

Beyond Backend Developer Task

At Beyond we absolutely love working with the latest technologies and take great care in producing solid apps and user friendly, aesthetically pleasing interfaces for our clients.

Before we get you in for a chat we would love to see you in action so have put together a small task for you to showcase your ninja coding skills.

We would like you to develop a simple application called “The battle of the hashtags”.

The application should allow an administrator to create ‘battles’ between two hashtags, comparing the number of typos in tweets tagged with them. After a predetermined amount of time, the winning hashtag will be the one with the smallest total number of typos.

The technical requirements are as follows:

- Python and Django should be used
- Data should be stored on an SQL based datastore
- Security aspects should be taken into consideration
- Delivery needs to happen through a git repository with run instructions

The functional requirements are as follows:

- As an admin, I should be able to use a CRUD to configure battles (Create, Retrieve, Update, Delete)
- As an admin, I should be able to specify how long a battle will run for, with start and end date times (please use a datepicker)
- As an admin, I should be able to login/logout

There is no frontend required for this exercise, however, an API endpoint should be exposed to return the current result for a specific battle id, in JSON format. It should return the battle name, start and end date times, the hashtags and their number of typos and which one is the winner at that moment.

As a developer we realise how busy you must be, but if you do get some time and want to take things further, here are some suggestions to enhance the app:

- Use docker images
- Use different comparison parameters to define victory (longer tweets, most frequent, etc)

- Build a simple frontend
- Extend the API to also allow battles to be created with a POST request
- Anything else you can think of that would benefit this app

We really appreciate you dedicating your time to go through this exercise and hope to speak to you soon.