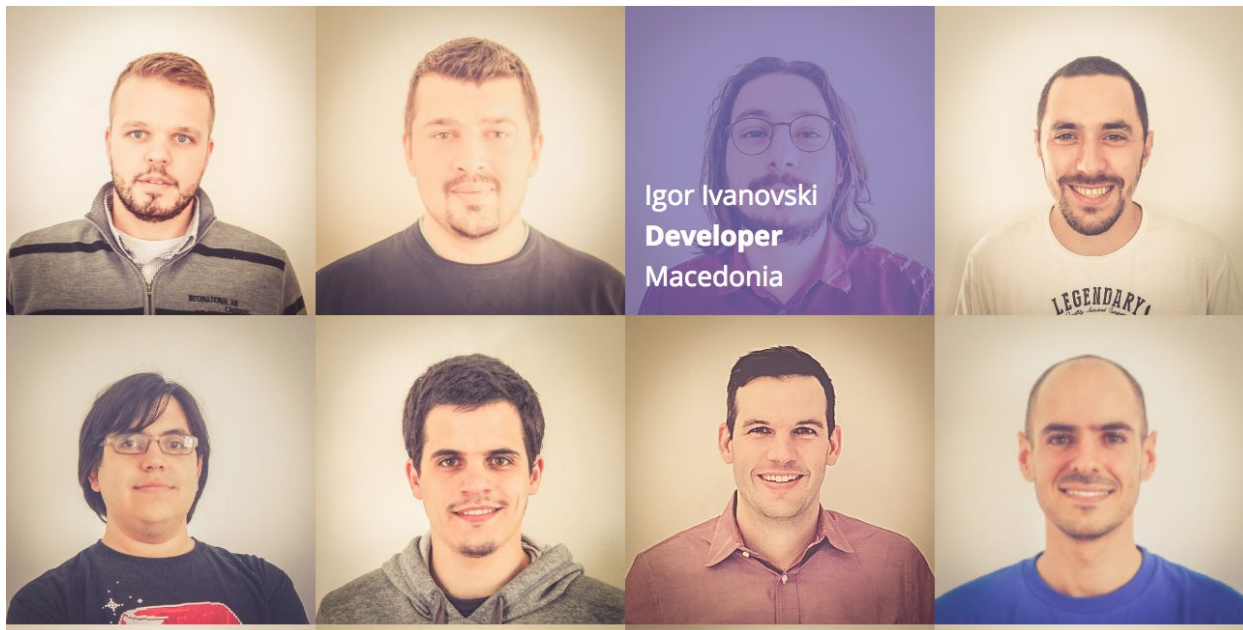# Java Candidate Test Challenge

Goal: Create a website that shows the pictures and names of the Tarmac people and a Rest API to fetch the data. When opening the app, a grid should appear showing thumbnails of the pictures of the different people in Tarmac, and when hovering over an image it will show their names superimposed (use the tarmac web page as an example https://tarmac.io/). You will also need to add a filter by role and city at the top of the web page.

Example of the grid without the filter:

Use the json data from
https://gist.githubusercontent.com/ricardoul/c25bd1ade4d0977ab9bf660fae8dcc81/raw/feaa8243af1b324a995e9a0b3c047b2a79d6cd83/tarmac-team.json

The json returned by that endpoint is an array of objects like this:

```
{
    "name": "John Doe",
    "role": "Developer",
    "city": "Montevideo"
  }
```

The person's picture can be constructed from the pic attribute like this:http://tarmac.io/assets/members/<name to lowercase and spaces replaced by hyphen(-) >.png. So in the above example, the picture can be obtained from http://tarmac.io/assets/members/john-doe.png

Tools:

For the Rest API:

- Use Spring Boot or Grails.
- CRUD Api for managing people.
- Use MVC.
- Add a method to parse the json file and populate the db from there, please don't load it manually on the db.
- Choose your preferred database.
- You can use any libraries/plugins that you feel comfortable.
- Need to support pagination and filter by role and city.

For the Web Page:

- Use the framework that you feel more comfortable or vanilla js.
- Should consume the previous created API.
- Paginate results.

Push the solution on a public repository in a dev branch, and create a PR with your code, include a README.md file and specify any tools that you used, how to run the app and comments.

Make your own assumptions and document it.

You can add any feature you want, or feel that is needed.

When ready send us the PR link.

Happy development!