

Tugas Pertemuan 13

1. Home.js

```
import React from "react";
import { Container, Row, Col, Button, Card } from "react-bootstrap";
import { Link } from "react-router-dom";
import heroImage from "../assets/hero-image.jpg";
import mhsPhoto from "../assets/mhs.jpg";

import CustomCard from "../components/CustomCard";

const Home = () => {
  return (
    <div className="container mt-5">
      <Container>
        <Row className="align-items-center">
          <Col md={6}>
            <h1 style={{ color: "white" }}>Welcome to My App!!</h1>
            <br />
            <CustomCard
              title="Yohanes Dimas Pratama"
              textNIM="A11.2021.13254"
              textKampus="Universitas Dian Nuswantoro"
              imageSrc={mhsPhoto}
              style={{ margin: "auto" }}
            />
          </Col>
          <Col md={6} className="mt-4 mt-md-0">
            <Card>
              <Card.Img variant="top" src={heroImage} alt="Hero Image" />
              <Card.Body>
                <Card.Title className="text-center">
                  What is User Management App?
                </Card.Title>
                <br />
                <Card.Text className="text-center mx-5">
                  This application is designed to provide an intuitive and
                  enjoyable experience in user data management. Using React
                  and
                  React Bootstrap technology, this application not only
                  makes it
```

```

        easier for users to add user data, but also provides an
        interactive experience in displaying user information
        efficiently and attractively.
    </Card.Text>
    <br />
    <div className="text-end">
        <Button
            as={Link}
            to="/users"
            variant="info"
            className="float-end"
        >
            Lihat Data Pengguna
        </Button>
    </div>
</Card.Body>
</Card>
</Col>
</Row>
</Container>
</div>
);
};

export default Home;

```

2. CustomCard.js

```

import React from "react";
import Card from "react-bootstrap/Card";

function CustomCard({ title, textNIM, textKampus, imageSrc }) {
    return (
        <Card style={{ width: "18rem" }}>
            <Card.Img variant="top" src={imageSrc} />
            <Card.Body>
                <Card.Title className="text-center" style={{ fontSize: "23px" }}>
                    {title}
                </Card.Title>
                <br />
                <Card.Text className="text-center" style={{ fontSize: "16px" }}>
                    {textNIM}
                </Card.Text>
                <Card.Text
                    className="text-center"
                    style={{ fontSize: "16px", marginTop: "-10px" }}
                >
                    {textKampus}
            </Card.Body>
        </Card>
    );
}

```

```

        </Card.Text>
      </Card.Body>
    </Card>
  );
}

export default CustomCard;

```

1. Navbar.js

```

import Container from "react-bootstrap/Container";
import Nav from "react-bootstrap/Nav";
import Navbar from "react-bootstrap/Navbar";
import NavDropdown from "react-bootstrap/NavDropdown";
import { Link } from "react-router-dom";

function Navigation() {
  return (
    <Navbar expand="lg" className="bg-body-tertiary">
      <Container>
        <Navbar.Brand as={Link} to="/" className="mx-auto">
          User Management App
        </Navbar.Brand>
        <Navbar.Toggle aria-controls="basic-navbar-nav" />
        <Navbar.Collapse id="basic-navbar-nav">
          <Nav className="mx-auto">
            <Nav.Link as={Link} to="/" className="mx-2">
              Home
            </Nav.Link>
            <Nav.Link as={Link} to="/users" className="mx-2">
              Users
            </Nav.Link>
            <NavDropdown
              title="Another Menu"
              id="basic-nav-dropdown"
              className="mx-2"
            >
              <NavDropdown.Item href="#action/3.1">
                Coming Soon
              </NavDropdown.Item>
              <NavDropdown.Divider />
              <NavDropdown.Item href="#action/3.2">
                Coming Soon
              </NavDropdown.Item>
              <NavDropdown.Divider />
              <NavDropdown.Item href="#action/3.3">
                Coming Soon
              </NavDropdown.Item>
            </NavDropdown>
          </Nav>
        </Navbar.Collapse>
      </Container>
    </Navbar>
  );
}

