

Backend Developer Test

Brief

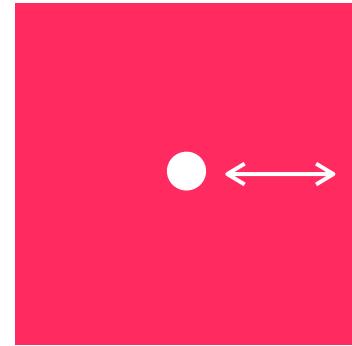
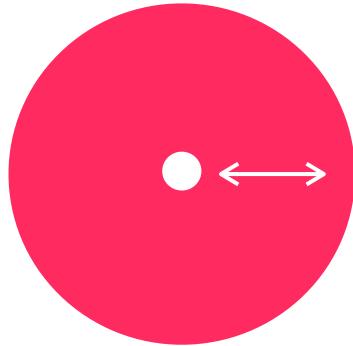
1. This coding test has been designed to assess the coding ability of potential candidates for a Backend Developer role at Spotlas.
2. Once you have completed the test please upload your project on GitHub and email the link to wasil@spotlas.com.

Task 1 | Query

Write a Query

1. Change the website field, so it only contains the domain.
 - › Example: <https://domain.com/index.php> → `domain.com`
2. Count how many spots contain the same domain
3. Return spots which have a domain with a count greater than 1
4. Make a PL/SQL function for point 1 above. [Bonus]

Task 2 | Endpoint



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

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.](https://postgis.net)