**The Task**

Our client has recently acquired a new office building. Over 30+ companies are moving into this prime location. The building finds a need to develop a digital directory screen in the building lobby to display the company names.

Now the front-end designer has given you a web app UI design with mock data running. You are asked to enable the editing (CRUD) of this directory screen with MVC and connect it to the database.

**Tech Spec**

* Find a front-end inline editor to enable the CRUD
* C# .NET MVC to provide a Web Service interfacing the CRUD
* Implement a logging framework (e.g. NLog/Log4Net) to record and display data in modal
* Entity Framework to properly model and manage SQL database
* Create a simple microservice and deploy it to an endpoint to run the web app
* Don’t worry about IE/Edge. It just have to run on a Chrome compatible browser.

Here is an example of the data structure:

**Directory**

id: int

company: string

level: string

suite: string

**Log**

id: int

directory\_id: int

field: string

from: string

to: string

datetime: date

The building is now counting on you to conduct its business. Have fun coding! ;)