Digikala Infrastructure - CDN Task Assignment

Target

Create an Incident Report System

Technology Stack

Back-End: Python, Django, DRF

Front-End: Not anything strict but Vue.js is preferred.

Overview

We need a system to pull and also to create incident reports and show them to the users. This system should pull a URL every a few seconds to pull new incident reports from our monitoring systems.

This URL supports pagination by passing a parameter called `start` which is the position that report records will be returned.

For example:

URL: http://monitoring/get_incidents?start=0

Response:

```
[{ "incident": "A message", "position": 1}]
```

And the next time you pull the URL you should change the `start` value to `1` so the old reports won't be returned.

In addition to this pulling system, an admin should be able to create custom incident reports.

A front-end is required to show these reports to the users. Users should see new incident reports without the need to refresh the page.

Hints

- The project will be deployed using Docker.
- To test the system before deploying, we need unit and integration tests.
- Put your code in a public Git like GitHub.

Due Date

Five Days