HUMAN RESOURCES

Overview

You need a web-application to work with the organization's departments and keep track of its employees. The application must implement the following functions:

- View a list of departments;
- Adding new departments;
- Editing department;
- Deleting departments;
- Viewing the list of employees;
- Adding new employees;
- Editing employees;
- Deleting employees;
- Search for employees hired in the specified time period.

1. Departments

1.1 View a list of departments

This program mode is designed to view a list of all departments of the organization and the average salary of employees for each department.

Picture 1

The main scenario:

1. The page is the start page for the application (Pic. 1).
2. The table displays the following columns:
   - "Title" - the name of the department;
   - "Avg salary" - the average salary for the department.

1.2 Adding a new Department

This program mode is used to add a new Department.

Picture 2

Picture 3

The main scenario:

1. The user, while in the view of the list of departments, clicks the "Add" button (Pic. 2), the form for adding a new Department is displayed (Pic. 3);
2. The user enters the data and clicks the "Save" button;
3. If the data is entered correctly, the information is added to the database;
4. If the Department is successfully added, the view mode opens to view the list of departments with updated data.

The scenario for canceling changes:

1. The user, while in the view of the list of departments, clicks the "Add" button, the form for adding a new Department is displayed;
2. The user enters the data and clicks the "Cancel" button;
3. The information is not added to the database;
4. Opens the mode for viewing the list of departments without the data entered by the user.

1.3 Editing a Department

This program mode is designed for editing an existing Department.

Picture 4

Picture 5

The main scenario:

1. The user, while in the view of the list of departments, clicks the "Edit" button (Pic. 4);
2. The edit form is displayed with the data of the selected Department (Pic. 5);
3. The user corrects the data and clicks the "Save" button;
4. If the data is entered correctly, the information is updated in the database;
5. If the Department is successfully changed, the view mode opens to view the list of departments with the updated data.

The scenario for canceling changes:

1. The user, while in the view of the list of departments, clicks the "Edit" button;
2. The edit form is displayed with the data of the selected Department;
3. The user corrects the data and clicks the "Cancel" button;
4. The information is not added to the database;
5. Opens the mode for viewing the list of departments without the data entered by the user.
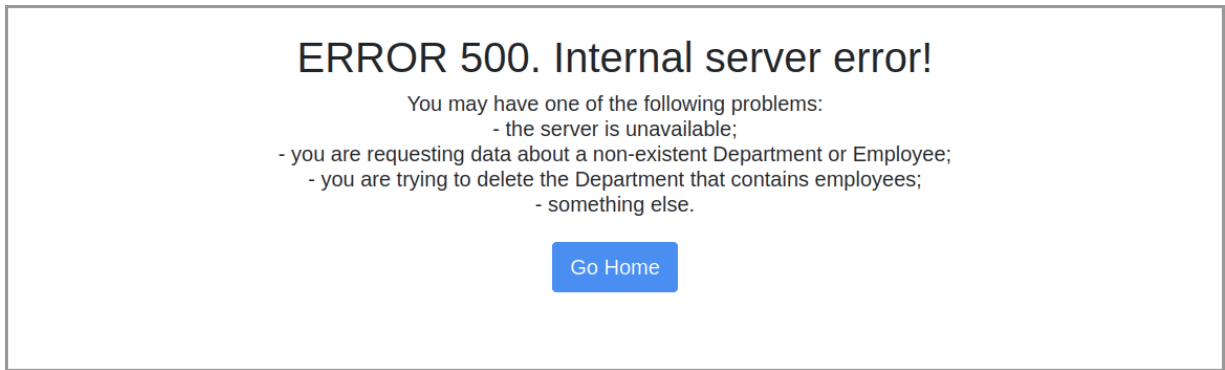
1.4 Deleting a Department

This program mode is used to delete an existing Department. Deletion can only occur if no employees belong to this Department.

Picture 6

Picture 7

ERROR 500. Internal server error!

You may have one of the following problems:
- the server is unavailable;
- you are requesting data about a non-existent Department or Employee;
- you are trying to delete the Department that contains employees;
- something else.

