SOFTWARE REQUIREMENTS SPECIFICATIONS

Company Directory
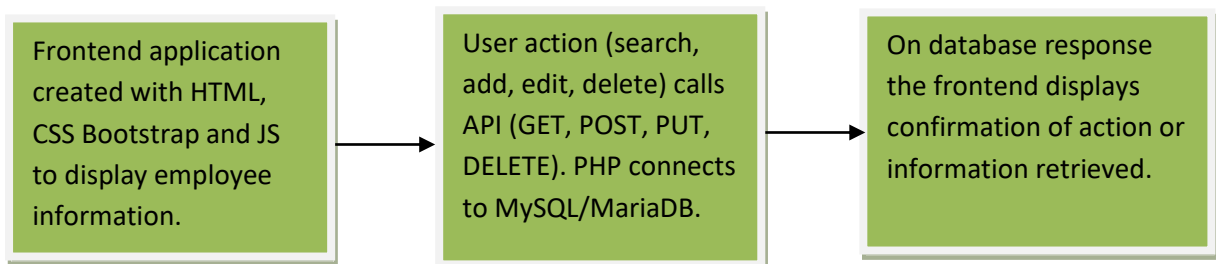
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1. INTRODUCTION

This document is a response to the brief submitted by Paddy Evans. It presents a high level view of the main system functionality along with some sample screen layouts to facilitate better understanding of the proposed solution. Acceptance of this document by the sponsor will initiate a formal system development project that will be designed and built according to prevailing company standards.

2. PRODUCT DECRIPTION

2.1 SCOPE

The product is intended to be a standalone, single page application that is designed to be mobile first, but work equally as well on desktops. The application will allow the user to manipulate the database using a simple interface which connects front-end components to server side endpoints to achieve this result.

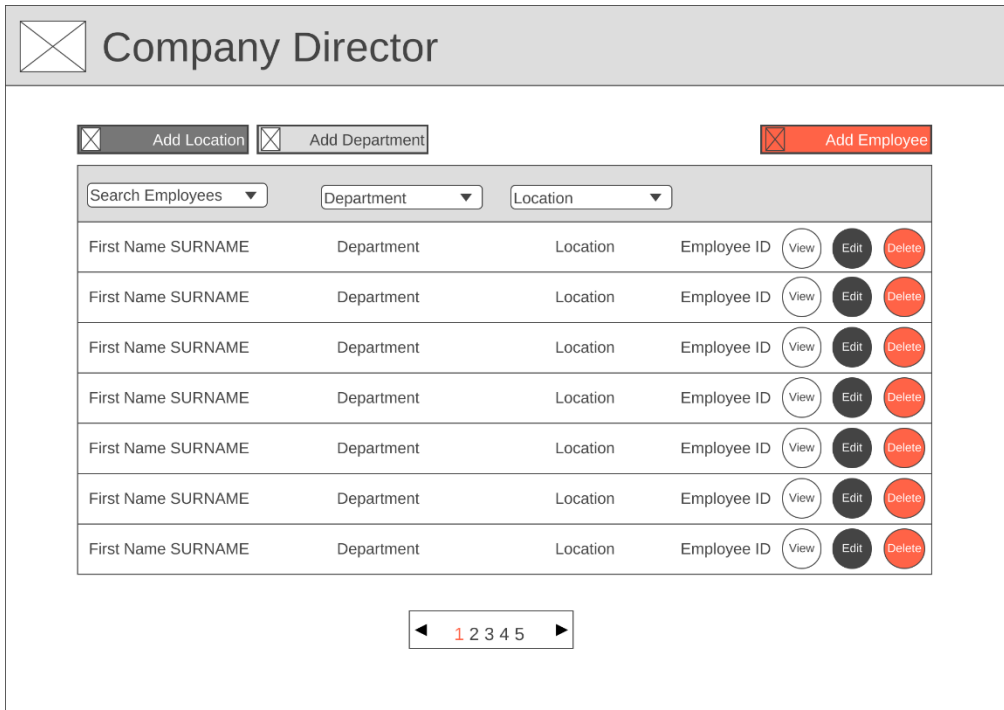| Frontend application created with HTML, CSS Bootstrap and JS to display employee information.	→	User action (search, add, edit, delete) calls API (GET, POST, PUT, DELETE). PHP connects to MySQL/MariaDB.	→	On database response the frontend displays confirmation of action or information retrieved.

2.2 PRODUCT FEATURES

The application will be developed using the following:

- HTML/CSS/JavaScript with Bootstrap framework
- PHP (JSON data interchange)
- MariaDB (Create, Read, Edit and Delete).

