

Web-application allows users to view information about departments and

Application should provide:

- Display list of employees of current department

- Display a list of departments and the average salary for these departments

- Display a list of employees in the departments with an indication of the salary for each employee and a search field to search for employees born on a certain date or in the period between dates

- Updating the list of departments (add / edit / delete)

- Updating the list of employees (add / edit / delete)

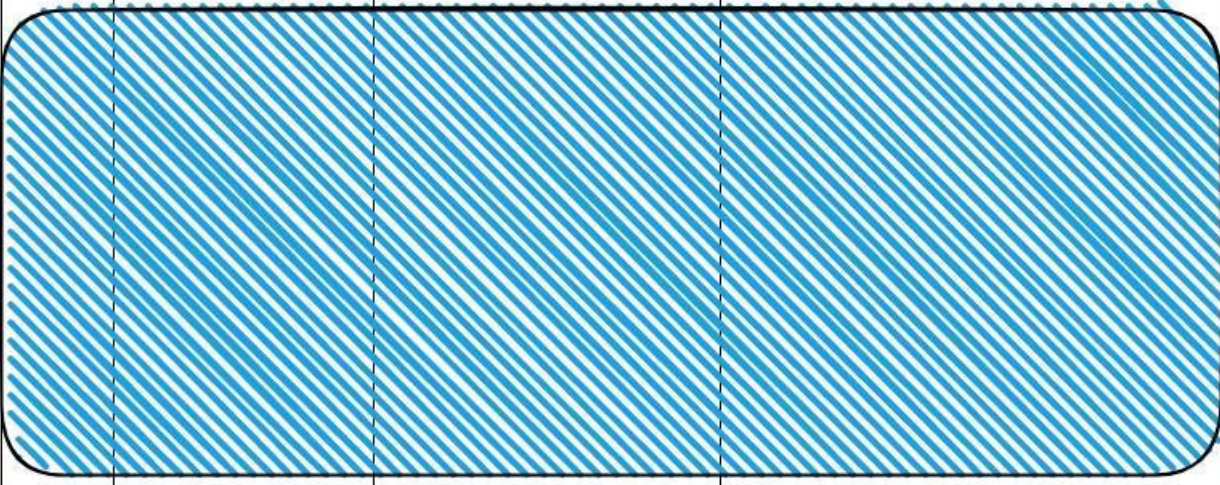
1. Departments

1.1 Display list of departments

The mode is designed to view the list of departments.

Main scenario:

- Application displays list of departments

#	Name of Department	Average salary	Action
Integer	Text	Float value of average salary of all employees of current department	Button 'Edit' Button 'Delete'
			