```

```

        <NavDropdown.Divider />
        <NavDropdown.Item href="#action/3.4">
            Coming Soon
        </NavDropdown.Item>
    </NavDropdown>
</Nav>
<Navbar.Text>
    Mata Kuliah: <a href="#login">Pemrograman Sisi Client</a>
</Navbar.Text>
</Navbar.Collapse>
</Container>
</Navbar>
);
}

export default Navigation;

```

2. AddUserForm.js

```

import React, { useState, useContext } from "react";
import { useDispatch } from "react-redux";
import { addUser } from "../redux/actions";
import { UserContext } from "../context/UserContext";
import { Form, Button, Card } from "react-bootstrap";

const AddUserForm = () => {
    const [name, setName] = useState("");
    const [email, setEmail] = useState("");
    const [city, setCity] = useState("");
    const [phone, setPhone] = useState("");
    const [website, setWebsite] = useState("");

    const { users, setUsers } = useContext(UserContext);
    const dispatch = useDispatch();

    const handleSubmit = (e) => {
        e.preventDefault();
        const newUser = {
            id: users.length + 1,
            name,
            email,
            address: {
                city,
            },
            phone,
            website,
        };
    };

```

```

    setUsers([...users, newUser]);

    dispatch(addUser(newUser));

    setName("");
    setEmail("");
    setCity("");
    setPhone("");
    setWebsite("");
  };

  return (
    <Card className="my-3 add-user-form">
      <Card.Body>
        <Card.Title
          primary
          style={{ color: "#0d6efd", textAlign: "center", fontSize: "30px"
        }}
      >
        Add Data User
      </Card.Title>
      <Form
        onSubmit={handleSubmit}
        style={{ color: "black", marginTop: "10px" }}
      >
        <Form.Group className="mb-3" controlId="formName">
          <Form.Label>Name</Form.Label>
          <Form.Control
            type="text"
            placeholder="Enter name"
            value={name}
            onChange={(e) => setName(e.target.value)}
            required
          />
        </Form.Group>

        <Form.Group className="mb-3" controlId="formEmail">
          <Form.Label>Email address</Form.Label>
          <Form.Control
            type="email"
            placeholder="Enter email"
            value={email}
            onChange={(e) => setEmail(e.target.value)}
            required
          />
        </Form.Group>

        <Form.Group className="mb-3" controlId="formCity">

```

```

        <Form.Label>City</Form.Label>
        <Form.Control
          type="text"
          placeholder="Enter city"
          value={city}
          onChange={(e) => setCity(e.target.value)}
          required
        />
      </Form.Group>

      <Form.Group className="mb-3" controlId="formPhone">
        <Form.Label>Phone</Form.Label>
        <Form.Control
          type="text"
          placeholder="Enter phone"
          value={phone}
          onChange={(e) => setPhone(e.target.value)}
          required
        />
      </Form.Group>

      <Form.Group className="mb-3" controlId="formWebsite">
        <Form.Label>Website</Form.Label>
        <Form.Control
          type="text"
          placeholder="Enter website"
          value={website}
          onChange={(e) => setWebsite(e.target.value)}
        />
      </Form.Group>

      <Button
        variant="success"
        type="submit"
        style={{ marginTop: "10px", width: "100%" }}
      >
        Add User
      </Button>
    </Form>
  </Card.Body>
</Card>
);
};

export default AddUserForm;

```

3. App.js

```
import React from "react";
import { BrowserRouter as Router, Route, Routes } from "react-router-dom";
import { Provider } from "react-redux";
import Navigation from "../components/Navbar";
import Home from "../pages/Home";
import Users from "../pages/Users";
import { UserProvider } from "../context/UserContext";
import store from "../redux/store";

const App = () => {
  return (
    <Provider store={store}>
      <UserProvider>
        <Router>
          <div className="App bg-dark" style={{ minHeight: "100vh" }}>
            <Navigation />
            <Routes>
              <Route exact path="/" element={<Home />} />
              <Route path="/users" element={<Users />} />
            </Routes>
          </div>
        </Router>
      </UserProvider>
    </Provider>
  );
};

export default App;
```

