

Backend Developer Test

Brief

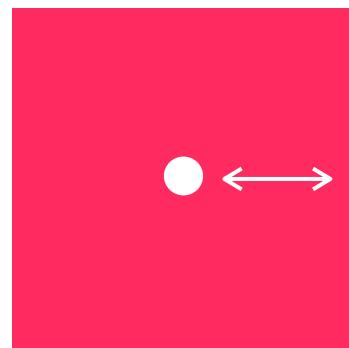
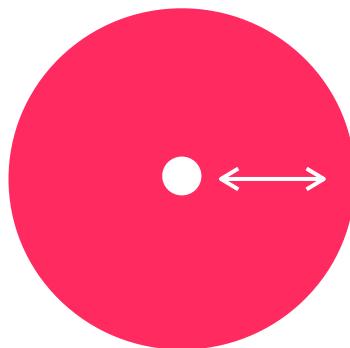
1. This coding test has been designed to assess the coding ability of potential candidates for a Backend Developer role at Spotlas.
2. Once you have completed the test please upload your project on GitHub and email the link to wasil@spotlas.com as well as a max 7 minute video explaining and presenting your code and solution.

Task 1 | Query

Write a Query (or as PL/SQL function) that includes the following points below.

- Return spots which have a domain with a count greater than 1.
- Change the website field, so it only contains the domain.
 - Example: <https://domain.com/index.php> → domain.com
- Count how many spots have the same domain.
- Return 3 columns : spot name, domain and count number for domain.

Task 2 | Endpoint



Create an endpoint which returns spots in a circle or square area.

Although the task is short, clean code and a good project structure is still very important.
This task must be completed in Golang.

1. Endpoint should receive 4 parameters
 - Latitude
 - Longitude
 - Radius (in meters)

- ▶ Type (circle or square)
2. Find all spots in the table (spots.sql) using the received parameters.
3. Order results by distance.
- ▶ If distance between two spots is smaller than 50m, then order by rating.
4. Endpoint should return an array of objects containing all fields in the data set.

Resource

- <https://postgis.net>.
- spots.sql