The wireframe model below demonstrates the proposed layout and functionality:
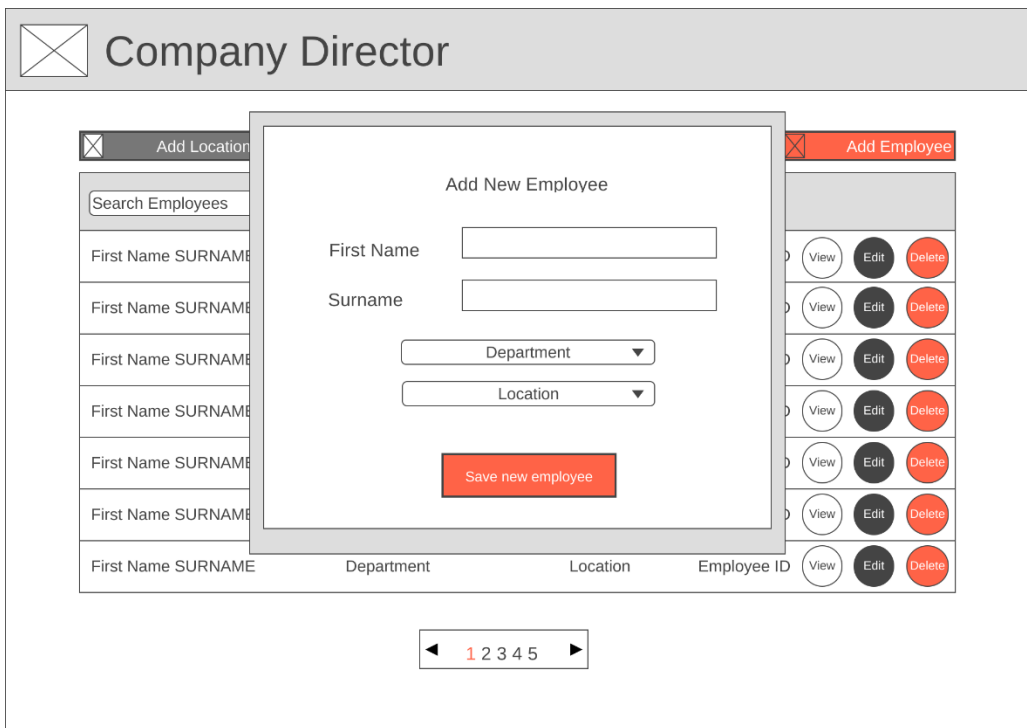
On load the application will retrieve and display records for each staff member with their associated department and location. Each employee

record will be displayed as a table row with a 'View', 'Edit' and 'Delete' button. Additional information will be displayed as supplied.

To accommodate business growth the user can add an employee, a department or a location. When the user clicks an Add button a modal will be displayed prompting the input of standard information. The inputted data will be validated and then posted to the database prompting a confirmation message. The example modal is shown below.
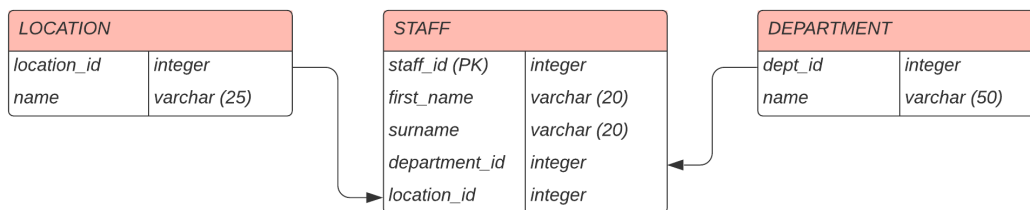
To allow for an employee moving on, there is a 'delete' button associated with each employee record. When clicked a modal will ask for confirmation before a DELETE statement is made on the database. The response will initiate a confirmation.

An edit option will be displayed alongside each employee record. When clicked the modal will display a pre-filled form and the user will be prompted to make changes to the name, location or department as required. The changes will be validated and the record will be updated in the database. The response will initiate a confirmation.

It will be possible to search on any combination of name, department or location.

Based on the brief the SQL database will have the following schema, with any additional data welcome and accommodated.

LOCATION	
location_id	integer
name	varchar (25)

STAFF	
staff_id (PK)	integer
first_name	varchar (20)
surname	varchar (20)
department_id	integer
location_id	integer

DEPARTMENT	
dept_id	integer
name	varchar (50)

Acceptance of this document will initiate the development of the system.

Sign off: Paddy Evans

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