JOBMASTER

INDEX

1. Version Control

V.1.1	In this initial version of the report, we have added: - **General description of our project (Description, objective, and target audience).** - **Functional and non-functional requirements.** - **Mockups.** - **Use case diagram.** - **Textual descriptions.** - **Database.** - **Functional testing cases.** - **Planning.**
V.1.2	In this second version of the report, we have added: - **Updated mockups.** - **Updated use case diagram.** - **Updated textual descriptions.** - **Tables were updated and added to the database.** - **News functional testing cases.** - **Planning.** - **Innovation**
V.1.3	In this final version of the report, we have added: - **Updated mockups.** - **Added 3 manuals.** - **Added functional requirements for each member of the group.**

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2. General description

JobMaster is a workforce management platform aimed at small businesses, where administrators can optimize their employee management more efficiently. This platform resolves the question of whether a free, fast, and effective employee management software is possible.

The goal of our platform is to streamline the process of managing employees and documents, track both absences and attendance, automate invoicing, etc.

Additionally, employees can view their schedules in an organized manner, clock in and out for their shifts, and access their own documents within the platform.

Lastly, this platform is primarily targeted at a real company named Metaltres, which manufactures conveyor belts. Metaltres is a small company with few employees and would like to use our tool to simplify their employee management process.

3. Functionals and non-functional requirements

Functional requirements:

Administrator:

- **As an administrator, I want to create and manage employee profiles to maintain an accurate record of the company's personnel.**

- **As an administrator, I want to establish work schedules for each employee, including shifts, days off, and vacations, to manage workforce planning effectively.**

- **As an administrator, I want to generate detailed reports on employee attendance and performance to track productivity and make informed decisions regarding workforce management.**

Employee:

- **As an employee, I want to access my profile to view my personal**

information, including contact details and communication preferences.

- **As an employee, I want to easily record my working hours, including overtime and absences, to ensure more accurate compensation.**

- **As an employee, I want to be able to quickly and easily request days off through the platform, with the option to attach justifications if necessary.)**

Non-functional requirements:

Security: Ensure that employee data is highly secure and protected against unauthorized access.

Performance: Guarantee fast response times for information viewing and report generation.

Scalability: Ability to handle growth in the number of employees and data without losing performance.

Usability: Ensure that the user interface is intuitive and easy to use, even for non-technical users.

Compatibility: Ensure the platform is compatible with different web browsers, devices, and operating systems.

Maintainability: Facilitate the addition of new features and bug fixes over time without impacting platform functionality.

4. Mockups

LOGIN

ADMINISTRATOR:

DASHBOARD

LIST EMPLOYEES

VIEW EMPLOYE DETAILS

EDIT EMPLOYEES

Job Master

Panel de control
Empleados
Documentos
Presupuesto
Horarios
Ausencias
Incidencias
Configuración
Cerrar sesión

✎ **Editar empleado**

Información personal

Nombre

Apellido

Fecha de nacimiento

País

Género

Email

Teléfono

Foto

Selecciona un archivo | **Ningun archivo seleccionado**

Dirección

Dirección

Ciudad

Código Postal

Credenciales

NIF

Guardar   Cancelar

ADD EMPLOYEE

DOCUMENTS

ADD DOCUMENTS

LIST INVOICES

ADD INVOICES

Job Master

- Dashboard
- Empleados
- Documentos
- **Presupuesto**
- Ausencias
- Incidencias
- Configuración
- Cerrar sesión

Admin

Crear fatctura

Datos empresa:

Nombre:

Teléfono:

NIF:

Email

Dirección:

Población

Código postal:

Datos del cliente

Nombre:

Teléfono:

NIF:

Email

Dirección:

Población

Código postal:

Informacion

Concepto	Precio	Cantidad	Dto. %	IVA %	IRPF %	
						🗑

+ Añadir nuevo concepto

Base Imponible:	3 €
Descuento:	3 €
IVA:	3 €
IRPF:	3 €
Total:	3 €

Crear Presupuesto   Cancelar

11

EDIT INVOICES

Job Master

🔔 Admin 👤

Dashboard
Empleados
Documentos
Presupuesto
Ausencias
Incidencias
Configuración
Cerrar sesión

✏️ **Editar facturas**

Datos empresa:	Datos del cliente

Datos empresa:

Nombre:

Teléfono:

NIF:

Email

Dirección:

Población

Código postal:

Datos del cliente

Nombre:

Teléfono:

NIF:

Email

Dirección:

Población

Código postal:

✏️ **Informacion**

Concepto	Precio	Cantidad	Dto. %	IVA %	IRPF %	🗑️

+ Añadir nuevo concepto

Base Imponible:	3 €
Descuento:	3 €
IVA:	3 €
IRPF:	3 €
Total:	3 €

Crear Presupuesto   Cancelar

SCHEDULE ADMIN

Job Master

Hola Admin
Hora: 14:45 p.m. | Fecha: viernes, 12 de enero 2024

Panel de control
Empleados
Documentos
Presupuesto
Horarios
Ausencias
Incidencias
Cerrar sesión

Horario de Merche

< > Hoy

May 2024

Mes Semana Dia

LUNES	MARTES	MIERCOLES	JUEVES	VIERNES	SÁBADO	DOMINGO
1	2	3	3	4	5	6
10:00-12:00	11:00-19:50	11:00-19:50	05:00-12:00	20:00-23:00		
7	8	9	10	11	12	12
10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00		
14	15	16	17	18	19	20
10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00		
21	22	23	24	25	26	27
10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00		
28	29	30	31			
10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00			

Agregar Turno

Titulo:

Fecha de entrada

Fecha de salida

Hora de entrada
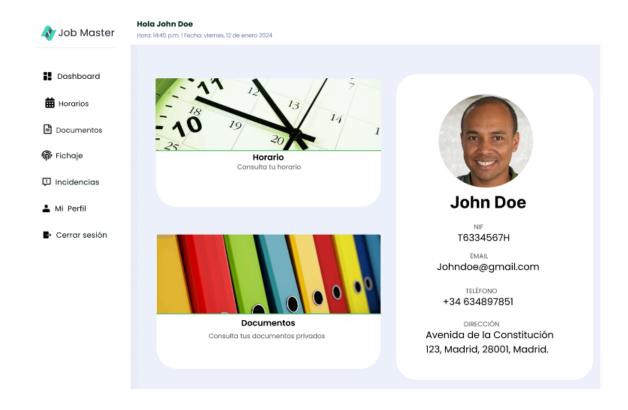
Hora de salida

Agregar   Volver
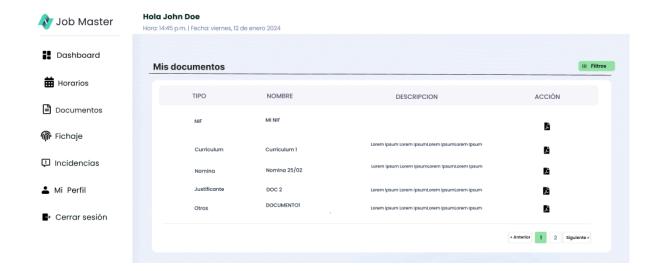
ABSENCES

ADD ABSENCES
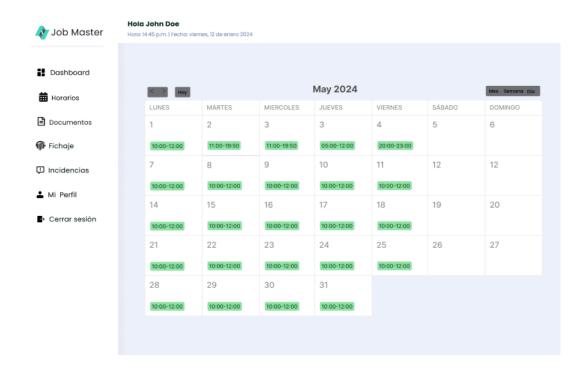

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INCIDENTS

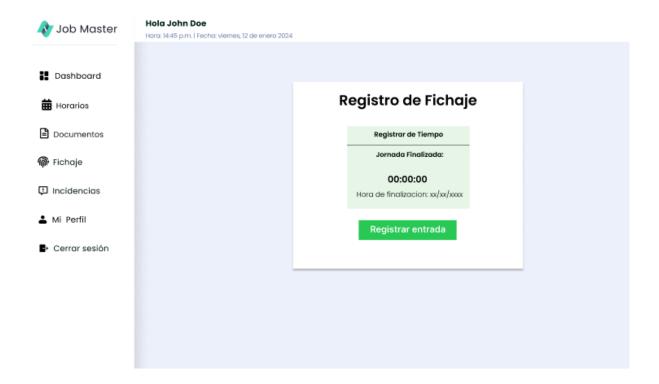# EMPLOYEE:

