Employee Mockup WebDemo.

1. General Aspects:

The product consists of a web system that allows the management of employees, it seeks to offer a simple and intuitive navigation. Above all, it seeks to meet the objectives sought by the client.
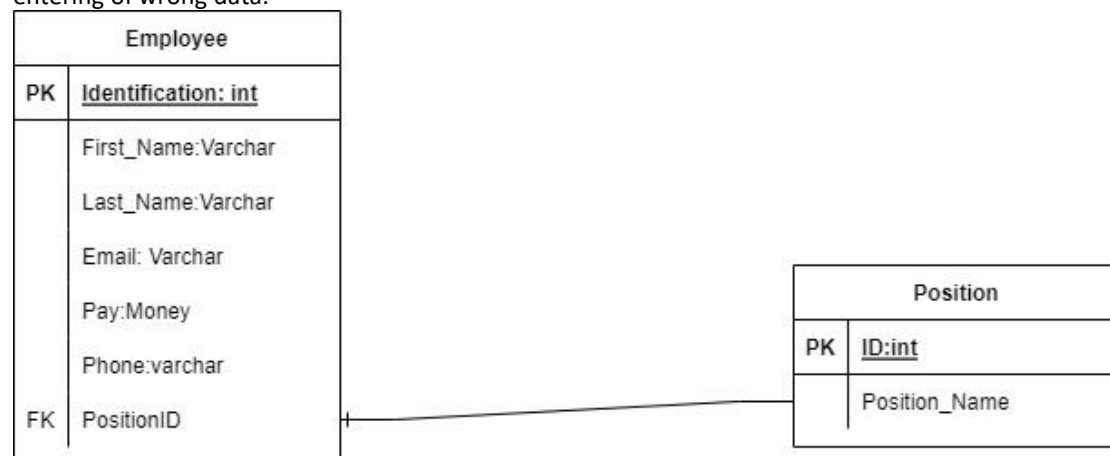
2. Technologies and tools:

The Microsoft tools, .Net Core and SQL Server, will be used for the creation of the system. They were chosen for their stability, and for being managed by the development team, which reduces time and costs.

.Net core allows the creation of a robust, maintainable and expandable system in the future. On the other hand, the choice of a relational database is given taking into account a future expansion of the system for a management of other objectives by the client. The choice of SQL Sever comes hand in hand with .NET Core as both are Microsoft products, which ensures a better cohesion between the data persistence layer and the view layer.

3. Data Model

In this case, the data model is simple consisting of two tables, a Employee table and a Position Table. The position table is created with the objetive of conservate the data consistency and avoid the entering of wrong data.

The fields in this data model can be modified with the feedback of the client to fulfill it's needs.

4. User Interaction

   a) Main View:
- i. The main view consists on a table displaying basic information of the employees, enough to identified them.
- ii. Each row have tree buttons: "Edit", "Delete" and "Details"
- iii. At the top is a button to create a new Employee, this button redirects to the new Employee form.

   b) Create View
- i. Consists on a form to fill all the needed details to create a new employee.
- ii. The position field is a drop down view filled with the data obtained from the DB to ensure data consistency.
- iii. The Identification, Phone, and pay only accept numbers.

   c) Edit View
- i. Consists in the same form as the described in Create View
- ii. The Identification, First_Name and Last_Name are not editable.

   d) Details View
- i. This view displays all the details of the selected employee.
- ii. At the bottom of the view it has a edit button.

        iii.   At the bottom of the view it has a "Go back" button, to facilitate the navigation on the system.

e) Delete View
        i.   It is made wit the purpose of confirm the desire of the user to delete the employee.
        ii.   It has a button to cancel the interaction.