

HUMAN RESOURCES

Perspective

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.



The screenshot shows a web application interface with a dark header bar containing a user icon and the text 'Departments Employees'. Below the header, there is a section titled 'DEPARTMENTS' with a '+ Add' button on the right. A table displays the following data:

Title	Avg salary	
IT	1075	Edit Delete
MANAGEMENT		Edit Delete
SECURITY	856	Edit Delete

At the bottom of the interface, there is a copyright notice: '© 2021'.

Picture 1

The main scenario:

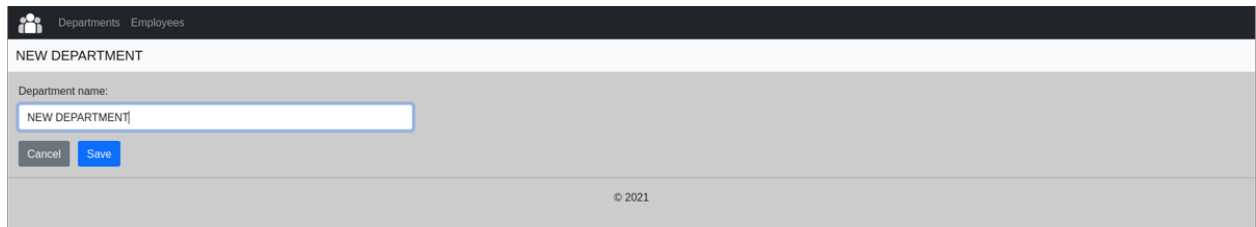
1. The page is the start page for the application (Pic. 1).
2. The table displays the following columns:
 - "Title" - the name of the department;
 - "Avg salary" - the average salary for the department.

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.

Title	Avg salary	Edit	Delete
IT	1075	Edit	Delete
MANAGEMENT	1075	Edit	Delete
SECURITY	856	Edit	Delete

Picture 6

Picture 7

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. The modal window closes, opens the view mode for the list of departments with updated data.

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, date of employment).



Departments Employees	
DEPARTMENTS + Add	
Title	Avg salary
IT	1075
MANAGEMENT	
SECURITY	856
© 2021	

Picture 8

Departments

Employees

EMPLOYEES

Find by date

+ Add

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

© 2021

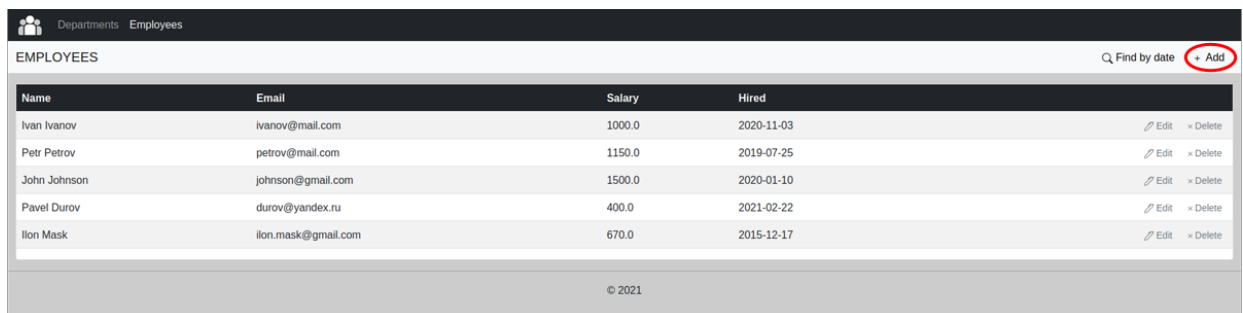
Picture 9

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;
 - "Hired" - the date when the employee was hired.