Go Home

Picture 8

The main scenario:

1. The user, while in the view of the list of departments, clicks the "Delete" button (Pic. 6);
2. A modal window appears with the text "Do you really want to delete department <DEPARTMENT NAME>?" and the "Close" and "Delete" buttons (Pic. 7);
3. The user clicks the "Delete" button;
4. The information is updated in the database;
5. If the Department does not contain employees, the modal window closes, opens the view mode for the list of departments with updated data.
6. If the Department contains employees, the error page opens (Pic. 8).

The scenario for canceling the deletion:

1. The user, while in the view of the list of departments, clicks the "Delete" button;
2. A modal window appears with the text "Do you really want to delete department <DEPARTMENT NAME>?" and the "Close" and "Delete" buttons;
3. The user clicks the "Close" button or on any place on the screen other than the modal window;
4. The modal window closes, and the view of the list of departments opens without changes.

2. Employees

2.1 Viewing the list of employees

This program mode is designed to view a list of all employees of the organization and data for each of them (first name, last name, email, salary, department, date of employment).
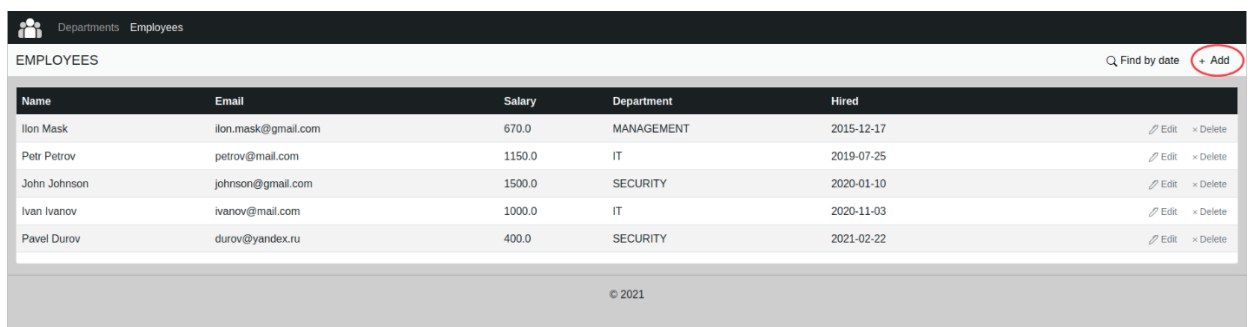

Picture 9

The main scenario:

1. The user, while in the view of the list of departments, clicks the "Employees" button (Pic. 8);
2. A table of all employees is displayed (Pic. 9);
3. The following columns are displayed in the table:
   - "Name" - the employee's first and last name;
   - "Email" - employee's email address;
   - "Salary" - employee's salary;
   - "Department" - the department where the employee works;
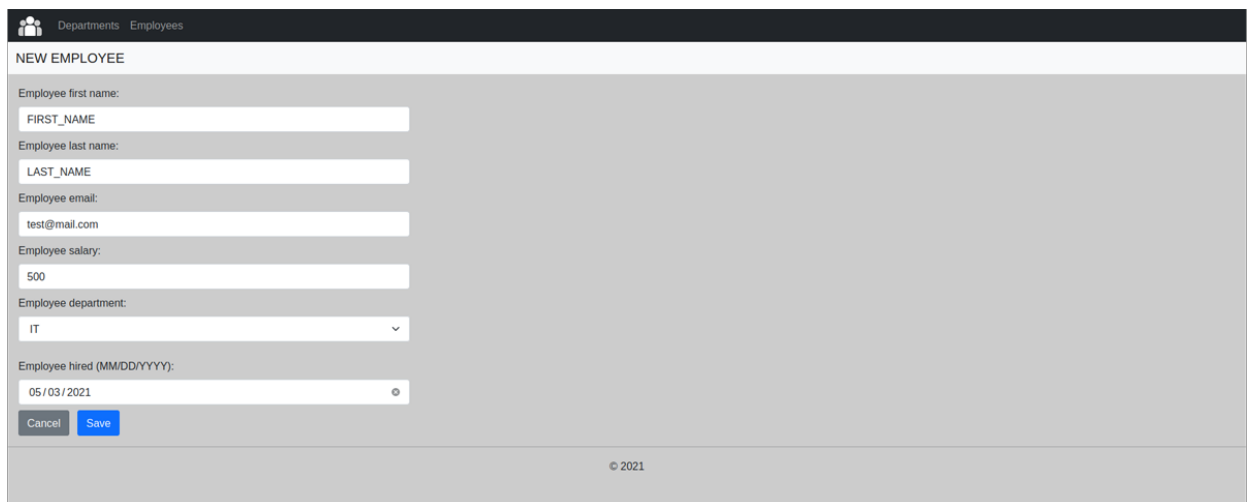   - "Hired" - the date when the employee was hired.