DASHBOARD EMPLOYEE
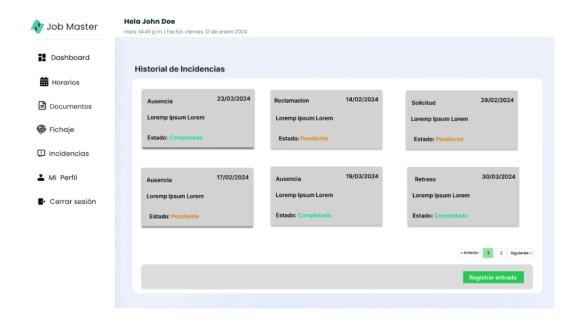
DOCUMENT EMPLOYEES

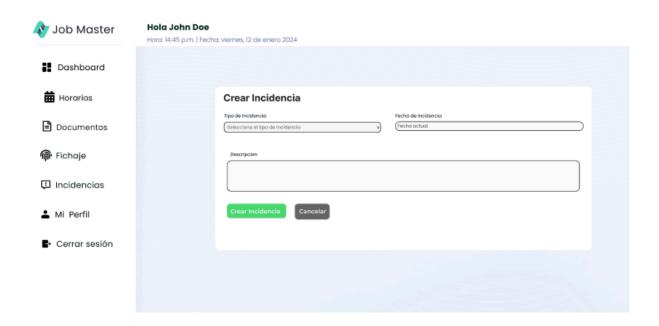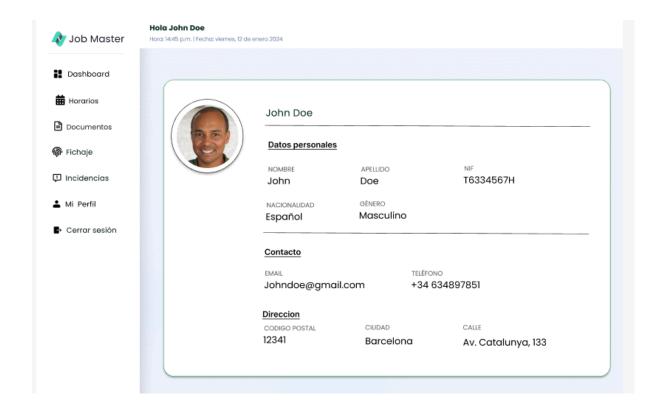# SCHEDULE EMPLOYEE

ATTENDANCES EMPLOYEE

INCIDENTS EMPLOYEE
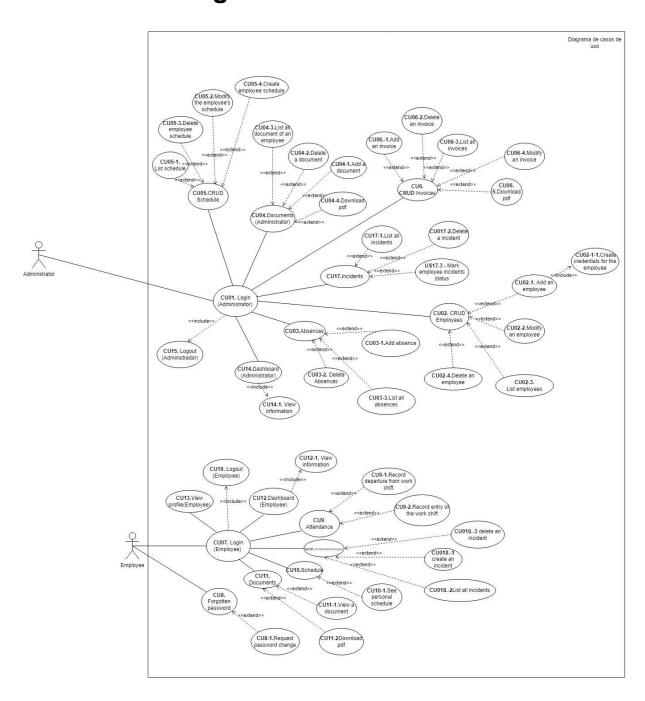
ADD INCIDENT EMPLOYEE

MY PROFILE EMPLOYEE

RECOVER PASSWORD

REQUEST PASSWORD

5. Use case diagram

Diagrama de casos de uso

Link to the use case diagram

6. Textual description (UC)

SPRINT 1:

Administrator

Name:	CU01-Login (Administrator)
Author:	Daniel Rub
Date	02/04/2024
Description	The administrator user can log in with there unique credentials to access the system's functionalities.
Actors	Administrator
Preconditions	The administrator must have valid credentials created. The admin must access the system login page.
Normal Flow	1. The administrator accesses the login page. 2. The administrator enters the credentials in the login form. 3. The administrator inputs the credentials. 4. The system validates the credentials. 5. If they are valid, the system redirects the administrator to the dashboard.
Alternative Flow	If the credentials are invalid, it displays an error and the form will appear again. 1. If the user's credentials are invalid during the login process: 1.1. The system displays an error message indicating that the credentials provided are incorrect. **Error message**: *"Las credenciales ingresadas son inválidas. Por favor, verifique su nombre de usuario y contraseña."* 1.2. The system prompts the user to enter their credentials again. 1.3. The user makes corrections to their credentials. 1.4. The user resubmits the login form. 2. The system re-attempts to authenticate the user with the corrected credentials. 3. If the credentials are valid, the system logs the user into the system according to the normal flow.
Postconditions	The administrator has successfully logged in and can access all functionality for their role within the web application.

Name:	CU02-CRUD Employees (Administrador)
Author:	Daniel Rubies
Date	02/04/2024
Description	The administrator user can view employees and manage them by creating, deleting, and modifying employee information.
Actors	Administrator
Preconditions	The administrator must be logged in.

Normal Flow	CU02-3. List employees
	1. The administrator selects the Employees "*Empleados*" option from the side navigation menu.
	2. The system retrieves and displays a list of all existing employees.
	3. The administrator can view the details of each employee in the list, including their name, email, contact information, etc.
	The administrator can also perform the following actions:
	- CU02-1.Add an Employee:
	1. The employee selects the employee "*Empleados*" option from the side navigation menu.
	2. The system displays the list of existing employees.
	3. The administrator selects the "*Agregar*" add option to add an employee.
	4. The system presents the employee form with empty fields for the employee to fill out for creating a new employee.
	Personal Information "*Información personal*":
	a. Name "*Nombre*" (Required, letters only, max: 20 characters).
	b. Surname "*Apelido*" (Required, letters only, max: 20 characters).
	c. Date of Birth "*Fecha de Nacimiento*" (Required, format: dd/mm/yyyy).
	d. Nationality "*Nacionalidad*" (Required,Only letters are allowed, Maximum length: 20 characters).
	e. Gender "*Género*" (Required, the option to select between "Male" or "Female").
	f. Email "*Email*" (Required, valid email format).
	g. Phone "*Teléfono*"(Required, valid phone number format).
	h. Address "*Dirección*":
	● Street "*Calle*" (Required,Alphanumeric).
	● Number "*Número*" (Required,Only numeric characters are allowed.).
	● City "*Ciudad*" (Required,Only letters).

- Postal Code "*Código postal*" (Required,Only numeric characters are allowed.).

i. Photo (Required, allow file selection).

Documents "*Documentos*":

a. Contract "*Contrato*" (Optional, allow file selection).
b. ID "*NIF*" (Optional, allow file selection).
c. Resume "Curriculum" (Optional, allow file selection).
d. Work History "*Vida Laboral*" (Optional, allow file selection).
e. Payroll "*Nómina*" (Optional, allow file selection).
f. Justification document "*Justificante*" (Optional, allow file selection).

Create Employee Credentials:

Credentials "*Credenciales*"

a. ID "*NIE*" (Required, format: 8 digits and one letter).
b. Password "Contraseña" (Required, minimum 8 characters, including at least one uppercase letter, one lowercase letter, one number, and one special character).

5. The administrator completes the necessary data fields to create a new employee and submits the data.
6. The system stores the new data in the database and displays a message that the employee us added correctly

Confirmation message: "*Empleado añadido correctamente*".

CU02-2. Modifying Employee Information:
1. The administrator selects the employee "*empleado*" option from the side navigation menu.
2. The system displays the list of existing employees.
3. The administrator selects the edit option for the employee whose information needs to be updated or modified.
4. The system displays a form with the employee's fields and corresponding information.

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	5. The administrator modifies the necessary employee data within the form and save the changes.
	6. The system updates the employee's information in the database.
	7. The system displays a confirmation message that the Employee information updated successfully.
	
	Confirmation message: "*Empleado actualizado correctamente*"
	
	- CU02-3. Delete an Employee:
	   1. The administrator selects the employee "*empleado*" option from the side navigation menu.
	   2. The system displays the list of existing employees.
	   3. The administrator searches for the employee to be deleted
	   4. Upon locating the desired employee, the administrator selects the delete option.
	   5. The system prompts the administrator with a confirmation dialog to ensure the deletion of the selected employee.
	   6. The administrator confirms the deletion action.
	   7. The system updates the database by removing the selected employee's information.
	   8. The system displays a success message defining that the employee is deleted successfully."
	   Confirmation message:"Empleado eliminado con éxito".

Alternative Flow	- CU02-1. Add an employee:
	Scenario1:
	1. The administrator decides to cancel the creation of the employee. 2. The administrator navigates away from the employee creation page or clicks on the cancel button. 3. The system cancels the employee creation operation and returns the administrator to the previous page.
	Scenario 2: 1. The administrator attempts to add an employee. 2. The administrator does not input all mandatory fields or the provided data does not pass the validation criteria. 3. The system detects errors in the input data and notifies the administrator through personalized error messages. 4. The administrator corrects the errors as indicated by the system. 5. The administrator resubmits the employee creation form with corrected data.
	- CU02-2.Edit Employee:
	Scenario1:
	1. The administrator decides to cancel editing the employee data. 2. The administrator navigates away from the employee editing page or clicks on the cancel button. 3. The system cancels the employee editing operation and returns the administrator to the dashboard.
	Scenario 2: 1. The administrator attempts to edit an employee's data. 2. The administrator does not input all mandatory fields or the provided data does not pass the validation criteria for the fields they want to edit. 3. The system detects errors in the input data for the fields being edited and notifies the administrator through personalized error messages.

