<p align="center"><strong style="color:#ff1f5a">Backend Developer Test</p>
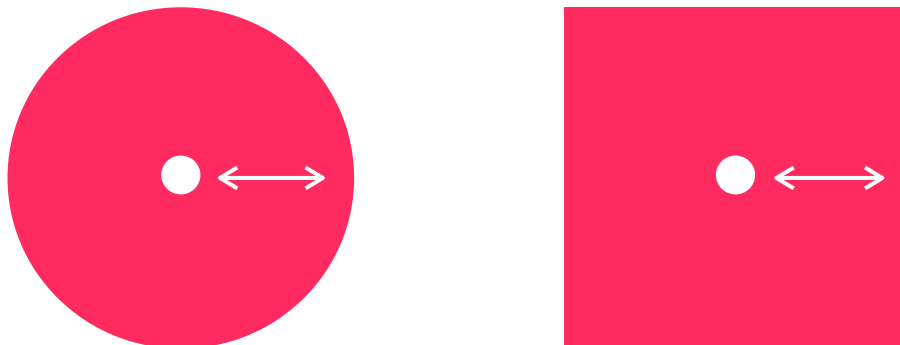
Brief

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