Pic. 1.1 View the list

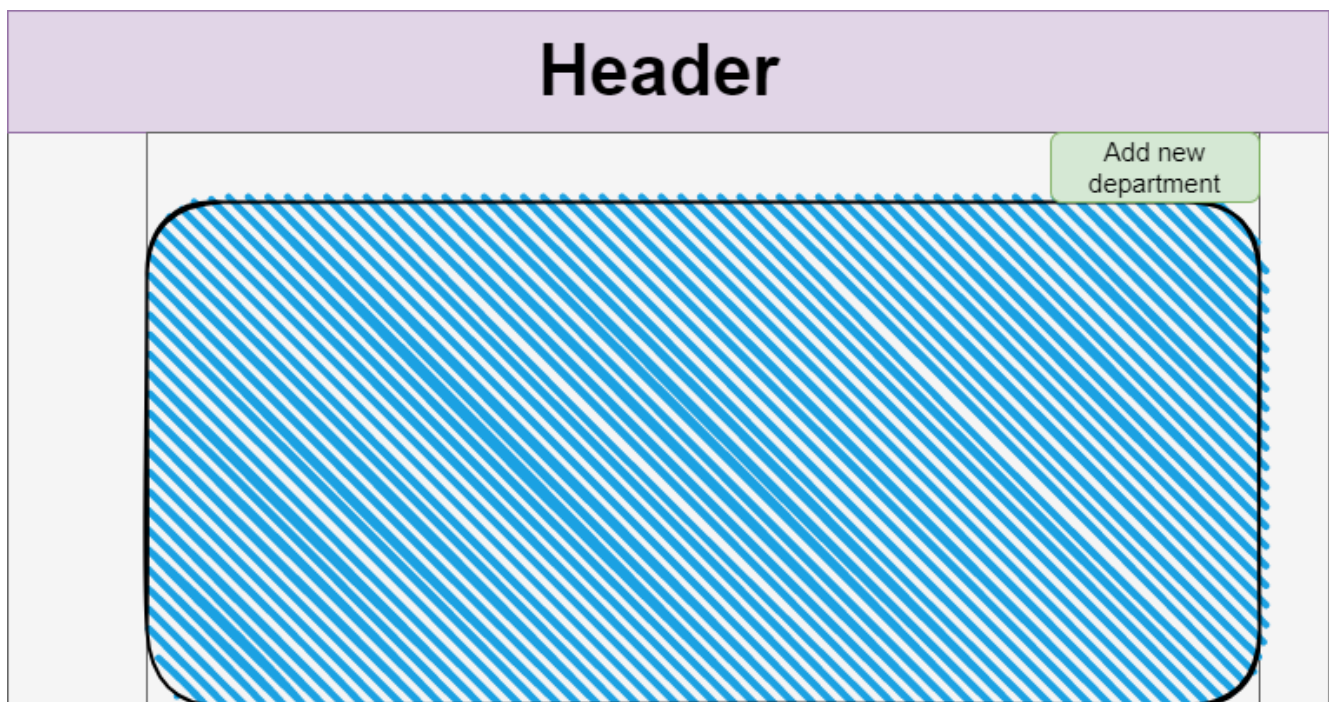
The list displays the following columns:

- # – sequence number
- Name of department – name of current department, link for displaying all employees of current department
- Average salary – contains value of average salary of all employees of current department
- Action – contains two buttons – 'Edit' and 'Delete'

1.2 Add new department

Main scenario:

- User clicks the “Add new department” button in the main page
- Button opens modal form for entering department name;
- If any data is entered incorrectly, warning messages is displayed;
- If entered data is valid, then record is adding to database;
- If error occurs, then error message is displayed;
- If a new record is successfully added, then the list of departments is displayed.



Pic. 1.2 'Add new department' button

The image shows a modal window with a white background and a black border. At the top right corner, there is a small "X" icon for closing the window. Inside the modal, there is a light gray rounded rectangle with the text "Add department". Below this, there is a text input field with the label "Name". At the bottom of the modal, there are two buttons: a light blue button labeled "Add" and a gray button labeled "Close".

Pic.1.2.1 Modal window

When adding a new department, the following details must be entered:

- Department name – text field

1.3 Edit department

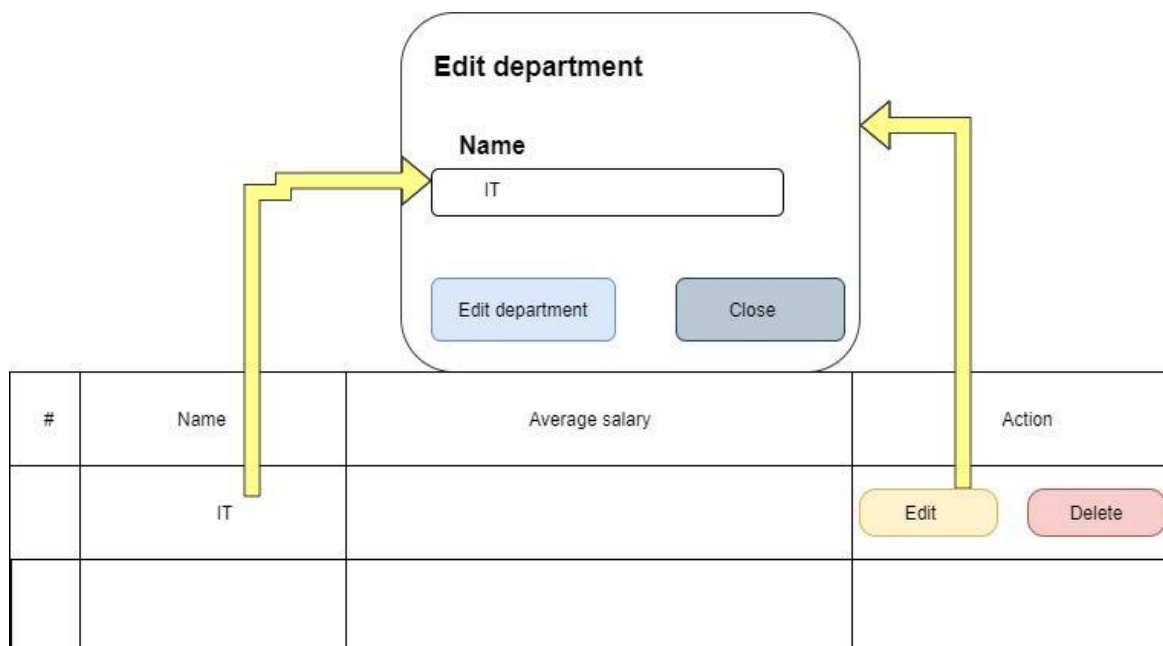
Main scenario:

User clicks the “Edit” button in the orders list view mode;

- Application displays form to enter new department name
- User enters data and click on the “Edit department” button
- The field 'Name' displays the current department's name
- If any data isn't entered unique, incorrect data messages are displayed
- If entered data is valid, then edited data is added to database
- If error occurs, then error message is displaying

Cancel operation scenario:

- User clicks the “Edit” button
- Application displays form to entering a new data
- Press the 'Close' button for closing modal window



Pic. 1.3 Edit department

When editing a departmen's name, the following details are entered:

- Name – departments name

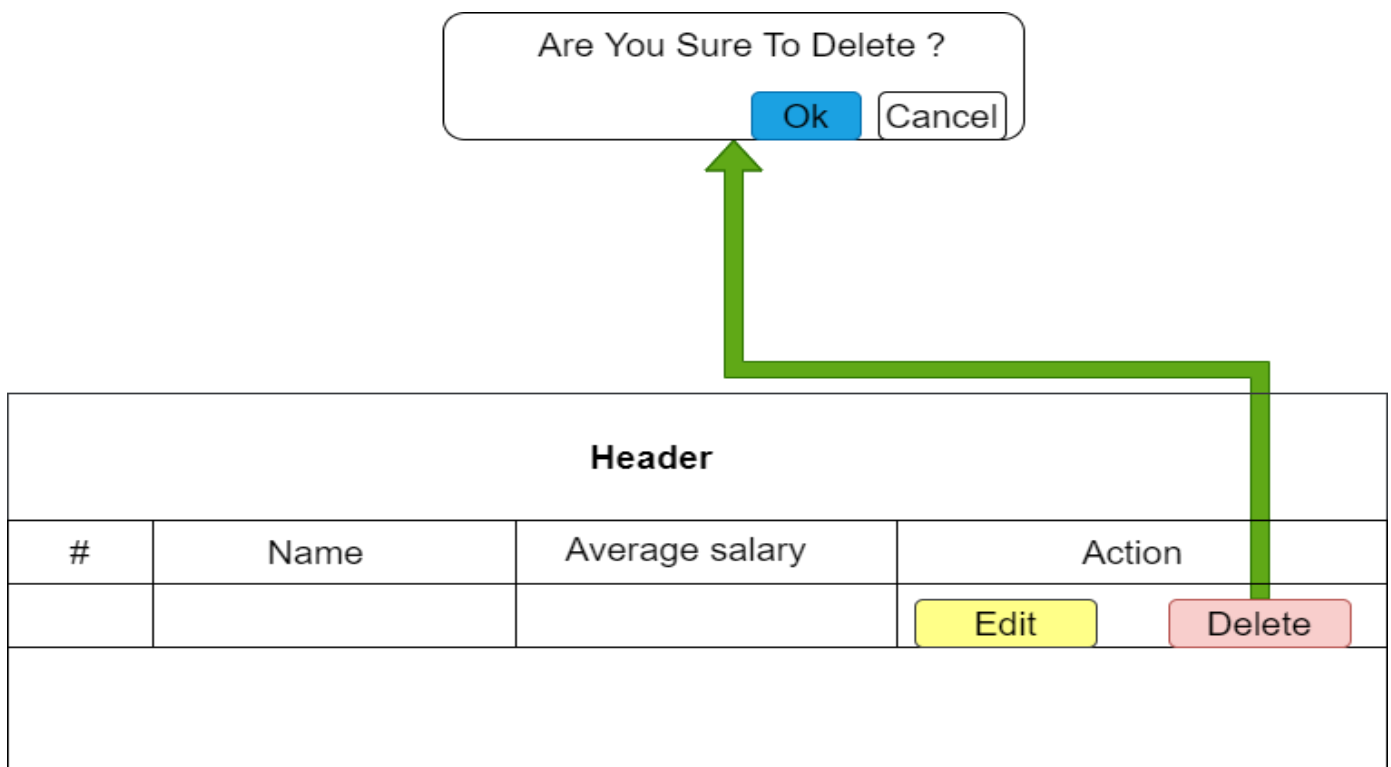
Constraints for a data validation:

- Name– maximum length of 30 characters

1.4 Removing the department

Main scenario:

- The user, while in the list of departments, presses the "Delete" button in the selected order line
- If the department can be removed, a confirmation dialog is displayed
- The user confirms the removal of the order
- Record is deleted from database



Pic. 1.4 Delete order dialog

Cancel operation scenario:

- User clicks the "Delete" button
- Application displays form to entering a new data
- Press the 'Close' button for closing modal window

2. Employee

2.1 Display list of employees

This mode is intended for viewing and editing the list of employees

Main scenario:

- User click on a name of department on the main page
- Application displays list of all employees of current department

Header							
Main page		Selected employees					Add new employee
		Filter					
#	First name	Last name	Middle name	Birth	Salary	Department	Action
Integer	Text	Text	Text	yy/mm/dd	Integer	Text	Edit Delete

Pic 2.1 View the employees

The list displays the following columns:

- #– sequence number
- First name – employee’s first name
- Last name – employee’s last name
- Middle name - employee’s middle name
- Birth date – employee’s birth date
- Salary – employee's salary
- Department – employee's working department
- Action – contains two buttons – 'Edit' and 'Delete'

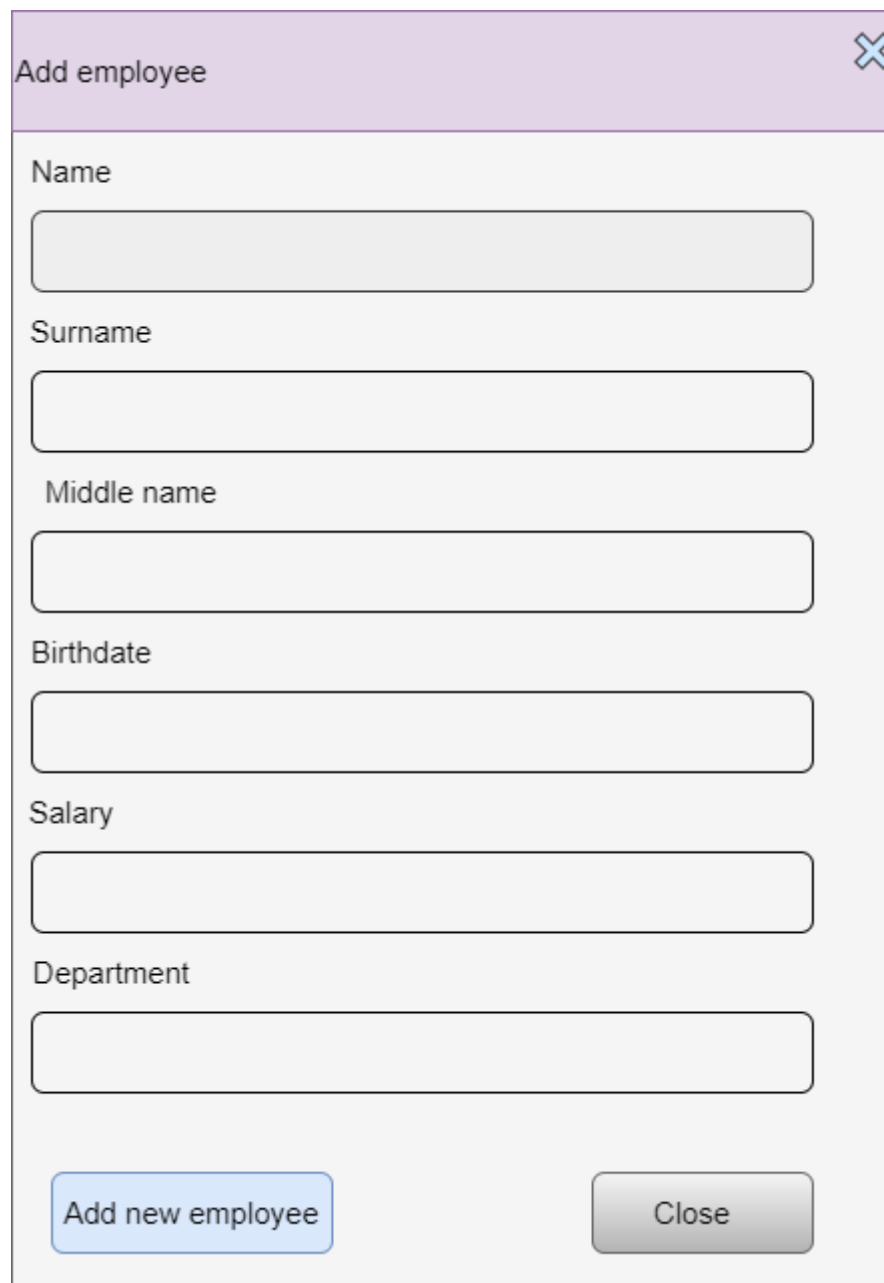
Filtering by date:

- Search field to search for employees born on a certain date or in the period between dates
- The application will show the employees only for a certain period of time

2.2 Add employee

Main scenario:

- User press the “Add new employee” button in the employees page
- Application displays form to enter employee's data
- User enters employee’s data and click “Add new employee” button
- If any data is entered incorrectly, incorrect data messages are displayed
- If entered data is valid, then record is adding to database
- If error occurs, then error message is displaying
- If new client record is successfully added, then list of clients with added records is displaying



