

Лабораторна робота №3

Для взаємодії з даними були створені форми:

Cars:

```
'use client';
import {useState} from "react";

export default function CarForm({action, row, text}: any) {
  const [formData, setFormData] = useState({
    brand: row ? row.brand : '',
    model: row ? row.model : '',
    year: row ? row.year : '',
    price: row ? row.price : '',
    id: row ? row.id : '',
  });

  const [visible, setVisible] = useState(false);

  const handleInputChange = (e) => {
    const {name, value} = e.target;
    setFormData({...formData, [name]: value});
  };

  return (
    <>
      <div
        className={`$${visible ? '' : 'hidden'} fixed top-0 left-0 w-full
h-full flex items-center justify-center backdrop-blur-md`}>
        <div className="container mx-auto mt-4 border-blue-700 border-4
rounded-lg">
          <form action={async (formData: FormData) => {
            setVisible(false)
            await action(formData)
          }} className="bg-white dark:bg-gray-900 p-4 shadow-md">
            <button
              type={'button'}
              className="float-right mb-4 top-2 right-2 bg-red-500
hover:bg-blue-600 text-white py-2 px-4 rounded-md focus:outline-none focus:ring
focus:ring-blue-500 focus:ring-opacity-50"
              onClick={() => setVisible(false)}>X
            </button>
            <br/>
            <div className="mb-4">
              <label htmlFor="brand"
                className="block text-sm font-medium
text-gray-700 dark:text-gray-400">
                Brand
              </label>
              <input
                type="hidden"
                id="id"
                name="id"
                value={formData.id}
              />
              <input
                type="text"
                id="brand"
                name="brand"
```

```

        value={formData.brand}
        onChange={handleInputChange}
        className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
      />
    </div>
    <div className="mb-4">
      <label htmlFor="model"
        className="block text-sm font-medium
text-gray-700 dark:text-gray-400">
        Model
      </label>
      <input
        type="text"
        id="model"
        name="model"
        value={formData.model}
        onChange={handleInputChange}
        className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
      />
    </div>
    <div className="mb-4">
      <label htmlFor="year"
        className="block text-sm font-medium
text-gray-700 dark:text-gray-400">
        Year
      </label>
      <input
        type="number"
        id="year"
        name="year"
        value={formData.year}
        onChange={handleInputChange}
        className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
      />
    </div>
    <div className="mb-4">
      <label htmlFor="price"
        className="block text-sm font-medium
text-gray-700 dark:text-gray-400">
        Price
      </label>
      <input
        type="number"
        id="price"
        name="price"
        value={formData.price}
        onChange={handleInputChange}
        className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
      />
    </div>
    <button

```

```

        type="submit"
        className="bg-blue-500 text-white py-2 px-4 rounded-md
hover:bg-blue-600 focus:outline-none focus:ring focus:ring-blue-500
focus:ring-opacity-50"
      >
        Submit
      </button>
    </form>
  </div>
</div>
<button onClick={() => setVisible(true)}
  className="bg-blue-500 hover:bg-blue-600 text-white py-2 px-4
rounded-md focus:outline-none focus:ring focus:ring-blue-500 focus:ring-opacity-50"
>{text}</button>
</>
);
}

```

The image shows a dark-themed modal form for adding a new car. The form has a title bar with a close button (X). It contains four input fields labeled 'Brand', 'Model', 'Year', and 'Price'. A blue 'Submit' button is at the bottom left.

Customers:

```

'use client';
import {useState} from "react";

export default function CustomerForm({action, row, text}) {
  const [formData, setFormData] = useState({
    firstname: row ? row.firstname : '',
    lastname: row ? row.lastname : '',
    email: row ? row.email : '',
    phone: row ? row.phone : '',
    id: row ? row.id : '',
  });

  const [visible, setVisible] = useState(false);

  const handleInputChange = (e) => {
    const {name, value} = e.target;
    setFormData({...formData, [name]: value});
  };
}

