

REST API for Company Data

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1 Objectives

Implement a service for the management of data for some company, exposed as a REST API.

2 Tasks

The data to be manipulated involves company departments and employees. The service should allow both adding, updating and reading data. In more detail, the service should allow:

- Adding a department, by name; obtaining information about a department; updating the information about a department; obtaining a list of departments.
- Adding an employee, with automatically assigned employee ID by the service; obtaining information about an employee; updating the information about an employee; obtaining a list of employees.
- Assigning/moving an employee to a department (removing from the current department, if needed); removing an employee from a department; listing employees of a given department.
- Removing department, not allowed if it has some employee; removing employee, not allowed if it belongs to some department.