	4. The administrator corrects the errors as indicated by the system. 5. The administrator resubmits the employee editing form with corrected data. - CU02-3. Delete Employee: Scenario 1: 1. The administrator decides to cancel the option to delete the employee. 2. The administrator navigates away from the delete employee page or clicks on the cancel button. 3. The system cancels the deleted employee operation and returns the administrator to the dashboard. Scenario 2: 1. The administrator attempts to delete an employee. 2. An error occurs during the deletion process, such as a database error or connectivity issue. 3. The system notifies the administrator that an employee has not been deleted successfully. 4. The administrator may retry the deletion process or take corrective action as necessary.
Postconditions	The modifications made to the employees are implemented successfully. The administrator can execute actions on the employees effectively.

Name:	CU06-CRUD Invoices(Administrador)
Author:	Arshdeep Kaur
Date	02/04/2024
Description	This use case entails the functionalities allowing the administrator to manage invoices within the system, including viewing, creating, deleting, and modifying them as required.
Actors	Administrator
Preconditions	The administrator must be authenticated and logged into the system to access the invoice management functionalities.

Normal Flow	CU06-3. List all invoices
	1. The administrator selects the invoices "*Presupuesto*" option from the side navigation menu.
	2. The system retrieves and displays a list of all existing invoices.
	3. The administrator can view the details of each invoice in the list, including their client name,company name, total and can perform certain actions.

The administrator can perform the following actions once he has entered the invoice section:

- CU06-1.Add an Invoice:

1. The employee selects the "Añadir" (Add) option to create a new invoice.
2. The system presents the invoice form with empty fields for the admin to fill out.
3. The employee fills out the invoice form with the following details both for the company and client:
    - Nombre: (Required field, alphanumeric characters only, maximum length of 20 characters)
    - Teléfono: (Required field, numeric characters only)
    - NIF:(Required field, alphanumeric characters only)
    - Email:(Required field, valid email format)
    - Dirección: (Required field, alphanumeric characters only, maximum length of 100 characters)
    - Población:(Required field, alphanumeric characters only, maximum length of 50 characters)
    - Código postal: [Postal code of the client's address] (Required field, numeric characters only).
- Conceptos
    - Concepto: [Description of the product or service]
      (Required field, alphanumeric characters only).

    - Precio por unidad: [Unit price of the product or service] (Required field, numeric value, positive number)

    - Cantidad:Cantidad: [Quantity of the product or service] (Required field, numeric value, positive integer)

    - Descuento: [Discount amount, if any] (Numeric value, positive number)

| | | - IRPF: [Income tax retention amount] (Numeric value, positive number)

- IVA: [Value-added tax amount] (Required field, numeric value, positive number)

- Total: [Total amount including taxes and discounts] (Automatically calculated, read-only field)
4. The employee submits the form by clicking the "Crear Presupuesto" (create invoice) button.
5. The system validates the input data:
6. If any required field is empty or data format is invalid, the system prompts the employee to correct the errors and resubmit the form.
7. If all data is valid, the system proceeds to the next step.
8. The system saves the new invoice to the database.
9. The system updates the list of invoices to include the newly created invoice.
10. After successfully creating the invoice, the system confirms the action and provides feedback to the administrator user:

Confirmation Message: "La factura se ha creado correctamente" (The invoice has been created successfully).

Additionally, the system redirects the administrator user to the listing page of the newly added invoice, allowing them to review the details and ensure the successful creation of the invoice.

CU06-2. Delete an invoice:

1. The system displays the list of existing invoices.
2. The employee selects the invoice they wish to delete from the list.
3. The system prompts the employee to confirm the deletion.
4. The employee confirms the deletion action.
5. The system deletes the selected invoice from the database.
6. The system updates the list of invoices to remove the deleted invoice.
7. The system confirms successful deletion of the invoice and displays a confirmation message to the employee that the invoice has been deleted successfully.

Confirmation message:"La factura ha sido eliminada correctamente." |

	CU06-4. Download PDF invoice
	1. The system displays the list of existing invoices.
	2. The admin selects the invoice they wish to download in PDF format from the list.
	3. The system responds by displaying the PDF document in another window or tab.
	4. The administrator user initiates the download of the PDF document using the provided functionality within the browser or system interface.

Alternative Flow	CU06-1.Add an Invoice
	Scenario 1:
	- The administrator decides to cancel the creation of the invoice.
	- The administrator navigates away from the create invoice page or clicks on the cancel button.
	- The system cancels the invoice creation operation and returns the administrator to the previous page or dashboard.
	Scenario 2:
	- The administrator attempts to create a new invoice.
	- The administrator does not input all mandatory fields or the provided data does not pass the validation criteria.
	- The system detects errors in the input data and notifies the administrator through personalized error messages.
	- The administrator corrects the errors as indicated by the system.
	- The administrator resubmits the invoice creation form with corrected data.
	CU06-2. Delete an Employee:
	Scenario1:
	- The administrator decides to cancel the option to delete the invoice.
	- The administrator navigates away from the delete invoice page or clicks on the cancel button.
	- The system cancels the delete invoice operation and returns the administrator to the dashboard.
	Scenario 2:
	- The administrator attempts to delete an invoice.
	- An error occurs during the deletion process, such as a database error or connectivity issue.
	- The system notifies the administrator that the invoice has not been deleted successfully.
	- The administrator may retry the deletion process or take corrective action as necessary.
	CU06-4. Download PDF invoice
	- No alternative flows.

Postconditions	- The modifications made to the invoices are implemented successfully.
	- The administrator can execute actions on the invoices effectively.

Name:	CU15-Logout (Administrator)
Author:	Arshdeep Kaur
Date	02/04/2024
Description	This use case describes the process of a user logging out of the system.
Actors	Administrator
Preconditions	The user must be logged in to the system.
Normal Flow	1. The user decides to log out of the system. 2. The system prompts the user to confirm the logout action. 3. The user confirms the logout action. 4. The system terminates the user's session. 5. The system redirects the user to the login page. 6. The user is logged out successfully.
Alternative Flow	If the user decides to cancel the logout action: 1.1. The user selects the cancel option or navigates away from the logout prompt. 1.2. The system cancels the logout action and returns the user the dashboard. If the user's session has already expired or become invalid: 2.1. The system automatically redirects the user to the login page when attempting to access any protected resources. 2.2. The user is prompted to log in again to continue using the system.
Postconditions	The user is logged out of the system and redirected to the login page.

Employee

Name:	CU01-Login (Employee)
Author:	Arshdeep Kaur
Date	02/04/2024
Description	The employee user can log in to the system using their administrator-assigned credentials to access its functionalities.
Actors	Employee
Preconditions	1. The employee user must access the system login page. 2. The user must have their credentials created by the administrator.
Normal Flow	1. The employee accesses the login page. 2. The employee enters the credentials in the login form. 3. The employee inputs the credentials. 4. The system validates the credentials. 5. If they are valid, the system redirects the employee to the dashboard.

Alternative Flow	If the credentials are invalid, it displays an error and the form will appear again.
	1. If the user's credentials are invalid during the login process: 1.1. The system displays an error message indicating that the credentials provided are incorrect. **Error message**: *"Las credenciales ingresadas son inválidas. Por favor, verifique su nombre de usuario y contraseña."* 1.2. The system prompts the user to enter their credentials again. 1.3. The user makes corrections to their credentials. 1.4. The user resubmits the login form. 2. The system re-attempts to authenticate the user with the corrected credentials. 3. If the credentials are valid, the system logs the user into the system according to the normal flow.
Postconditions	The employee has successfully logged in and can access all functionality for their role within the web application.

Name:	CU15-Logout (employee)
Author:	Arshdeep Kaur
Date	02/04/2024
Description	This use case describes the process of a user logging out of the system.
Actors	Employee
Preconditions	The user must be logged in to the system.
Normal Flow	1. The user decides to log out of the system. 2. The system prompts the user to confirm the logout action. 3. The user confirms the logout action. 4. The system terminates the user's session. 5. The system redirects the user to the login page. 6. The user is logged out successfully.

Alternative Flow	1. If the user decides to cancel the logout action:
	    1.1. The user selects the cancel option or navigates away from the logout prompt.
	    1.2. The system cancels the logout action and returns the user the dashboard.
	
	2. If the user's session has already expired or become invalid:
	    2.1. The system automatically redirects the user to the login page when attempting to access any protected resources.
	    2.2. The user is prompted to log in again to continue using the system.

Postconditions	The user is logged out of the system and redirected to the login page.

SPRINT 2

Administrator

Name:	CU05-CRUD Schedule
Author:	Daniel Rubies
Date	02/04/2024
Description	This use case entails the functionalities allowing the administrator to manage employee schedules within the system(CRUD), including viewing, creating, updating, and deleting schedules.
Actors	Administrator
Preconditions	The administrator must be authenticated and logged into the system to access the schedule management functionalities.