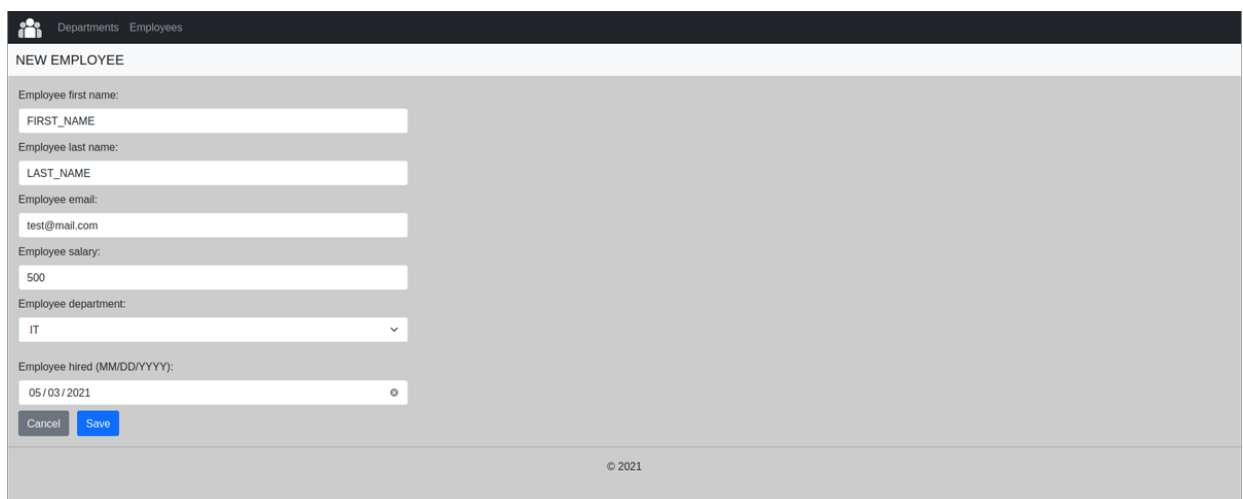
2.2 Adding a new Employee

This program mode is used to add a new Employee.



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

Picture 10



NEW EMPLOYEE

Employee first name:
FIRST_NAME

Employee last name:
LAST_NAME

Employee email:
test@mail.com

Employee salary:
500

Employee department:
IT

Employee hired (MM/DD/YYYY):
05/03/2021

[Cancel](#) [Save](#)

Picture 11

The main scenario:

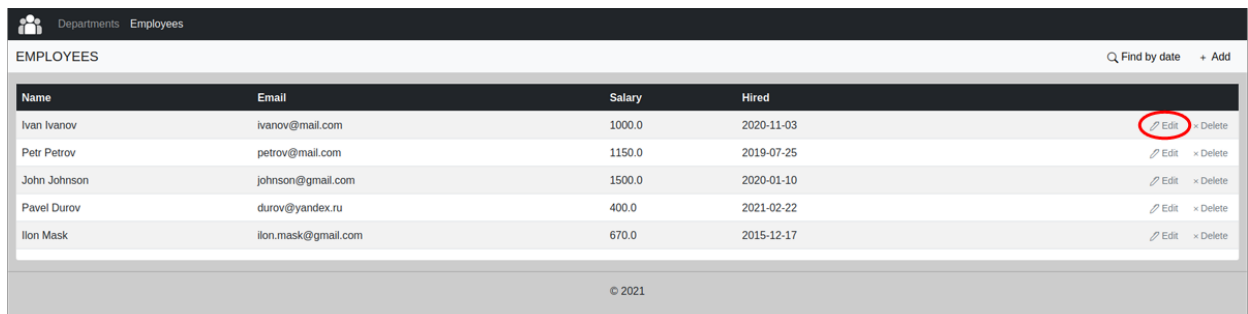
1. The user, while in the view of the list of employees, clicks the "Add" button (Pic. 10), the form for adding a new Employee is displayed (Pic. 11);
2. The user enters the data and clicks the "Save" button;
3. If the data is entered correctly, the information is added to the database;
4. If the employee is successfully added, the employee list view opens with the updated data.

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.