```

```

return (
  <>
    <div
      className={` ${visible ? '' : 'hidden'} fixed top-0 left-0 w-full
h-full flex items-center justify-center backdrop-blur-md`}
    >
      <div className="container mx-auto mt-4 border-blue-700 border-4
rounded-lg">
        <form action={async (formData: FormData) => {
          setVisible(false);
          await action(formData);
        }}
          className="bg-white dark:bg-gray-900 p-4 shadow-md"
        >
          <button
            type="button"
            className="float-right mb-4 top-2 right-2 bg-red-500
hover:bg-blue-600 text-white py-2 px-4 rounded-md focus:outline-none focus:ring
focus:ring-blue-500 focus:ring-opacity-50"
            onClick={() => setVisible(false)}
          >
            X
          </button>
          <br/>
          <div className="mb-4">
            <label
              htmlFor="firstname"
              className="block text-sm font-medium text-gray-700
dark:text-gray-400"
            >
              First Name
            </label>
            <input
              type="hidden"
              id="id"
              name="id"
              value={formData.id}
            />
            <input
              type="text"
              id="firstname"
              name="firstname"
              value={formData.firstname}
              onChange={handleInputChange}
              className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
            />
          </div>
          <div className="mb-4">
            <label
              htmlFor="lastname"
              className="block text-sm font-medium text-gray-700
dark:text-gray-400"
            >
              Last Name
            </label>
            <input
              type="text"

```

```

        id="lastname"
        name="lastname"
        value={FormData.lastname}
        onChange={handleInputChange}
        className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
      />
    </div>
    <div className="mb-4">
      <label
        htmlFor="email"
        className="block text-sm font-medium text-gray-700
dark:text-gray-400"
      >
        Email
      </label>
      <input
        type="email"
        id="email"
        name="email"
        value={FormData.email}
        onChange={handleInputChange}
        className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
      />
    </div>
    <div className="mb-4">
      <label
        htmlFor="phone"
        className="block text-sm font-medium text-gray-700
dark:text-gray-400"
      >
        Phone
      </label>
      <input
        type="tel"
        id="phone"
        name="phone"
        value={FormData.phone}
        onChange={handleInputChange}
        className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
      />
    </div>
    <button
      type="submit"
      className="bg-blue-500 text-white py-2 px-4 rounded-md
hover:bg-blue-600 focus:outline-none focus:ring focus:ring-blue-500
focus:ring-opacity-50"
    >
      Submit
    </button>
  </form>
</div>
</div>
<button

```

```

        onClick={() => setVisible(true)}
        className="bg-blue-500 hover:bg-blue-600 text-white py-2 px-4
rounded-md focus:outline-none focus:ring focus:ring-blue-500 focus:ring-opacity-50"
      >
        {text}
      </button>
    </>
  );
}

```



Employees:

```

'use client';
import {useState} from "react";

export default function EmployeeForm({action, row, text}) {
  const [formData, setFormData] = useState({
    firstname: row ? row.firstname : '',
    lastname: row ? row.lastname : '',
    position: row ? row.position : '',
    salary: row ? row.salary : '',
    password: row ? row.password : '',
    id: row ? row.id : '',
  });

  const [visible, setVisible] = useState(false);

  const handleInputChange = (e) => {
    const {name, value} = e.target;
    setFormData({...formData, [name]: value});
  };

  return (
    <>
      <div
        className={` ${visible ? '' : 'hidden'} fixed top-0 left-0 w-full
h-full flex items-center justify-center backdrop-blur-md`}
      >

```

```

<div className="container mx-auto mt-4 border-blue-700 border-4
rounded-lg">
    <form action={async (formData: FormData) => {
        setVisible(false)
        await action(formData)
    }} className="bg-white dark:bg-gray-900 p-4 shadow-md">
        <button
            type="button"
            className="float-right mb-4 top-2 right-2 bg-red-500
hover:bg-blue-600 text-white py-2 px-4 rounded-md focus:outline-none focus:ring
focus:ring-blue-500 focus:ring-opacity-50"
            onClick={() => setVisible(false)}
        >
            X
        </button>
        <br/>
        <div className="mb-4">
            <label
                htmlFor="firstname"
                className="block text-sm font-medium text-gray-700
dark:text-gray-400"
            >
                First Name
            </label>
            <input
                type="hidden"
                id="id"
                name="id"
                value={formData.id}
            />
            <input
                type="text"
                id="firstname"
                name="firstname"
                value={formData.firstname}
                onChange={handleInputChange}
                className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
            />
        </div>
        <div className="mb-4">
            <label
                htmlFor="lastname"
                className="block text-sm font-medium text-gray-700
dark:text-gray-400"
            >
                Last Name
            </label>
            <input
                type="text"
                id="lastname"
                name="lastname"
                value={formData.lastname}
                onChange={handleInputChange}
                className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
            />
        </div>
    </form>
</div>

