

Aleksei Sergeev's assignment instructions

Init

To init project, just type next:

```
make init
```

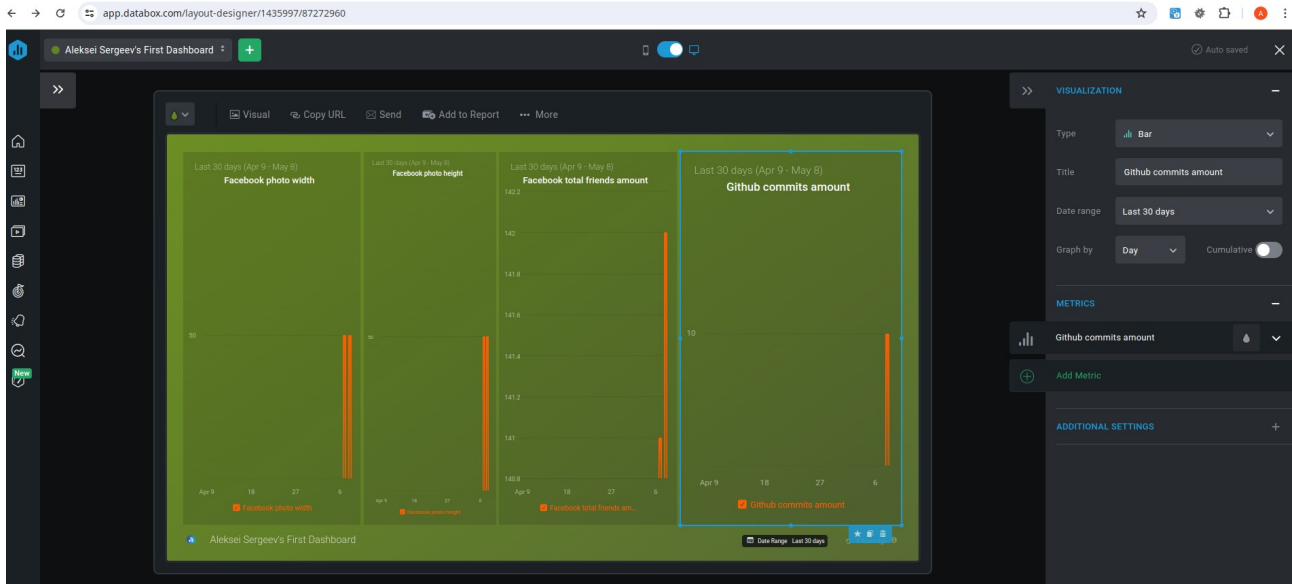
This command will copy `.env.example` to `.env`, then up and build Docker containers, then install composer plugins and run migrations and seeds

Technology stack: PHP 8.3, Laravel 11, PostgreSQL 10.

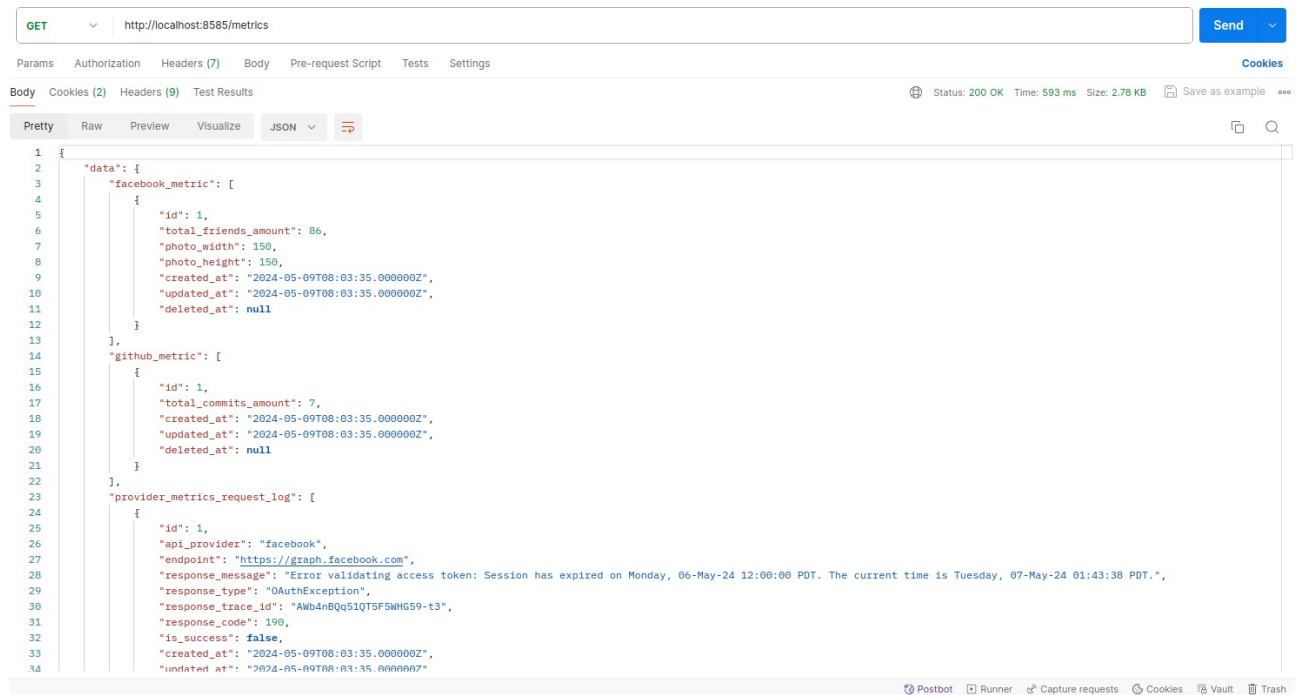
Integrations: Facebook and Github.