Normal Flow	UC05-1. List schedules:
	1. The administrator accesses the "Horario" (Schedule) section within the system interface.
	2. The system initiates a query to the database to retrieve the list of employees.
	3. The administrator selects the specific employee for whom they wish to list the schedule.
	4. The system performs another query to fetch the schedules associated with the selected employee from the database.
	5. Based on the retrieved data, the system generates a calendar view displaying the schedules, encompassing details such as days of the week, time slots, and any pertinent information.
	6. The system presents the generated schedule list to the administrator via the interface.
	7. The administrator thoroughly examines the displayed schedule list for accuracy and relevancy.
	UC05-4. Create employee schedule
	1. The administrator navigates to the "Horario" (Schedule) section within the system interface.
	2. The system queries the database to retrieve the list of employees.
	3. The administrator selects the specific employee for whom they intend to create a new schedule.
	4. The system presents a form with required fields to facilitate the creation of a new schedule for the selected employee.
	Form Fields:
	"Agregar turno" (Add turn)
	- Title(Título): [Input field, Required text field, accepts only letters and spaces]
	- Start Date(Fecha de inicio): [Date picker, Required Date Field, must not be in the past]
	- Start Time(hora de inicio): [Time picker, Required Time Field, must not be in the past]
	- End Date(Fecha final): [Date picker, Required Date Field, must be a valid date]
	- End Time(hora final): [Time picker,Required Time Field, must not be in the past]
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	After the administrator user fills the appeared form with the necessary fields to create the new schedule for the employee and submits the data, the system proceeds as follows:
	5. The system validates the submitted data to ensure all required fields are filled and meet the specified criteria (e.g., valid dates, non-empty fields).
	6. Upon successful validation, the system stores the data of the new schedule in the database.
	7. After storing the data, the system displays a confirmation message to the administrator user, indicating "Schedule created successfully".
	8. Subsequently, the newly created schedule is integrated into the calendar view, with the timing introduced in the form. The calendar is updated to reflect the addition of the new schedule for the selected employee.
	- UC05-2.Modify the employees's schedule
	1. The administrator user selects the time slot to edit the schedule .
	2. The system displays a form filled with the information of the selected schedule.
	3. The administrator user modifies the schedule data as necessary.
	4. The administrator user saves the changes.
	5. The system updates the schedule information in the database and displays the message "Schedule updated successfully".
	- UC05-3. Delete an employee's schedule:
	1. The administrator user selects a schedule from the list to delete.
	2. The system displays a confirmation to ensure the user wants to delete the selected schedule.
	3. The administrator user confirms the deletion.
	4. The system updates the information in the database by deleting the selected schedule and displays the message "Schedule deleted successfully".
Alternative Flow	- UC05-4. Create schedule:
	1. The administrator user decides to cancel the schedule creation before sending the data to the system.
	2. The administrator user does not enter all the mandatory fields, or the validations are incorrect in the fields they want to edit.
	3. The system informs through error messages about the schedule it is trying to add.
	- UC06-2. Edit Schedule::

	1. The administrator user does not enter all the mandatory fields, or the validations are incorrect in the fields they want to edit. 2. The system informs through error messages about the schedule it is trying to update. 3. The administrator user cancels the data editing of a schedule before saving the changes. - UC06-3. Delete a schedule: 1.The administrator user cancels the option to delete a schedule after selecting it.
Postconditions	The changes made to the employees' schedules are applied correctly.

Name:	CU04-Documents (Administratorr)
Author:	Arshdeep Kaur
Date	02/04/2024
Description	This use case involves the functionality enabling the administrator to manage employees' personal documents within the system, including adding and deleting them as necessary.
Actors	Administrator
Preconditions	The administrator user must be authenticated and logged into the system to access the document management functionalities.

Normal Flow	CU04-3 : List all documents of an employee

	1. The administrator accesses the "Documentos" (Documents) section within the system interface.
	2. The system initiates a query to the database to retrieve the list of employees.
	3. The administrator selects the specific employee for whom they wish to list the documents.
	4. The system displays a list of all employee documents.
	5. After entering the display list of the document the administrator can perform the following actions
	
	CU04-1. Add document:
	
	    1. The administrator selects the option to add a new document.
	    2. The system responds by displaying a form with the required fields to facilitate the addition of a new document.Form Fields:
	    - Document Type (Tipo de documento)[Dropdown selection, Required]:
	
	      Select from the following options:
	    "Contrato" (Contract)
	    "Identificación" (ID)
	    "Currículum" (Resume)
	    "Historial Laboral" (Work History)
	    "Nómina" (Payroll)
	    "Justificación" (Justification)
	
	    - Name (Nombre):
	    [Text field, Required, maximum 50 characters]
	    - Description (Descripción):
	    [Text field, Optional, maximum 100 characters]
	    - Date (Fecha):
	    [Autofilled with the current date]
	    - File Path (Archivo):
	    [File upload field, Required, allows selecting valid extensions: .file, .pdf, .doc, .docx]
	    3. The administrator user completes the necessary fields to add the new document with valid form data and clicks "Añadir Documento" to upload the document.
	    4. Upon submission, the system stores the data of the new document in the database, saves the file in the storage system, and presents a confirmation message: "Document added successfully".
	    5. Following the successful addition of the document, the system redirects the administrator user to the list of documents added.

	CU04-2. Delete an employee's document:
	
	1. The administrator user selects a document from the list to delete.
	2. The system presents a confirmation dialogue to ensure the user intends to delete the selected document.
	3. The administrator user confirms the deletion action.
	4. Upon confirmation, the system initiates the following processes:
	    - Removes the document information from the database.
	    - Deletes the associated file from the storage system.
	    - Displays a confirmation message: "Document deleted successfully".
	
	CU04-4. Download PDF
	
	- The administrator user selects a document from the list to download it.
	- The system responds by displaying the PDF document in another window or tab.
	- The administrator user initiates the download of the PDF document using the provided functionality within the browser or system interface.

Alternative Flow	UC04-1.Add document: 1. The administrator user decides to cancel the addition of the document before sending the data to the system. 2. If the administrator user attempts to add a non-permitted document type (e.g., ZIP, RAR, MP4, MP3, etc.), the system responds by displaying a message: "Document format not allowed". CU04-2. Delete Document: 1. The administrator user cancels the action of deleting a document after selecting it. CU04-4. Download PDF - No alternative flows
Postconditions	- The changes made to the employees' documents, including additions and deletions, are applied correctly and reflected accurately in the system. - The database records are updated to reflect any modifications made to the documents. - Any associated files or data related to the documents are appropriately managed and maintained in the system.

Employees

Name:	CU08- Forgotten Password (Employee)
Author:	Arshdeep Kaur
Date	03/04/2024
Description	An employee user can reset their password in case they forget it. This process allows the user to regain access to their account in the system.
Actors	Empleado, Administrator
Preconditions	The employee user must have a registered account in the system.
Normal Flow	UC8-1 Request password change 1. The employee user accesses the login page and clicks on the "Forgot your password?" button. 2. The system redirects the employee user to the password recovery page. 3. The employee user enters their email, and upon submission, a verification email is sent to the employee. 4. The administrator receives the email, manually changes the password, and saves the changes. 5. The employee user enters their new credentials to log in and access their account.
Alternative Flow	If the employee user enters incorrect credentials, an error message "The entered credentials do not exist" will be displayed.
Postconditions	The employee user has successfully reset their password and can now log in to the system with the new password.

Name:	CU10- Schedule(Employee)
Author:	Daniel Rubies
Date	03/04/2024
Description	The employee user can view their personal work schedule in the system.
Actors	Employee
Preconditions	The employee user has logged in to the system.
Normal Flow	CU10-1.See personal schedule 1. The employee user accesses the schedule section. 2. The system loads the employee's schedule. 3. The employee user views their work schedule, including their work timings.

Alternative Flow	The system displays a message indicating that the user doesn't have a personal schedule ("You don't have a personal schedule"). The employee user sees that there are no events or tasks in the schedule.
Postconditions	The employee user has successfully viewed their personal work schedule.

Name:	CU13 View Employee Profile	
Author:	Arshdeep Kaur	
Date	03/04/2024	
Description	The employee has access to view their profile information within the system, including personal details, contact information, and any other relevant data.	
Actors	Employees	
Preconditions	The employee has logged into the system with the correct credentials and has access to their profile section	
Normal flow	1	The employee selects the "My Profile" option from the side navigation menu.
	2	The system displays the employee's profile information.
	3	The employee reviews the displayed information. List of profile details to be included: ID Nombre (First Name) Apellido (Last Name) Email Teléfono (Phone Number) Fecha de Nacimiento (Date of Birth) Género (Gender) Nacionalidad (Nationality) Foto (Photo) código postal (postal code) ciudad(city) calle(street)
Alternative flow		There are no alternative flows
Postcondition	The employee successfully views their profile information.	

Name:	CU11- Documents(Employee)
Author:	Arshdeep Kaur
Date	03/04/2024

Description	This use case involves the functionality enabling the employee to view and download personal documents within the system.
Actors	Employee
Preconditions	The employee user has logged into the system.

Normal Flow	CU11-1. View document
	1. The employee accesses the "Documentos" (Documents) section within the system interface.
	2. The system initiates a query to the database to retrieve the list of employee's document..
	3. The system displays a list of all employee documents.
	4. The system responds by displaying a tabel with the following table data:
	   - Document Type[Tipo de docuemento]
	      "Contrato" (Contract)
	      "Identificación" (ID)
	      "Currículum" (Resume)
	      "Historial Laboral" (Work History)
	      "Nómina" (Payroll)
	      "Justificación" (Justification)
	
	   - Name of the document[Nombre]
	   - Description of the document[descripción]
	   - An Action [acción] field to download in pdf
	
	CU11-2. Download pdf
	- The employee user selects a document from the list to download it.
	- The system responds by displaying the PDF document in another window or tab.
	- The employee user initiates the download of the PDF document using the provided functionality within the browser or system interface.

Alternative Flow	None
Postconditions	Any associated files or data related to the documents are appropriately managed and maintained in the system

Administrator

Name:	CU03-Absences (Administrator)
Author:	Daniel Rubies
Date	02/04/2024
Description	This use case involves the functionalities enabling the administrator to manage employee absences within the system. The administrator can mark the type of absences for employees as needed.
Actors	Administrator
Preconditions	The administrator user must be authenticated and logged into the system to access the absence management functionalities.