```

```

    </div>
    <div className="mb-4">
      <label
        htmlFor="position"
        className="block text-sm font-medium text-gray-700
dark:text-gray-400"
      >
        Position
      </label>
      <input
        type="text"
        id="position"
        name="position"
        value={formData.position}
        onChange={handleInputChange}
        className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
      />
    </div>
    <div className="mb-4">
      <label
        htmlFor="salary"
        className="block text-sm font-medium text-gray-700
dark:text-gray-400"
      >
        Salary
      </label>
      <input
        type="number"
        id="salary"
        name="salary"
        value={formData.salary}
        onChange={handleInputChange}
        className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
      />
    </div>
    <div className="mb-4">
      <label
        htmlFor="password"
        className="block text-sm font-medium text-gray-700
dark:text-gray-400"
      >
        Password
      </label>
      <input
        type="password"
        id="password"
        name="password"
        value={formData.password}
        onChange={handleInputChange}
        className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
      />
    </div>
    <button

```



```

        type="submit"
        className="bg-blue-500 text-white py-2 px-4 rounded-md
hover:bg-blue-600 focus:outline-none focus:ring focus:ring-blue-500
focus:ring-opacity-50"
      >
        Submit
      </button>
    </form>
  </div>
</div>
<button
  onClick={() => setVisible(true)}
  className="bg-blue-500 hover:bg-blue-600 text-white py-2 px-4
rounded-md focus:outline-none focus:ring focus:ring-blue-500 focus:ring-opacity-50"
>
  {text}
</button>
</>
);
}

```

The image shows a dark-themed login form with a blue border and a red close button in the top right corner. The form contains five input fields labeled "First Name", "Last Name", "Position", "Salary", and "Password". A blue "Submit" button is located at the bottom left of the form.

Sales:

```

'use client';
import {useState} from "react";

function formatDate(inputDateString) {
  const date = new Date(inputDateString);

  const year = date.getFullYear();
  const month = (date.getMonth() + 1).toString().padStart(2, '0');
  const day = date.getDate().toString().padStart(2, '0');

  const formattedDate = `${year}-${month}-${day}`;

  return formattedDate;
}

export default function SalesForm({action, row, text}: any) {

```

```

const [formData, setFormData] = useState({
  carid: row ? row.carid : '',
  customerid: row ? row.customerid : '',
  saledate: row ? row.saledate : '',
  saleprice: row ? row.saleprice : '',
  id: row ? row.id : '',
});

const [visible, setVisible] = useState(false);

const handleInputChange = (e) => {
  const {name, value} = e.target;
  setFormData({...formData, [name]: value});
};

return (
  <>
    <div
      className={` ${visible ? '' : 'hidden'} fixed top-0 left-0 w-full
h-full flex items-center justify-center backdrop-blur-md`}
    >
      <div className="container mx-auto mt-4 border-blue-700 border-4
rounded-lg">
        <form action={async (formData: FormData) => {
          setVisible(false)
          await action(formData)
        }} className="bg-white dark:bg-gray-900 p-4 shadow-md">
          <button
            type="button"
            className="float-right mb-4 top-2 right-2 bg-red-500
hover:bg-blue-600 text-white py-2 px-4 rounded-md focus:outline-none focus:ring
focus:ring-blue-500 focus:ring-opacity-50"
            onClick={() => setVisible(false)}
          >
            X
          </button>
          <br/>
          <div className="mb-4">
            <label
              htmlFor="carid"
              className="block text-sm font-medium text-gray-700
dark:text-gray-400"
            >
              Car ID
            </label>
            <input
              type="hidden"
              id="id"
              name="id"
              value={formData.id}
            />
            <input
              type="number"
              id="carid"
              name="carid"
              value={formData.carid}
              onChange={handleInputChange}