2.2 Adding a new Employee

This program mode is used to add a new Employee.

Picture 10

Picture 11

ERROR 400. Bad request!

You may have entered incorrect data when you were creating or editing the Department or Employee

Go Home

Picture 12

The main scenario:

1. The user, while in the view of the list of employees, clicks the "Add" button (Pic. 10), the form for adding a new Employee is displayed (Pic. 11);
2. The user enters the data and clicks the "Save" button;
3. If the data is entered correctly, the information is added to the database;
4. If the employee is successfully added, the employee list view opens with the updated data.
5. If the data isn't entered correctly, the error page opens (Pic. 12).

The scenario of canceling changes:

1. The user, while in the view of the list of employees, clicks the "Add" button, the form for adding a new Employee is displayed;
2. The user enters the data and clicks the "Cancel" button;
3. The information is not added to the database;
4. Opens the mode for viewing the list of employees without the data entered by the user.

2.3 Editing an Employee

This program mode is designed for editing an existing Employee.

Name	Email	Salary	Department	Hired		
Ilon Mask	ilon.mask@gmail.com	670.0	MANAGEMENT	2015-12-17	✎ Edit	× Delete
Petr Petrov	petrov@mail.com	1150.0	IT	2019-07-25	✎ Edit	× Delete
John Johnson	johnson@gmail.com	1500.0	SECURITY	2020-01-10	✎ Edit	× Delete
Ivan Ivanov	ivanov@mail.com	1000.0	IT	2020-11-03	✎ Edit	× Delete
Pavel Durov	durov@yandex.ru	400.0	SECURITY	2021-02-22	✎ Edit	× Delete

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Picture 13

Picture 14

The main scenario:

1. The user, while in the view of the list of employees, clicks the "Edit" button (Pic. 13);
2. The edit form is displayed with the data of the selected Employee (Pic. 14);
3. The user corrects the data and clicks the "Save" button;
4. If the data is entered correctly, the information is updated in the database;
5. If the Employee has been successfully changed, the employee list view opens with the updated data.
6. If the data isn't entered correctly, the error page opens (Pic. 12).

The scenario of canceling changes:

1. The user, while in the view of the list of employees, clicks the "Edit" button;
2. The edit form is displayed with the data of the selected Employee;
3. The user corrects the data and clicks the "Cancel" button;
4. The information is not added to the database;
5. Opens the mode for viewing the list of employees without the data entered by the user.