The image shows a web form titled "Add employee". The form is enclosed in a light grey border. At the top, there is a purple header bar with the text "Add employee" on the left and a small blue "X" icon on the right. Below the header, the form contains six input fields, each with a label above it: "Name", "Surname", "Middle name", "Birthdate", "Salary", and "Department". Each input field is a light grey rectangle with a thin black border. At the bottom of the form, there are two buttons: a blue button with the text "Add new employee" and a grey button with the text "Close".

Pic. 2.2 Add client

When adding a client, the following details are entered:

- First name – employee's first name;
- Last name – employee's last name
- Middle name - employee's middle name
- Birthday – employee's date of birth
- Salary – employee's salary
- Department - employee's department

Constraints for data validation:

- First name – maximum length of 50 characters
- Last name – maximum length of 50 characters
- Middle name - maximum length of 50 characters
- Birthday – employee's date of birth in format dd/mm/yyyy.
- Salary – float value
- Department – integer value of related department id

2.3 Edit employee

Main scenario:

- User clicks the “Edit” button in the list of employees
- Application displays form to enter new employee data
- Application displays in the form of entering a new data, current data
- User enters employee’s data and presses “Edit employee” button
- If any data is entered incorrectly, incorrect data messages are displayed
- If entered data is valid, then edited data is added to database
- If an error occurs, then error message is displaying
- If a record is successfully edited, then a list of employees with added records is displaying

2.4 Removing employee

Main scenario:

- The user, while in the list of employees mode, presses the "Delete" button in the selected employee line;
- Application displays confirmation dialog “Please confirm delete employee?”;
- The user confirms the removal of the employee;
- Record is deleted from database;
- If an error occurs, then error message displays;
- If an employee record is successfully deleted, then a list of employees without deleted records is displayed.