Normal Flow	CU03-3: List all absences
	1. The administrator accesses the "Ausencias" (Absences) section within the system interface.
	2. The system initiates a query to the database to retrieve the list of absences, if any.
	3. Upon retrieval of the absences data, the system displays a list of all employees' absences. The list includes the following information for each absence:
	- Photo of the employee
	- Name of the employee
	- Type of absence
	- Start date of the absence
	- Final date of the absence
	- Option to perform the delete action for each absence.
	After entering the display list of the absences the administrator can perform the following actions
	CU03-1 Add absence
	1. The system displays the list of available absences.
	2. The administrator selects the option "Añadir ausencia" (Add absence) to mark an employee's absence.
	3. The system responds by presenting a form with the necessary fields to mark the absence:Form:
	- Employee's Name[Nombre de empleado] (Required, Select option)
	- Tipo de ausencia (Type of absence) (Required, the option to select between "Vacaciones", "Baja médica", etc.)
	- Start Date (Fecha de inicio) (date picker, valid date format, required field)
	- Final Date (Fecha final) (date picker, valid date format, required field)
	- Description (Required)
	3. The administrator completes the necessary fields to mark the employee's absence.
	4.Upon completion, the administrator submits the data by clicking the "Guardar" (Save) button.

45	5. The system processes the absence data and stores it in the database. 6. The system displays a confirmation message: "Ausencia añadida correctamente" (Absence added successfully). 7. Upon successful addition of the absence, the system redirects the user to the listing page of the absences, allowing the administrator to view the updated list of absences and ensuring the successful addition of the new absence. CU03-2 Delete absences 1. The system displays the list of available absences. 2. The administrator identifies the absence(s) they wish to delete from the list. 3. For each absence to be deleted, the administrator selects the corresponding delete action, typically represented by a button or icon next to the absence entry. 4. Upon selecting the delete action, the system prompts the administrator with a confirmation dialogue to ensure the intention to delete the absence. 5. The administrator confirms the deletion action. 6. The system removes the selected absence from the list and database. 7. A confirmation message is displayed, indicating "Absence deleted successfully."["La ausencia se eliminó correctamente"] 8. The system refresh the list of absences to reflect the changes made, providing the administrator with an updated view of the absences list.

Alternative Flow	CU03-1 Add absence
	1. The administrator selects the option "Añadir ausencia" (Add absence) to mark an employee's absence.
	2. The system displays a form with the necessary fields to mark the absence.
	3. If the administrator attempts to submit the form with missing or invalid data, the system prompts with error messages indicating the specific fields that require attention or corrections.
	4. After receiving the error messages, the administrator revises the form and corrects any issues.
	5. The administrator resubmits the form with valid data.
	6. The system successfully processes the absence data, stores it in the database, and displays the confirmation message: "Ausencia añadida correctamente" (Absence added successfully).
	CU03-2 Delete absence
	1. The administrator accesses the "Absences" section within the system interface.
	2. The system displays a list of all absences, including relevant information.
	3. If the administrator mistakenly selects the wrong absence for deletion, they choose the option to cancel the deletion action.
	4. The system cancels the deletion action and maintains the selected absence in the list.
	5. The administrator can proceed with other actions or return to the previous task.
Postconditions	The modifications made in the management of employee absences, including additions and deletions, are successfully applied and reflected in the system.

Name:	CU-17 Incidents(Administrator)
Author:	Arshdeep Kaur
Date	03/04/2024
Description	The Incident Management feature allows the administrator to list all incidents reported by employees, view their details, mark their status as pending or completed, and delete incidents as needed.
Actors	Administrator
Preconditions	The administrator has logged into the system.

Normal Flow	After the administrator accesses the Incident Management section from the dashboard (Incidencias), the system responds as follows:
	CU17-1. List all incidents
	1. The system displays a table listing all reported incidents.
	2. Each row in the table includes information such as:
	- The name of the employee
	- The type of incident
	- The description of the incident
	- The date of the incident
	- The current state (pending or completed) of the incident
	- An option to delete the incident
	CU17.3-Mark employee incidents status
	1. The administrator has the option to mark the incident as pending or completed by selecting the appropriate status from a toggle button provided within the table.
	2. After selecting the desired status, the administrator submits the changes.
	3. The system saves the changes and updates the incident's status in the table accordingly.
	4. The updated incident list is displayed to the administrator, reflecting the changes made to the status of the incident.
	CU17-2 Delete Incident
	- The administrator selects an incident from the table that needs to be deleted.
	- The system prompts the administrator to confirm the deletion action.
	- Upon confirmation, the system removes the incident from the table and deletes it from the database.

Alternative Flow	CU17-1 list all incidents - None CU17-3 Mark employee incident status - None CU17.2 Delete a incident 1. The administrator accesses the Incident Management section from the dashboard (Incidencias). 2. The system displays a table listing all reported incidents. 3. The administrator selects the option to delete an incident. 4. If the administrator mistakenly selects the wrong incident for deletion, they choose the option to cancel the deletion action. 5. The system cancels the deletion action and maintains the selected incident in the table. 6. The administrator can proceed with other actions or return to the previous task.
Postconditions	The adminuser can also view the dashboard with all the information.

Employee

Name:	CU10- Attendance(Employee)
Author:	Daniel Rubies
Date	03/04/2024
Description	"The employee user can record their daily attendance by clocking in at the start and clocking out at the end of their workday."
Actors	Employee
Preconditions	"The employee user has logged in to the system."
Normal Flow	CU9-1.Record departure from work shift 1. The employee user logs in. 2. The employee user navigates to the time clock area. 3. The employee user selects the option to clock in. 4. The system records the work hours from when the start button is pressed. 5. When the employee finishes their shift, they press the clock out button again. 6. The system records the time and location and displays a message "Shift ended".

Alternative Flow	
	1. Clocking In Error: If the employee encounters an error while trying to clock in or out, the system displays an error message prompting the user to try again or contact support.
Postconditions	"The system successfully records the time of entry and exit of the shift ".

SPRINT 3

Administrator

Name:	CU12- Dashboard(Administrator)
Author:	Daniel Rubies
Date	03/04/2024
Description	The administrator dashboard provides various functionalities for the administrator to manage employee-related information and monitor activities within the company.
Actors	Employee
Preconditions	The employee user has logged into the system.
Normal Flow	CU14-1. View information 1. The administrator logs into the system using their credentials. 2. Upon successful login, the system redirects the administrator to the dashboard. 3. The dashboard displays various sections providing summarized information. 4. The administrator navigates to the "Employee Information" section. 5. The dashboard shows the total number of workers, present workers, and inactive workers in the company. 6. The administrator navigates to the "Incidents Management" section. 7. The dashboard lists all reported incidents, along with their status (completed or pending). 8. The administrator can mark incidents as completed or pending as needed. 9. The administrator navigates to the "Recent Activities" section. 10. The dashboard displays a list of recent activities within the system, such as updates, and other relevant actions. 11. The administrator reviews the recent activities to stay informed.
Alternative Flow	None
Postconditions	The admin user can view the dashboard with all the information.

Employees

Name:	CU12- Dashboard(Employee)
Author:	Daniel Rubies
Date	03/04/2024
Description	The employee user can view a summary of their tasks.
Actors	Employee
Preconditions	The employee user has logged into the system.

Normal Flow	CU12-1. View information
	1. The employee user logs in.
	2. The employee user loads the dashboard.
	3. The dashboard displays a important information for the employee:
	  - employee's profile
	  - Schedule
	  - Documents
	4. The employee user reviews the information on the dashboard.

Alternative Flow	The system displays the dashboard without any tasks.
Postconditions	The employee user can view the dashboard with all the information.

Name:	CU-18 Incidents(employee)
Author:	Arshdeep Kaur
Date	03/04/2024
Description	The Incident Reporting feature allows employees to add new incidents by providing details such as incident type, description, and any relevant information.
Actors	Employee
Preconditions	The employee must be logged into the system to access the incident reporting feature.

Normal Flow	After the employee accesses the Incident Management section from the dashboard (Incidencias), the system responds as follows:
	CU18-02. List all incidents
	
	1. After the employee accesses the Incident Management section from the dashboard (Incidencias), the system displays all the reported incidents history.
	2. The system presents a list of incidents, including the following information for each incident:
	   - Type of incidence
	   - Description
	   - Date of the incident
	3. The employee can review the list of incidents to gain insights into past occurrences and their details.
	
	CU18-1. Create an incident
	
	1. The employee accesses the Incident Management section from the dashboard (Incidencias).
	2. The system presents options to add a new incident.
	3. The employee selects the option to add a new incident.
	4. The system displays a form with fields to input incident details such as:
	   - Incident type[Tipo de Incidencia]
	    (Required field,letters)
	   - Description [Descripción]
	    (Required field)
	   - Date[fecha](Date picker, required)
	
	5. The employee fills out the form with accurate details regarding the incident.
	6. After completing the form, the employee submits the data by clicking the "crear incidencia" (create incidence) button.
	7. The system validates the submitted data to ensure completeness and correctness.
	8. Upon successful validation, the system stores the incident data in the database.
	9. The system confirms the successful addition of the incident and displays a confirmation message to the employee.
	10. The system redirect the employee back to the incident list page, allowing them to view the newly added incident among others.
	
	CU18-02 Delete Incidence
	
	1. The employee selects an incident from the table that needs to be deleted.
	2. The system prompts the administrator to confirm the deletion action.