Link to Databox dashboard: <https://app.databox.com/layout-designer/1435997/87272960>

Email for Databox: otpixto@gmail.com



You can GET <http://localhost:8585/metrics> and see dummy data.



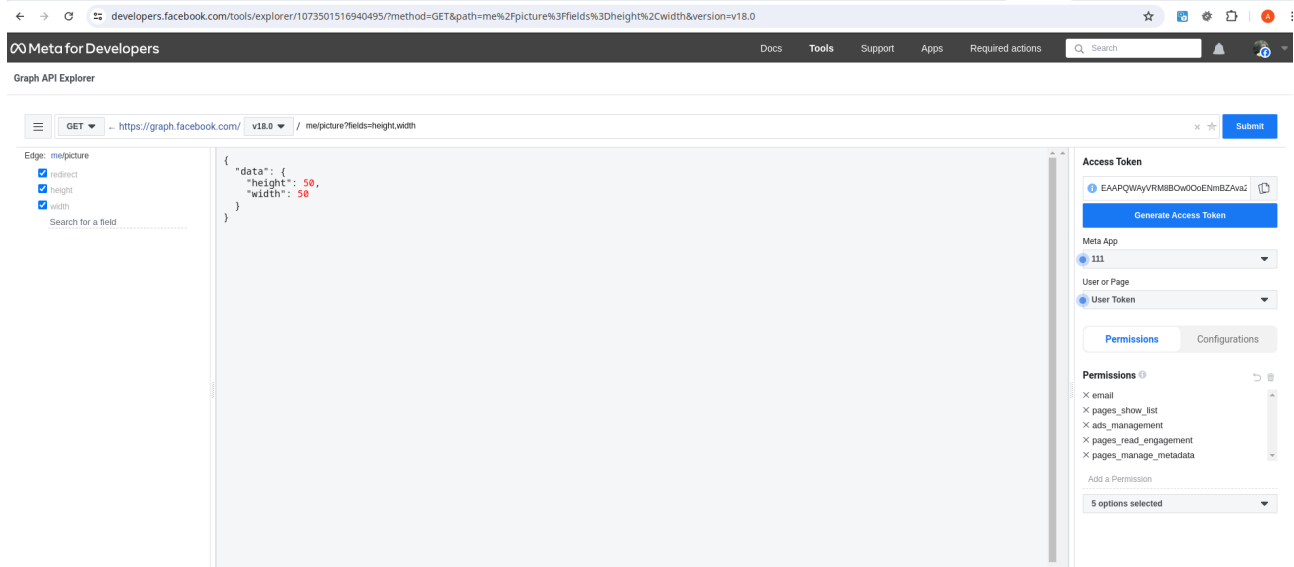
```
1 {
2   "data": {
3     "facebook_metric": [
4       {
5         "id": 1,
6         "total_friends_amount": 86,
7         "photo_width": 150,
8         "photo_height": 150,
9         "created_at": "2024-05-09T08:03:35.000000Z",
10        "updated_at": "2024-05-09T08:03:35.000000Z",
11        "deleted_at": null
12      }
13    ],
14    "github_metric": [
15      {
16        "id": 1,
17        "total_commits_amount": 7,
18        "created_at": "2024-05-09T08:03:35.000000Z",
19        "updated_at": "2024-05-09T08:03:35.000000Z",
20        "deleted_at": null
21      }
22    ],
23    "provider_metrics_request_log": [
24      {
25        "id": 1,
26        "api_provider": "facebook",
27        "endpoint": "https://graph.facebook.com",
28        "response_message": "Error validating access token: Session has expired on Monday, 06-May-24 12:00:00 PDT. The current time is Tuesday, 07-May-24 01:43:38 PDT.",
29        "response_type": "OAuthException",
30        "response_trace_id": "AWb4nBQq51QT5F5WHG59-t3",
31        "response_code": 190,
32        "is_success": false,
33        "created_at": "2024-05-09T08:03:35.000000Z",
34        "updated_at": "2024-05-09T08:03:35.000000Z"
```