2.4 Deleting an Employee
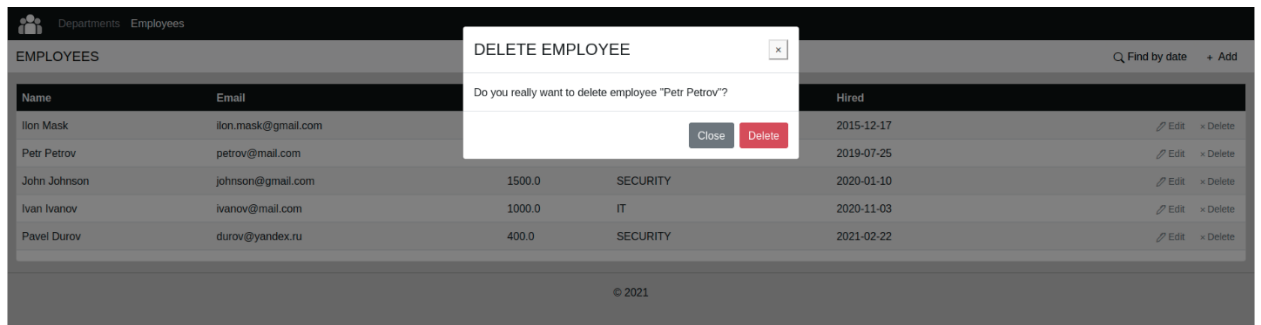
This program mode is used to delete an Employee.

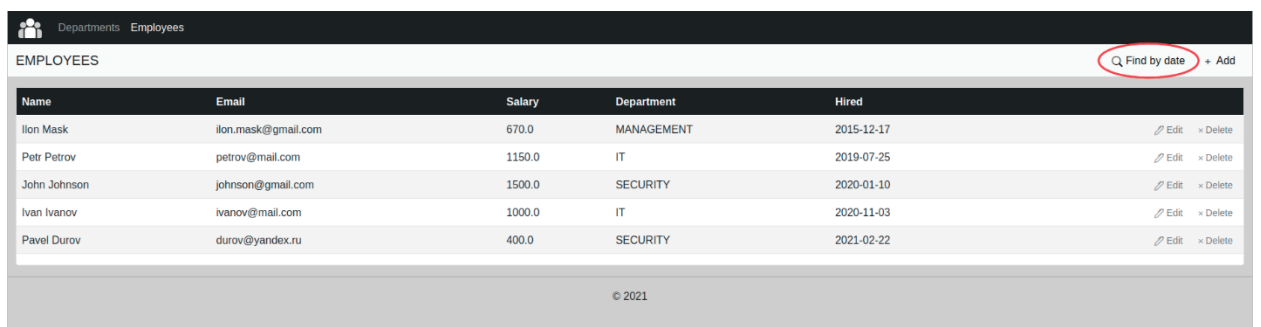*Picture 15*

Picture 16

The main scenario:

1. The user, while in the view of the list of employees, clicks the "Delete" button (Pic. 15);
2. A modal window appears with the text "Do you really want to delete employee <EMPLOYEE NAME>?" and the "Close" and "Delete" buttons (Pic. 16);
3. The user clicks the "Delete" button;
4. The information is updated in the database;
5. The modal window closes, opens the view of the list of employees without the deleted Employee.

**The scenario for canceling the deletion:**

1. The user, while in the employee list view mode, clicks the "Delete" button;
2. A modal window appears with the text "Do you really want to delete employee <EMPLOYEE NAME>?" and the "Close" and "Delete" buttons;
3. The user clicks the "Close" button or any place on the screen other than the modal window;
4. The modal window closes, and the view of the list of employees opens without changes.

2.5 Search for employees by date of employment

This mode is used to search for employees who were hired during the time period specified by the user.

Picture 17
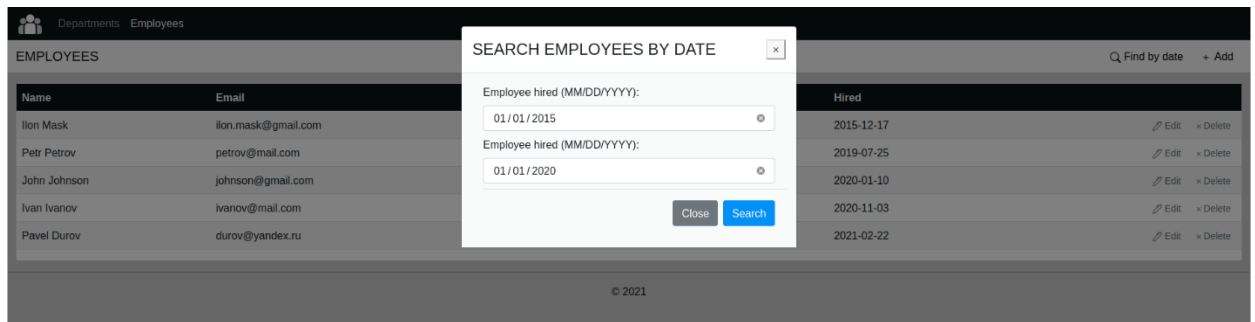
Picture 18

The main scenario:

1. The user, while in the view of the list of employees, clicks the "Find by date" button (Pic. 17);
2. A modal window appears with a data entry form and the "Close" and "Search" buttons (Pic. 18);
3. The user enters the start and end dates for the search;
4. The user clicks the "Search" button;
5. The modal window closes, and the mode for viewing the list of employees opens with updated data.

The search cancellation scenario:

1. The user, while in the employee list view mode, clicks the "Find by date" button;
2. A modal window appears with a data entry form and the "Close" and "Search" buttons;
3. The user enters the start and end dates for the search;
4. The user clicks the "Close" button or any place on the screen other than the modal window;
5. The modal window closes, and the view of the list of employees opens without changes.