	3. Upon confirmation, the system removes the incident from the table and deletes it from the database.

Alternative Flow	CU18-1 Create an incident
	
	    1. The employee selects the option "Agregar incidencia" (Add incidence) to mark an employee's incident.
	    2. The system displays a form with the necessary fields to mark the absence.
	    3. If the employee attempts to submit the form with missing or invalid data, the system prompts with error messages indicating the specific fields that require attention or corrections.
	    4. After receiving the error messages, the employee revises the form and corrects any issues.
	    5. The employee resubmits the form with valid data.
	    6. The system successfully processes the absence data, stores it in the database, and displays the confirmation message: "incidencia añadida correctamente" (incidence added successfully).
	
	CU18.3 Delete a incident
	
	    1. The employeeaccesses the Incident Management section from the dashboard (Incidencias).
	    2. The system displays a table listing all reported incidents.
	    3. The employee selects the option to delete an incident.
	    4. If the administrator mistakenly selects the wrong incident for deletion, they choose the option to cancel the deletion action.
	    5. The system cancels the deletion action and maintains the selected incident in the table.
	    6. The administrator can proceed with other actions or return to the previous task.

Postconditions	The employee has successfully reported a new incident, and it has been sent to the admin.

7. Database

Entity-relation diagram

Link to the E-R Model

Relational model

[Link to the Relational Model](#)

Written Relational Model

USERS{#users_id(PK), nif, password, roles, employee_id(FK references EMPLOYEE)}

EMPLOYEES{#employee_id(PK), name, surname, email,date_of_birth, gender, telephone,country, photo, users_id,address_id(FK references USERS), (FK references ADDRESSES), company_id(FK references COMPANIES)}

DOCUMENTS{#document_id(PK), type_documents, name, description, date, route, employees_id(FK references EMPLOYEE)}

ADDRESSES{#address_id(PK), street, city, postal_code}

COMPANIES{#company_id(PK), company_name, company_telephone, company_nif, company_email, company_street, company_city, company_postal_code}

CLIENTS{#client_id(PK), client_name, client_telephone, client_nif, client_email, client_street, client_city, client_postal_code}

CONCEPTS{#concept_id(PK), concept, price, quantity, concept_discount, concept_iva, concept_irpf, invoice_id(FK references INVOICES)}

INVOICES{#invoice_id(PK), subtotal, invoice_discount, invoice_iva, invoice_irpf, total, company_id(FK references COMPANIES), client_id(FK references CLIENTS)}

ABSENCES{#absences_id(PK), start_date, end_date,type_absence, motive, employee_id(FK references EMPLOYEES)}

INCIDENTS{#incidents_id(PK), incident_type, description, date, status, employee_id(FK references EMPLOYEES)}

ATTENDANCES{#attendances_id(PK), date, start_time, total_time ,end_time, absence_type, status,employee_id(FK references EMPLOYEES)}

SCHEDULES{#schedule_id(PK),title, start_datetime,end_datetime,employee_id(FK references EMPLOYEES)}

PASSWORD_RESETS{ email,token}

8. Functional testing cases

LOGIN

ID	DESCRIPTION	CAMPO	TEXT	CLASE CUBIERTA	Result	STATUS			
							OK		
		NIF/DNI	admin (Admin)	1	SUCCESS, detects the NIF/DNI as valid	OK	FAIL		
			87568876X (Employee)	2	SUCCESS, detects the NIF/DNI as valid	OK	TO TEST		
			C4rlo2245	3	Error: Please enter a valid NIF (8 NUMBERS, 1 LETTER)	OK	NE	Not Exist
			(empty)	4	Error: Please enter a valid NIF (8 NUMBERS, 1 LETTER)	OK		
TC-00	LOGIN	PASSWORD	CaruRuaxc40	5	SUCCESS, detects the password as valid	OK		
			Ca1	6	Error: Please enter a valid password (8 characters, one uppercase letter, one lowercase letter, and one number.)	OK		
		SIGN IN BUTTON	NIF: 87568876X P: Password123	7	SUCCESS, Validates the data and sends the user to the dashboard (employee)	OK		
			NIF: admin P: admin	8	SUCCESS, Validates the data and sends the user to the dashboard (admin)	OK		
			NIF: L3Ono2245X P: saql_	9	Error: Incorrect credentials	OK		

ADD EMPLOYEE

			NAME	Daniel	10	SUCCESS, the field contains the name to be added to the database	OK
				Cristian47	11	Error: Invalid name format (letters and spaces only)	OK
				23213123*	12	Error: Invalid name format (letters and spaces only)	OK
				(empty)	13	Error: The Name field is required.	OK
							OK
			SURNAME	Pérez Ruiz	14	SUCCESS, the field contains the surname to be added to the database	OK
				12312312_	15	Error: Invalid surname format (letters and spaces only)	OK
				48 Pamies	16	Error: Invalid surname format (letters and spaces only)	OK
				(empty)	17	Error: The surname field is required.	OK
							OK
							OK
			DATE OF BIRTH	23/06/2004	18	SUCCESS, the field contains the date of birth to be added to the database	OK
				(empty)	19	Error: Date of birth is required.	OK
				12/06/2022	20	Error: You must be at least 18 years old	OK
				10/10/1934	21	Error: The date cannot be too old	OK
							OK
			COUNTRY	Española	22	SUCCESS, the field contains the country to be added to the database	OK
				123125	23	Error: Please enter the country with the first letter capitalized and only letters.	OK
				español_4	24	Error: Please enter the country with the first letter capitalized and only letters.	OK
				(empty)	25	Error: country is required.	OK
							OK
			GENDER	Masculino	26	SUCCESS, the field contains the gender to be added to the database	OK
				Femenino	27	SUCCESS, the field contains the gender to be added to the database	OK
				(empty)	28	Error: Gender is required.	OK
			EMAIL	nicomanu@gmail.com	29	SUCCESS, the field contains the email to be added to the database	OK
				consulxgmail.com	30	Error: Incorrect email format.	OK
				sofiamartigmail@.com	31	Error: Incorrect email format.	OK
				martadiaz	32	Error: Incorrect email format.	OK
				(empty)	33	Error: Email is required.	OK
							OK
TC-01	ADD EMPLOYEE	PHONE	612256995	34	SUCCESS, the field contains the phone number to be added to the database	OK
				Alooona	35	Error: Please enter only numbers for the phone number	OK
				_DF_AW1	36	Error: Please enter only numbers for the phone number	OK
				**$*	37	Error: Please enter only numbers for the phone number	OK
				(empty)	38	Error: Phone number is required	OK
							OK

TC-01	ADD EMPLOYEE	PHONE	612256995	34	SUCCESS, the field contains the phone number to be added to the database	OK
			Alooona	35	Error: Please enter only numbers for the phone number	OK
			_DF_AW1	36	Error: Please enter only numbers for the phone number	OK
			**$*	37	Error: Please enter only numbers for the phone number	OK
			(empty)	38	Error: Phone number is required	OK
						OK
		PHOTO	fotoperfil.png	39	SUCCESS, the field contains the photo to be added to the database	OK
			fotoperfil2.jpg	40	SUCCESS, the field contains the photo to be added to the database	OK
			fotoperfil2.ico	41	Error: The photo must have a valid file extension (jpg, jpeg, png).	OK
			fotoperfil2.pdf	42	Error: The photo must have a valid file extension (jpg, jpeg, png).	OK
			fotoperfil2.doc	43	Error: The photo must have a valid file extension (jpg, jpeg, png.).	OK
			(empty)	44	Error: Photo is required	OK
		ADDRESS	Calle victoria, 31	45	SUCCESS, the field contains the address to be added to the database	OK
			(empty)	46	Error: Address is required.	OK
						OK
						OK
		CITY	Barcelona	47	SUCCESS, the field contains the city to be added to the database	OK
			(empty)	48	Error: City is required.	OK
			madrid_2	49	Error: Please enter a correct city.	OK
			madrid1123	50	Error: Please enter a correct city.	OK
		POSTAL CODE	41001	51	SUCCESS, the field contains the postal code to be added to the database	OK
			(empty)	52	Error: Postal Code is required.	OK
			AAFGHJ	53	Error: Please enter only numbers for the postal code.	OK
			_*ADAF	54	Error: Please enter only numbers for the postal code.	OK
		NIF/DNI	Z1686357W	55	SUCCESS, the field detects the NIF/DNI as valid for later addition to the database	OK
			87568876X	56	SUCCESS, the field detects the NIF/DNI as valid for later addition to the database	OK
			M4r1o286	57	Error: Please enter a valid NIF (8 NUMBERS, 1 LETTER)	OK
			(empty)	58	Error: The NIF field is required.	OK
		PASSWORD	Xarkcu22083	59	SUCCESS, the field detects the password as valid for later addition to the database	OK
			Cvo431	60	Error: Please enter a valid password (8 characters, one uppercase letter, one lowercase letter, and one number).	OK
		ADD EMPLOYEE BUTTON	(valid values)	61	SUCCESS, validates the data and stores the new employee in the database	OK
			(invalid values)	62	Error: Please complete all required fields.	OK
			(Same NIF as anoter Employee)		Error: There is already an employee with this NIF. Please try another NIF	OK