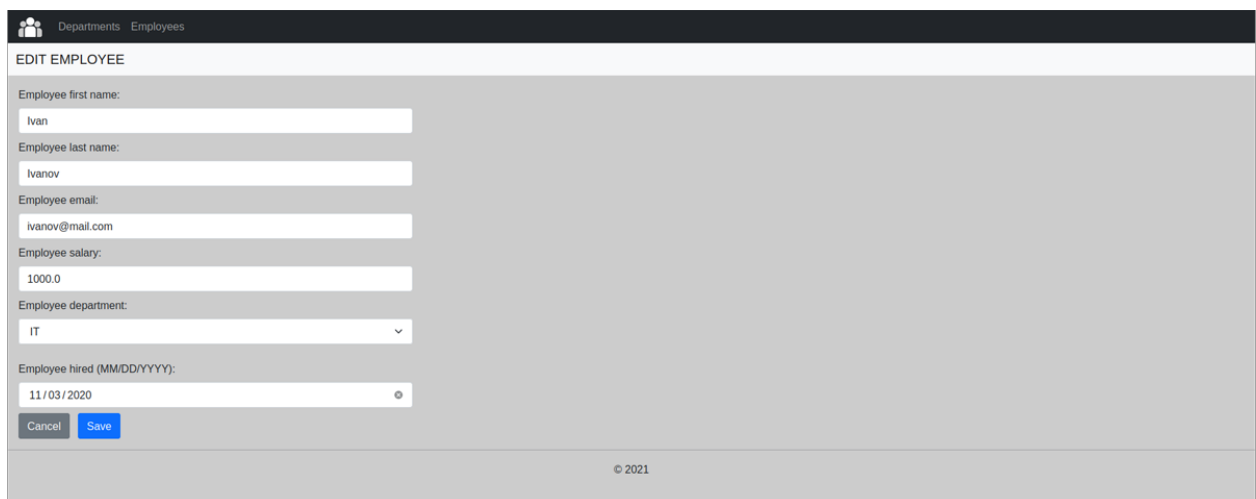
2.3 Editing an Employee

This program mode is designed for editing an existing Employee.



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

Picture 12



EDIT EMPLOYEE

Employee first name:

Employee last name:

Employee email:

Employee salary:

Employee department:

Employee hired (MM/DD/YYYY):

[Cancel](#) [Save](#)

Picture 13

The main scenario:

1. The user, while in the view of the list of employees, clicks the "Edit" button (Pic. 12);
2. The edit form is displayed with the data of the selected Employee (Pic. 13);
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.

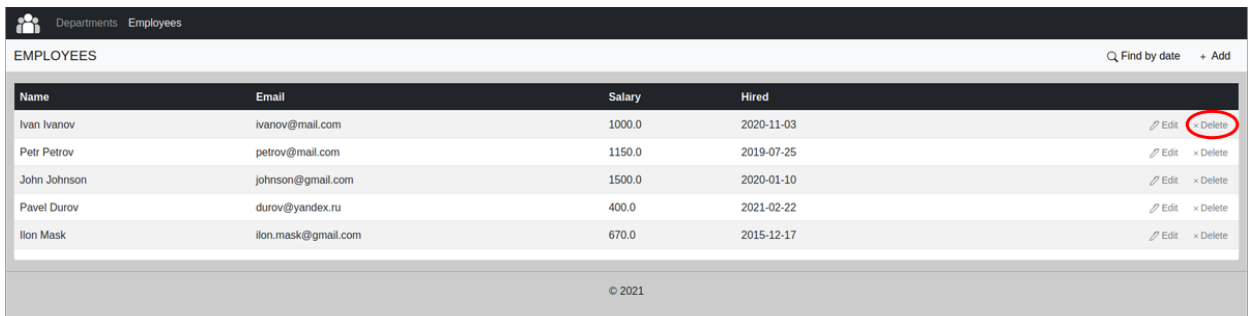
The scenario of canceling changes:

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.

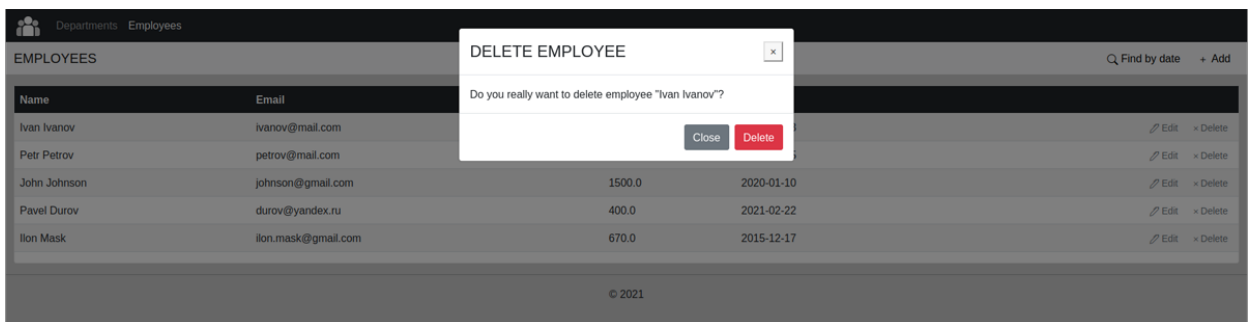
2.4 Deleting an Employee

This program mode is used to delete an Employee.



