

# Django Coding Test

The purpose of this coding test is to evaluate your skills using Python and the Django web framework.

## The problem

The IGS team is growing every month and now we need to have some applications to manage employee information, such as name, e-mail, and department. As is the case with all applications written at IGS, it must have an API to allow integrations.

## Deliverables

"IGS-Software Manager" app must have:

- A Django admin panel to manage employees and departments data.
- A Django API with methods to:
  - list, add and remove employees
  - list, add and remove departments
- A Django public website (non-admin, without authentication) with a simple table listing of all registered employees.

## Acceptance Criteria

- The project code should be delivered to a github.com repository, with instructions in a README file about how to successfully run it
- There should be independent (but related) models for *employee* and *department*
- All fields should be of the most coherent data types and have relevant validators

## Bonus points!

- Feel free to include additional features in the project if you have the time and knowledge to do it – like improving testability, readability, delivery, development environment, or the API documentation.

## API example (List)

Request:

```
curl -H "Content-Type: application/javascript"  
http://localhost:8000/employee/
```

Response:

```
[  
{  
  "name": "Jose da Silva",  
  "email": "jose.silva@igs-software.com.br",  
  "department": "Tester"  
},  
{  
  "name": "Jose dos Santos",  
  "email": "jose.santos@igs-software.com.br",  
  "department": "Developer"  
},  
{  
  "name": "Jose Lima",  
  "email": "jose.lima@igs-software.com.br",  
  "department": "RH"  
}  
]
```