UPDATE EMPLOYEE

			Jose	63	SUCCESS, the field contains the name to be edited and saved in the database	OK
		NAME	Cristina567	64	Error: Invalid name format (only letters and spaces)	OK
			2312131232	65	Error: Invalid name format (only letters and spaces)	OK
			(empty)	66	Error: The Name field is required.	OK
						OK
		SURNAME	Casas Torre	67	SUCCESS, the field contains the surname to be edited and saved in the database	OK
			23Papro	68	Error: Invalid surname format (only letters and spaces)	OK
			12321314656	69	Error: Invalid surname format (only letters and spaces)	OK
			(empty)	70	Error: The surname field is required.	OK
						OK
						OK
		DATE OF BIRTH	23/06/2004	71	SUCCESS, the field contains the date of birth to be edited and saved in the database	OK
			(empty)	72	Error: Date is required	OK
			24/02/2023	73	Error: You must be at least 18	OK
			24/02/1800	74	Error: Date cannot be too old	OK
						OK
		COUNTRY	Noruego	75	SUCCESS, the field contains the country to be edited and saved in the database	OK
			26645232	76	Error: Please enter the country with the first letter capitalized and only letters.	OK
			mexican0	77	Error: Please enter the country with the first letter capitalized and only letters.	OK
			(empty)	78	Error: Country is required.	OK
		GENDER	Masculino	79	SUCCESS, the field contains the gender to be edited and saved in the database	OK
			Femenino	80	SUCCESS, the field contains the gender to be edited and saved in the database	OK
			(empty)	81	Error: Gender is required.	OK
		EMAIL	alejandrinox@gmail.com	82	SUCCESS, the field contains the email to be edited and saved in the database	OK
			gestionadorgmail.com	83	Error: Incorrect email format.	OK
			herculgod@.com	84	Error: Incorrect email format.	OK
			ivanesa	85	Error: Incorrect email format.	OK
			(empty)	86	Error: Email is required.	OK
						OK
TC-02	UPDATE EMPLOYEE	PHONE	698756445	87	SUCCESS, the field contains the phone number to be edited and saved in the database	OK
			Maleinax	88	Error: Please enter only numbers for the phone number	OK
			GH_WAD2	89	Error: Please enter only numbers for the phone number	OK
			$$**$	90	Error: Please enter only numbers for the phone number	OK
			(empty)	91	Error: Phone number is required	OK
						OK

TC-02	UPDATE EMPLOYEE						
		PHONE		698756445	87	SUCCESS, the field contains the phone number to be edited and saved in the database	OK
				Maleinax	88	Error: Please enter only numbers for the phone number	OK
				GH_WAD2	89	Error: Please enter only numbers for the phone number	OK
				$$**$	90	Error: Please enter only numbers for the phone number	OK
				(empty)	91	Error: Phone number is required	OK
							OK
		PHOTO		fotocurriculum.png	92	SUCCESS, the field contains the photo to be edited and saved in the database	OK
				fotoperfil6.jpg	93	SUCCESS, the field contains the photo to be edited and saved in the database	OK
				documento2.pdf	94	Error: The photo must have a valid file extension (jpg, jpeg, png).	OK
				recuentohoras.doc	95	Error: Photo is required	OK
				(empty)	96	Error: Photo is required	OK
							OK
		ADDRESS		Av Catalunya, 130	97	SUCCESS, the field contains the address to be edited and saved in the database	OK
				(empty)	98	Error: Address is required.	OK
							OK
							OK
		CITY		Cordoba	99	SUCCESS, the field contains the city to be edited and saved in the database	OK
				(empty)	100	Error: City is required.	OK
				valencia5787_	101	Error: Please enter a correct city.	OK
				sevilla1123	102	Error: Please enter a correct city.	OK
		POSTAL CODE		28001	103	SUCCESS, the field contains the postal code to be edited and saved in the database	OK
				(empty)	104	Error: Postal Code is required.	OK
				45865	105	Error: Please enter only numbers for the postal code	OK
				*ADAF	106	Error: Please enter only numbers for the postal code	OK
		NIF/DNI		Z1382143D	107	SUCCESS, the field detects the NIF/DNI as valid for later editing and saving in the database	OK
				76531198D	108	SUCCESS, the field detects the NIF/DNI as valid for later editing and saving in the database	OK
				P4C0234	109	Error: Please enter a valid NIF (8 NUMBERS, 1 LETTER)	OK
				(empty)	110	Error: The NIF field is required.	OK
		EDIT EMPLOYEE BUTTON		(valid values)	113	SUCCESS, validates the data and stores the user's changes in the database.	OK
				(invalid values)	114	Error: Please complete all required fields.	OK
				(Same NIF as anoter Employee)	114	Error: There is already an employee with this NIF. Please try another NIF	OK
							OK
							OK

ADD INVOICE

TC-03	ADD INVOICE	NAME	Ana	115	SUCCESS, the field contains the name to be saved in the database	OK
			Albertoa12	116	Error: Invalid name format (only letters and spaces)	OK
			1232132	117	Error: Invalid name format (only letters and spaces)	OK
			123_ADS1	118	Error: Invalid name format (only letters and spaces)	OK
			(empty)	119	Error: The Name field is required.	OK
		PHONE	655432109	120	SUCCESS, the field contains the phone number to be saved in the database	OK
			a43d2d109	121	Error: Please enter only numbers for the phone number	OK
			_*_*a*d*a	122	Error: Please enter only numbers for the phone number	OK
			oltelf332	123	Error: Please enter only numbers for the phone number	OK
			(empty)	124	Error: Phone number is required	OK
						OK
		EMAIL	maicoljrph@gmail.com	125	SUCCESS, the field contains the email to be saved in the database	OK
			zendesargmail.com	126	Error: Incorrect email format.	OK
			agrro@.com	127	Error: Incorrect email format.	OK
			manesi	128	Error: Incorrect email format.	OK
			(empty)	129	Error: Email is required.	OK
						OK
		ADDRESS	Calle Mayor, 10	130	SUCCESS, the field contains the address to be saved in the database	OK
			(empty)	131	Error: Address is required.	OK
						OK
						OK
		CITY	Bilbao	132	SUCCESS, the field contains the city to be saved in the database	OK
			(empty)	133	Error: City is required.	OK
			murcia	134	Error: Please enter the city with the first letter capitalized and only letters.	OK
			zaragoza1123	135	Error: Please enter the city with the first letter capitalized and only letters.	OK
		POSTAL CODE	46001	136	SUCCESS, the field contains the postal code to be saved in the database	OK
			(empty)	137	Error: Postal Code is required.	OK
			8903	138	Error: Please enter only numbers for the postal code	OK
			_a*s1	139	Error: Please enter only numbers for the postal code	OK
		ADD INVOICE BUTTON	(valid values)	140	SUCCESS, validates the data and stores the invoice in the database.	OK
			(invalid values)	141	Error: Please complete all required fields.	OK
						OK

EDIT INVOICE

TC-04	UPDATE INVOICE	NAME	Mery	142	SUCCESS, the field contains the name to be saved in the database after being edited	OK
			Carmen204	143	Error: Invalid name format (only letters and spaces)	OK
			8877342	144	Error: Invalid name format (only letters and spaces)	OK
			890_23sd	145	Error: Invalid name format (only letters and spaces)	OK
			(empty)	146	Error: The Name field is required.	OK
		PHONE	690123456	147	SUCCESS, the field contains the phone number to be edited	OK
			r5t9k7y2w	148	Error: Please enter only numbers for the phone number	OK
			l8p3_9*6g	149	Error: Please enter only numbers for the phone number	OK
			elforobot	150	Error: Please enter only numbers for the phone number	OK
			(empty)	151	Error: Phone number is required.	OK
						OK
		EMAIL	juanesmartines23@gmail.com	152	SUCCESS, the field contains the email to be saved in the database after being edited	OK
			tomulirgmail.com	153	Error: Incorrect email format.	OK
			kuroi@.com	154	Error: Incorrect email format.	OK
			ronlida	155	Error: Incorrect email format.	OK
			(empty)	156	Error: Email is required.	OK
						OK
		ADDRESS	Calle San Miguel, 12	157	SUCCESS, the field contains the address to be saved in the database after being edited	OK
			Paseo del Prado, 15	158	SUCCESS, the field contains the address to be saved in the database after being edited	OK
			(empty)	159	Error: Address is required.	OK
						OK
		CITY	Cádiz	160	SUCCESS, the field contains the city to be saved in the database after being edited	OK
			(empty)	161	Error: City is required.	OK
			salamanca	162	Error: Please enter the city with the first letter capitalized and only letters.	OK
			Segovia237	163	Error: Please enter the city with the first letter capitalized and only letters.	OK
		POSTAL CODE	43001	164	SUCCESS, the field contains the postal code to be saved in the database after being edited	
			(empty)	165	Error: Postal Code is required.	OK
			1988	166	Error: Please enter only numbers for the postal code	OK
			c*_99	167	Error: Please enter only numbers for the postal code	OK
		ADD INVOICE BUTTON	(valid values)	168	SUCCESS, validates the data and stores the edited invoice in the database.	OK
			(invalid values)	169	Error: Please complete all required fields.	OK
						OK

ADD DOCUMENT

TC-05	ADD DOCUMENT	DOCUMENT TYPE	Vida Laboral	170	SUCCESS, the field contains the type of document to be added to the database	OK
			(empty)	171	Error: The document type field is required.	OK
						OK
		NAME	Hoja_ruta2	172	SUCCESS, the field contains the name to be added to the database	OK
			(empty)	173	Error: The name field is required.	OK
						OK
		DESCRIPTION	Hoja con fechas de ejemplo 18:30	174	SUCCESS, the field contains the description to be added to the database	OK
			(empty)	175	Error: The description field is required.	OK
						OK
		DATE	(Date present or past)	176	SUCCESS, the field contains the date to be added to the database	OK
			Date (future)	177	Error: The date cannot be in the future.	OK
			(empty)	178	Error: The date field is required.	OK
		FILE	food_1.pdf	179	SUCCESS: The field validates the file and adds it to the database.	OK
			image1.jpg	180	Error: The file must have a valid file extension (pdf, doc, docx).	OK
			(empty)	181	Error: File is required.	OK
		ADD DOCUMENT BUTTON	(valid values)	182	SUCCESS, validates the data and stores the new document in the database	OK
			(invalid values)	183	Error: Please complete all required fields.	OK
						OK