4. UserCard.js

```
import React from "react";
import { Card, Button } from "react-bootstrap";
import "../UserCard.css";

const UserCard = ({ user, onDelete, onEdit }) => {
  if (!user) {
    return null;
  }

  const handleEditClick = () => {
    onEdit(user);
  };

  return (
    <Card className="my-3">
      <Card.Body>
```

```

        <Card.Title>{user.name}</Card.Title>
        <Card.Subtitle className="mb-2 text-
muted">{user.email}</Card.Subtitle>
        <Card.Text>
            <strong>City:</strong> {user.address.city}
            <br />
            <strong>Phone:</strong> {user.phone}
            <br />
            <strong>Website:</strong> {user.website}
        </Card.Text>
        <div className="button-container">
            <Button
                className="edit-button"
                variant="primary"
                onClick={handleEditClick}
            >
                Edit
            </Button>
            <Button
                className="delete-button"
                variant="danger"
                onClick={() => onDelete(user.id)}
            >
                Delete
            </Button>
        </div>
    </Card.Body>
</Card>
);
};

export default UserCard;

```

5. Users.js

```

import React, { useContext, useEffect, useState } from "react";
import { useDispatch, useSelector } from "react-redux";
import UserCard from "../components/UserCard";
import { UserContext } from "../context/UserContext";
import {
    setUsers,
    deleteUser,
    editUser as editUserAction,
} from "../redux/actions";
import AddUserForm from "../components/AddUserForm";
import {
    Container,
    Row,

```



```

Col,
Modal,
Form,
Button,
Pagination,
Card,
} from "react-bootstrap";

const Users = () => {
  const { users } = useContext(UserContext);
  const dispatch = useDispatch();
  const reduxUsers = useSelector((state) => state.users);
  const [editUser, setEditUser] = useState(null);
  const [currentPage, setCurrentPage] = useState(1);
  const usersPerPage = 6;

  useEffect(() => {
    dispatch(setUsers(users));
  }, [users, dispatch]);

  const handleDeleteUser = (userId) => {
    dispatch(deleteUser(userId));
  };

  const handleEditUser = (user) => {
    setEditUser(user);
  };

  const handleCloseEditModal = () => {
    setEditUser(null);
  };

  const handleSaveEditedUser = () => {
    dispatch(editUserAction(editUser));
    handleCloseEditModal();
  };

  const indexOfLastUser = currentPage * usersPerPage;
  const indexOfFirstUser = indexOfLastUser - usersPerPage;
  const currentUsers = reduxUsers.slice(indexOfFirstUser, indexOfLastUser);
  const totalPages = Math.ceil(reduxUsers.length / usersPerPage);

  const paginate = (pageNumber) => setCurrentPage(pageNumber);

  const handleNextPage = () => {
    if (currentPage < totalPages) {
      setCurrentPage(currentPage + 1);
    }
  }
}

```

```

};

const handlePrevPage = () => {
  if (currentPage > 1) {
    setCurrentPage(currentPage - 1);
  }
};

return (
  <Container>
    <Row style={{ marginTop: "100px" }}>
      <Col md={4}>
        <AddUserForm />
      </Col>
      <Col md={8}>
        <Row>
          <h1
            style={{ color: "white", textAlign: "center", fontSize:
"30px" }}
          >
            List Data User
          </h1>
          {currentUsers.map((user) => (
            <Col key={user.id} sm={12} md={6} lg={4}>
              <UserCard
                user={user}
                onDelete={handleDeleteUser}
                onEdit={handleEditUser}
              />
            </Col>
          ))}
        </Row>
        <Pagination className="justify-content-center mt-2">
          <Pagination.Prev
            onClick={handlePrevPage}
            disabled={currentPage === 1}
            style={{ marginRight: "10px" }}
          >
            Sebelumnya
          </Pagination.Prev>
          {[...Array(totalPages)].map((_, index) => (
            <Pagination.Item
              key={index + 1}
              active={index + 1 === currentPage}
              onClick={() => paginate(index + 1)}
            >
              {index + 1}
            </Pagination.Item>
          ))}
        </Pagination>
      </Col>
    </Row>
  </Container>
);