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

Picture 14



Picture 15

The main scenario:

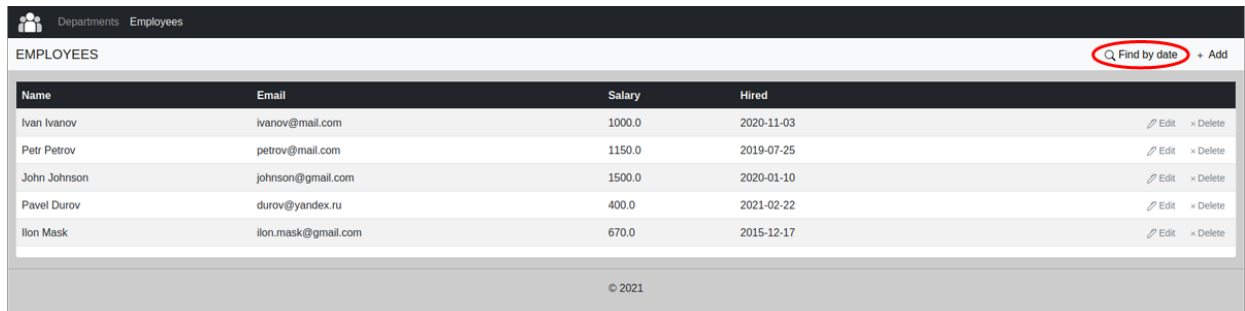
1. The user, while in the view of the list of employees, clicks the "Delete" button (Pic. 14);
2. A modal window appears with the text "Do you really want to delete employee <EMPLOYEE NAME>?" and the "Close" and "Delete" buttons (Pic. 15);
3. The user clicks the "Delete" button;
4. The information is 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

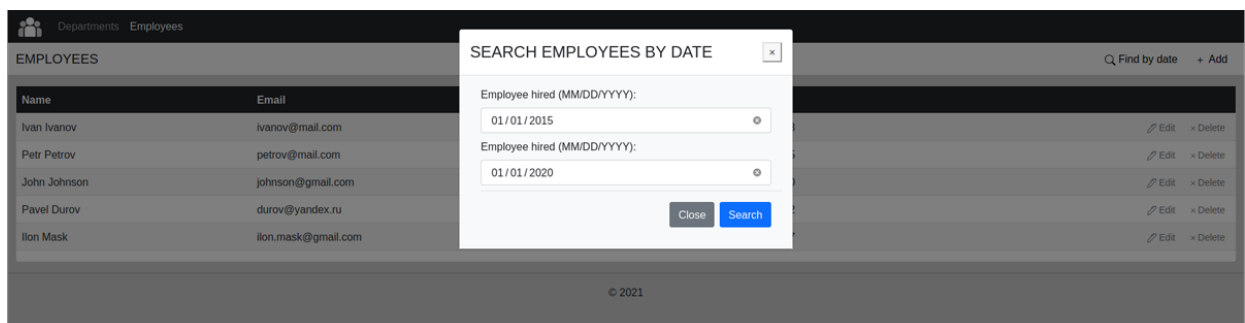
This mode is used to search for employees who were hired during the time period specified by the user.



The screenshot shows a web application interface with a top navigation bar containing 'Departments' and 'Employees' links. Below the navigation bar is a header for the 'EMPLOYEES' table. In the top right corner of this header, there is a button labeled 'Find by date' with a magnifying glass icon, which is circled in red. Next to it is an '+ Add' button. The table itself has four columns: 'Name', 'Email', 'Salary', and 'Hired'. It contains five rows of employee data. Each row has 'Edit' and 'Delete' links at the end. At the bottom of the table, there is a copyright notice '© 2021'.

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

Picture 16



The screenshot shows the same 'EMPLOYEES' table as in Picture 16, but with a modal window titled 'SEARCH EMPLOYEES BY DATE' open in the center. The modal has two date input fields, both labeled 'Employee hired (MM/DD/YYYY):'. The first field contains '01 / 01 / 2015' and the second contains '01 / 01 / 2020'. At the bottom of the modal are 'Close' and 'Search' buttons. The background table is dimmed. The copyright notice '© 2021' is visible at the bottom.

Picture 17

The main scenario:

1. The user, while in the view of the list of employees, clicks the "Find by date" button (Pic. 16);
2. A modal window appears with a data entry form and the "Close" and "Search" buttons (Pic. 17);
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.