RESPONSE RESET PASSWORD

TC-06	RESPONSE RESET PASSWORD	EMAIL	robinbasrm@gmail.com	183	SUCCESS, the field contains the email to be able to send you the request to change the password	OK
			tirgmail.com	184	Error: Incorrect email format.	OK
			caroi@.com	185	Error: Incorrect email format.	OK
			roniv	186	Error: Incorrect email format.	OK
			(empty)	187	Error: Email is required.	OK
						OK
		PASSWORD	ARjrkcu220x	188	SUCCESS, the field detect the valid password to add it to the database and update it.	OK
			Klec32	189	Error: Please enter a valid password (8 characters, one uppercase letter, one lowercase letter, and one number).	OK
			(empty)	190	Error: Password is required.	OK
		REPEAT PASSWORD	(The passwords match)	191	SUCCESS, the field verify that the passwords match.	OK
			Klec32	192	Error: Please enter a valid password (8 characters, one uppercase letter, one lowercase letter, and one number).	OK
			(empty)	193	Error: Repeat Password field is required.	OK
		ADD/EDIT SCHEDULE BUTTON	(valid values)	194	SUCCESS, validates the data and stores the new password in the database after being edited.	OK
			(invalid values) (FALTA)	195	Error: Please complete all required fields.	OK
						OK

REQUEST RESET PASSWORD

TC-07	REQUEST RESET PASSWORD	EMAIL	robinbasrm@gmail.com	209	SUCCESS, the field contains the email to be able to send you the request to change the password	OK
			tirgmail.com	210	Error: Incorrect email format.	OK
			caroi@.com	211	Error: Incorrect email format.	OK
			roniv	212	Error: Incorrect email format.	OK
			(empty)	213	Error: Email is required.	OK
						OK
		SEND REQUEST	(valid values)	214	SUCCESS, validates the data and send a request to your email to reset the password.	OK
			(invalid values) (FALTA)	215	Error: Please complete all required fields.	OK
						OK

ADD/EDIT SCHEDULE

TC-08	ADD/EDIT SCHEDULE	TITLE	Turno Mañana 1.1	216	SUCCESS, the field contains the title to be added to the database after being edited	OK
			(empty)	217	Error: The title field is required.	OK
						OK
		START DATE	07/05/2024	218	SUCCESS, the field contains the incident date to be added to the database after being edited	OK
			01/01/1888	219	Error: Invalid start date	OK
			(empty)	220	Error: The start date field is required.	OK
						OK
		END DATE	07/05/2024	221	SUCCESS, the field contains the incident date to be added to the database after being edited	OK
			start date:07/05/2024 end date: 04/05/2024	222	Error: The start date/time must be before the end date/time	OK
			(empty)	223	Error: The title field is required.	OK
						OK
		ADD/EDIT SCHEDULE BUTTON	(valid values)	224	SUCCESS, validates the data and stores the schedule in the database after being edited.	OK
			(invalid values) (FALTA)	225	Error: Please complete all required fields.	OK
						OK

ADD ABSENCES

TC-09	ADD ABSENCES	EMPLOYEE NAME	Dani Ruiz	226	SUCCESS, the field contains the employe name to be added to the database	OK
			(empty)	227	Error: The employee name field is required.	OK
						OK
		TYPE OF ABSENCES	Holidays	228	SUCCESS, the field contains the type of absences to be added to the database	OK
			(empty)	229	Error: The type of absences field is required.	OK
						OK
		START DATE	(current date)-(date in the future)	230	SUCCESS, the field contains the incident date to be added to the database	OK
			(start_date) (Current date) - (end_date)06/05/2024	231	Error: Invalid start date	OK
			(Current date) - (Past date)	232	Error: Invalid start date	OK
			(empty)	233	Error: The start date field is required.	OK
		END DATE	(current date)-(date in the future)	234	SUCCESS, the field contains the incident date to be added to the database	OK
			(start_date) (Current date) - (end_date)06/05/2024	235	Error: Invalid end date	OK
			(Current date) - (Past date)	236	Error: Invalid end date	OK
			(empty)	237	Error: The end date field is required.	OK
		DESCRIPTION	Fell down the stairs around 15:30	238	SUCCESS, the field contains the description to be added to the database	OK
			(empty)	239	Error: The description field is required.	OK
						OK
						OK
		SAVE ABSENCE BUTTON	(valid values)	240	SUCCESS, validates the data and stores the absence in the database.	OK
			(invalid values) (FALTA)	241	Error: Please complete all required fields.	OK
						OK

INCIDENTS

TC-10	INCIDENTS	INCIDENT TYPE	Tardanza	242	SUCCESS, the field contains the incident type to be added to the database	OK
			____123-	243	Error: Invalid incident type format (letters and spaces only)	OK
			(empty)	244	Error: The incident type field is required.	OK
		INCIDENT DATE	(Current date or less than 1 year ago)	245	SUCCESS, the field contains the incident date to be added to the database	OK
			(Date from more than 1 year ago)	246	Error: The date cannot be too old	OK
			(Future date from the current one)	247	Error: The date cannot be in the future	OK
			(empty)	248	Error: The incident date field is required.	OK
		DESCRIPTION	Atasco A las 16:30	249	SUCCESS, the field contains the description to be added to the database	OK
			(empty)	250	Error: The description field is required.	OK
						OK
						OK
		ADD INVOICE BUTTON	(valid values)	251	SUCCESS, validates the data and stores the incident in the database.	OK
			(invalid values)	252	Error: Please complete all required fields.	OK
						OK

Link to Test Cases

9. Planning

In YouTrack, we've organized our project management, including Daily Meetings where team members gather to plan the day, allocate tasks, review previous day's progress, and discuss any issues encountered. Additionally, we hold Sprint Planning sessions to meticulously plan the timeline, assign tasks to individuals, and outline the tasks for the entire sprint.

Furthermore, we use YouTrack to manage issues that are related to our use case diagram, which delineates the functionalities of our application. These issues are then assigned to different sprints from the Agile board.

Link to the YouTrack

10. Innovation

Tailwind CSS:

We are using Tailwind CSS in our project because we want to embrace a new approach to building our page through the utilities it offers us.

Full Calendar:

We are using the FullCalendar library to provide us with good management and control of schedules to assign them to the employees of our project in a more convenient and visual way.

11. Manuals

- [**Deployment manual**](#)

- [**Developer manual**](#)

- [**User manual**](#)

13. Functional Requirements for each member of the team

Team Name: JobMaster

Student Daniel(297 hours)		
ID	Functional Requirements	Workload
FR1	Code documentation	0,5
FR2	YouTrack management	0,75
FR3	Figma design	0,75
FR4	Creation of the E-R and Relational diagrams	0,25
FR5	Validations throughout the application	1
FR6	Test cases and testing of the page.	1
FR7	Creation of filters for all necessary parts on the page	1
FR8	Creation of textual descriptions of the use cases	0,75
FR9	Creation of the use case diagram	1
FR10	Principal in charge of the documents sections in administrator and employee (list, add, delete)	1
FR11	Implementation of the user add and delete functionality.	1
FR12	Functioning of the employee incidents section	1
Total:		10

Student Ruben (297 hours)		
ID	**Functional Requirements**	**Workload**
FR7	Database creation	1
FR8	Code documentation	0,75
FR9	Creation of the E-R and Relational diagrams	0,75
FR10	Test cases and testing of the page.	1
FR11	Validations throughout the application	0,5
FR12	Login System	1
FR13	Implementation of the Gmail API for the password recovery function.	1
FR14	The frontend validates whatever the user inputs into the system.	0,5
FR15	Implementation of the calendar library into the code.	1
FR16	Creation of textual descriptions of the use cases	0,25
FR17	Principal in charge of the backend and frontend functionality of budgets and attendance	1
FR18	Implementation of the schedule view for employees	0,25
FR19	Implementation of the user editing functionality.	1
Total:		**10**

Student Arshdep (297 hours)		
ID	**Functional Requirements**	**Workload**
FR20	Code documentation	0,75
FR21	Figma design	0,5
FR22	Test cases and testing of the page.	1
FR23	Functioning of the backend and frontend parts of absences.	1
FR24	Functioning of PDF download in the budget section and in documents.	1
FR25	Responsiveness of the page.	1
FR26	Creation of filters for all necessary parts on the page	1
FR27	Creation of textual descriptions of the use cases	1
FR28	Validations throughout the application	0,75
FR29	Responsible for making the incidents work in the administrator.	1
FR30	Implementation of views on the page.	1
Total:		**10**

Link

13. Conclusion

In conclusion, we are very pleased with our work as a group. We have divided tasks effectively and have supported each other when encountering problems in any part of the code. We believe that our project is quite comprehensive, although we would have liked to implement some localization features in the time tracking section, but we didn't have enough time to achieve this.

One of the most important aspects is that everyone has worked on both the backend and frontend, so we have learned a great deal from both sides. Additionally, we have experimented with using the FullCalendar library for the scheduling functionality in our project. We felt it was necessary to have a visually appealing calendar integrated with Tailwind CSS, as we had not utilized it before.