There is 4 tables in database:

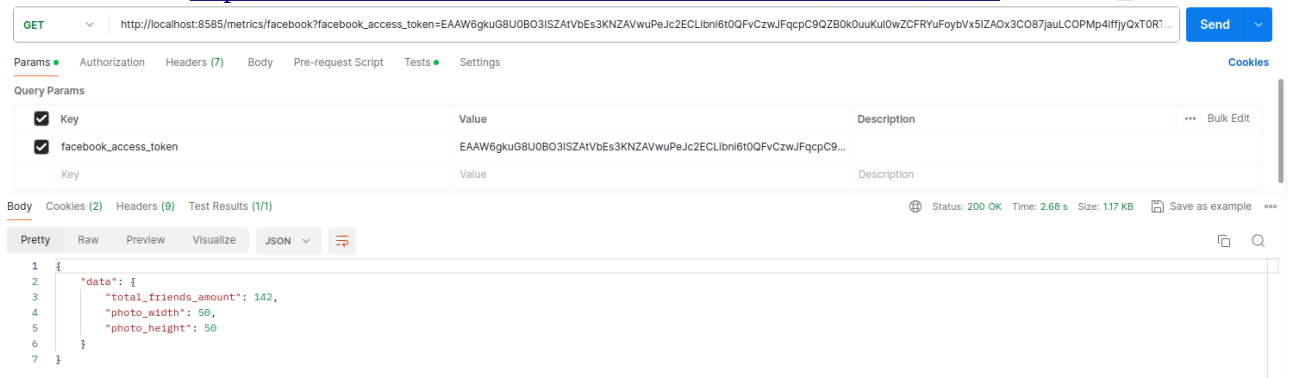
- facebook_metrics
- github_metrics
- provider_metrics_request_logs (logs of requests to Facebook and Github)
- databox_metrics_request_logs (logs of requests to Databox)

To handle Facebook metrics, you have to get Facebook access token here

<https://developers.facebook.com/tools/explorer/>



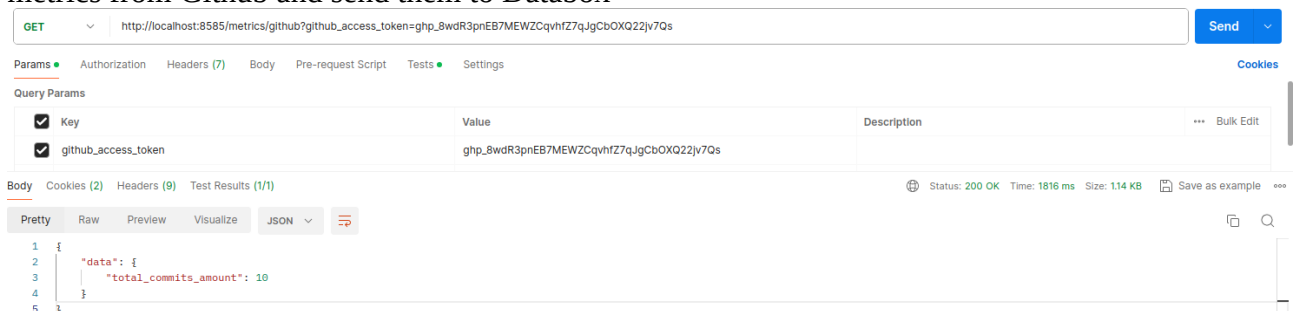
After that run http://localhost:8585/metrics/facebook?facebook_access_token=<access_token>



This will take 3 metrics from Facebook (total_friends_amount, photo_width and photo_height) and send it to Databox.

You can run <http://localhost:8585/metrics> again and see results.

Now run http://localhost:8585/metrics/github?github_access_token=<github_access_token> to get metrics from Github and send them to Databox



The main controller is app/Http/Controllers/MetricsController.php, all 3 request methods are here. All handling logic is in GithubMetricsService and FacebookMetricsService. Both services extend MetricsService, which contains common logic for both services.

To add functionality to periodically send trigger, I would use Cronjob – the simplest tool with convenient management.