```

```

        className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
      />
    </div>
    <div className="mb-4">
      <label
        htmlFor="customerid"
        className="block text-sm font-medium text-gray-700
dark:text-gray-400"
      >
        Customer ID
      </label>
      <input
        type="number"
        id="customerid"
        name="customerid"
        value={formData.customerid}
        onChange={handleInputChange}
        className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
      />
    </div>
    <div className="mb-4">
      <label
        htmlFor="saledate"
        className="block text-sm font-medium text-gray-700
dark:text-gray-400"
      >
        Sale Date
      </label>
      <input
        type="date"
        id="saledate"
        name="saledate"
        value={formatDate(formData.saledate)}
        onChange={handleInputChange}
        className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
      />
    </div>
    <div className="mb-4">
      <label
        htmlFor="saleprice"
        className="block text-sm font-medium text-gray-700
dark:text-gray-400"
      >
        Sale Price
      </label>
      <input
        type="number"
        id="saleprice"
        name="saleprice"
        value={formData.saleprice}
        onChange={handleInputChange}

```

```

        className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
      />
    </div>
    <button
      type="submit"
      className="bg-blue-500 text-white py-2 px-4 rounded-md
hover:bg-blue-600 focus:outline-none focus:ring focus:ring-blue-500
focus:ring-opacity-50"
    >
      Submit
    </button>
  </form>
</div>
</div>
<button
  onClick={() => setVisible(true)}
  className="bg-blue-500 hover:bg-blue-600 text-white py-2 px-4
rounded-md focus:outline-none focus:ring focus:ring-blue-500 focus:ring-opacity-50"
  >
    {text}
  </button>
</>
);
}

```

Car ID

Customer ID

Sale Date

ДД.ММ.ПППП

Sale Price

Submit

Services:

```

'use client';
import {useState} from "react";

export default function ServiceForm({action, row, text}: any) {
  const [formData, setFormData] = useState({
    service_name: row ? row.service_name : '',
    description: row ? row.description : '',
    price: row ? row.price : '',
    id: row ? row.id : '',
  });
}

```

```

const [visible, setVisible] = useState(false);

const handleInputChange = (e) => {
  const {name, value} = e.target;
  setFormData({...formData, [name]: value});
};

return (
  <>
    <div
      className={` ${visible ? "" : "hidden"} fixed top-0 left-0 w-full
h-full flex items-center justify-center backdrop-blur-md`}
    >
      <div className="container mx-auto mt-4 border-blue-700 border-4
rounded-lg">
        <form action={async (formData: FormData) => {
          setVisible(false);
          await action(formData);
        }} className="bg-white dark:bg-gray-900 p-4 shadow-md">
          <button
            type="button"
            className="float-right mb-4 top-2 right-2 bg-red-500
hover:bg-blue-600 text-white py-2 px-4 rounded-md focus:outline-none focus:ring
focus:ring-blue-500 focus:ring-opacity-50"
            onClick={() => setVisible(false)}
          >
            X
          </button>
          <br/>
          <div className="mb-4">
            <label
              htmlFor="service_name"
              className="block text-sm font-medium text-gray-700
dark:text-gray-400"
            >
              Service Name
            </label>
            <input
              type="hidden"
              id="id"
              name="id"
              value={formData.id}
            />
            <input
              type="text"
              id="service_name"
              name="service_name"
              value={formData.service_name}
              onChange={handleInputChange}
              className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
            />
          </div>
          <div className="mb-4">
            <label
              htmlFor="description"

```

```

                className="block text-sm font-medium text-gray-700
dark:text-gray-400"
            >
                Description
            </label>
            <textarea
                id="description"
                name="description"
                value={formData.description}
                onChange={handleInputChange}
                className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
            />
        </div>
        <div className="mb-4">
            <label
                htmlFor="price"
                className="block text-sm font-medium text-gray-700
dark:text-gray-400"
            >
                Price
            </label>
            <input
                type="number"
                id="price"
                name="price"
                value={formData.price}
                onChange={handleInputChange}
                className="mt-1 p-2 block w-full rounded-md
border-gray-300 dark:border-gray-700 shadow-sm focus:ring focus:ring-blue-500
focus:border-blue-500 dark:bg-gray-800 dark:text-gray-300"
            />
        </div>
        <button
            type="submit"
            className="bg-blue-500 text-white py-2 px-4 rounded-md
hover:bg-blue-600 focus:outline-none focus:ring focus:ring-blue-500
focus:ring-opacity-50"
        >
            Submit
        </button>
    </form>
</div>
</div>
<button
    onClick={() => setVisible(true)}
    className="bg-blue-500 hover:bg-blue-600 text-white py-2 px-4
rounded-md focus:outline-none focus:ring focus:ring-blue-500 focus:ring-opacity-50"
    >
        {text}
    </button>
</>
    );
}

```

Service Name

Description

Price

Submit