

## Frontend Developer Test

### Brief

- 1. This coding test has been designed to assess the coding ability of potential candidates for a Frontend 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](mailto:wasil@spotlas.com) as well as a screen recording demonstrating your solutions.**

### Task 1 | Feed

- Implement the Feed Tab from the Spotlas App using the designs and endpoint provided in the Resources below.**

### Resources

- Endpoint**
  - <http://161.35.162.216:1210/interview/home/reel?lat=51.5&lon=-0.17&page=1>
- Design**
  - <https://www.sketch.com/s/1e46d19f-fa35-4633-b40a-f8857df598a2>
  - Design section contains the Feed Tab designs including all positions and paddings.
  - Mechanics section contains specific requirements flows to be implemented.

### Requirements

- Recommendation View**
  - Implement the image slider for multiple images.
  - Implement User & Spot details with shadows.
  - **Bonus** - Implement action for saving Recommendation.
- Toolbar**
  - Implement the toolbar UI only with no actions.
  - **Bonus** - Implement action for Liking Recommendation.
- Caption**
  - Implement the open and close animation to show the full & partial caption.
  - minimum lines = 3
  - **Bonus** - Attach a more or less label at the end of the caption when open or closed.
- Tags**

- Implement the tags view UI only with no actions.
- **Pagination needs to be implemented and infinite loading/scrolling should be fast and smooth with no performance impacts.**
- **Pay close attention to detail and match the UI as closely to designs requirements.**
- **Component reusability is important, try to keep widgets separate and reusable.**

## Task 2 | Map

- **Implement the Home Map from the Spotlas App using the endpoint provided in the resources below.**

## Resources

- **Endpoint**
  - [http://161.35.162.216:1210/interview/home/markers?  
zoom=15&lat=51.5&lon=-0.17](http://161.35.162.216:1210/interview/home/markers?zoom=15&lat=51.5&lon=-0.17)
    - Zoom - Map zoom level.
    - Lat & Lon - Map centre.

## Requirements

- **Use the following coordinates as the centre of the map.**
  - (51.5, -0.17)
- **Display all markers returned from the endpoint on the map**
  - Use the markerUrl to download and display the marker image.
- **Using the score variable returned with each marker, Implement an algorithm which only shows the highest scored marker when more than one marker begins to overlap.**
- **Tapping on a marker should show walking route from the centre location to the marker.**
  - Design the route to match with our Spotlas Branding.