```

```

    )))
    <Pagination.Next
      onClick={handleNextPage}
      disabled={currentPage === totalPages}
      style={{ marginLeft: "10px" }}
    >
      Selanjutnya
    </Pagination.Next>
  </Pagination>
</Col>
</Row>

<Modal show={!editUser} onHide={handleCloseEditModal}>
  <Modal.Header closeButton>
    <Modal.Title>Edit User</Modal.Title>
  </Modal.Header>
  <Modal.Body>
    <Form>
      <Form.Group className="mb-3" controlId="formName">
        <Form.Label>Name</Form.Label>
        <Form.Control
          type="text"
          placeholder="Enter name"
          value={editUser?.name || ""}
          onChange={(e) =>
            setEditUser({ ...editUser, name: e.target.value })
          }
          required
        />
      </Form.Group>

      <Form.Group className="mb-3" controlId="formEmail">
        <Form.Label>Email address</Form.Label>
        <Form.Control
          type="email"
          placeholder="Enter email"
          value={editUser?.email || ""}
          onChange={(e) =>
            setEditUser({ ...editUser, email: e.target.value })
          }
          required
        />
      </Form.Group>

      <Form.Group className="mb-3" controlId="formCity">
        <Form.Label>City</Form.Label>
        <Form.Control
          type="text"

```

```

        placeholder="Enter city"
        value={editUser?.address.city || ""}
        onChange={(e) =>
            setEditUser({
                ...editUser,
                address: { ...editUser.address, city: e.target.value },
            })
        }
        required
    />
</Form.Group>

    <Button variant="primary" onClick={handleSaveEditedUser}>
        Save Changes
    </Button>
</Form>
</Modal.Body>
</Modal>
</Container>
);
};

export default Users;

```

6. UserContext.js

```

import React, { createContext, useState, useEffect } from 'react';

export const UserContext = createContext();

export const UserProvider = ({ children }) => {
    const [users, setUsers] = useState([]);

    useEffect(() => {
        const fetchUsers = async () => {
            const response = await
fetch('https://jsonplaceholder.typicode.com/users');
            const data = await response.json();
            setUsers(data);
        };
        fetchUsers();
    }, []);

    return (
        <UserContext.Provider value={{ users, setUsers }}>
            {children}
        </UserContext.Provider>
    );
};

```

```
};
```

7. Actions.js

```
export const SET_USERS = "SET_USERS";
export const ADD_USER = "ADD_USER";
export const DELETE_USER = "DELETE_USER";
export const EDIT_USER = "EDIT_USER";

export const setUsers = (users) => ({
  type: SET_USERS,
  payload: users,
});

export const addUser = (user) => ({
  type: ADD_USER,
  payload: user,
});

export const deleteUser = (userId) => ({
  type: DELETE_USER,
  payload: userId,
});

export const editUser = (user) => ({
  type: EDIT_USER,
  payload: user,
});
```

8. Reducers.js

```
import { SET_USERS, ADD_USER, DELETE_USER, EDIT_USER } from "../actions";

const initialState = {
  users: [],
};

const rootReducer = (state = initialState, action) => {
  switch (action.type) {
    case SET_USERS:
      return {
        ...state,
        users: action.payload,
      };
    case ADD_USER:
      return {
        ...state,
        users: [...state.users, action.payload],
      };
  }
};
```

```

    case DELETE_USER:
      return {
        ...state,
        users: state.users.filter((user) => user.id !== action.payload),
      };
    case EDIT_USER:
      return {
        ...state,
        users: state.users.map((user) =>
          user.id === action.payload.id ? { ...user, ...action.payload } :
user
        ),
      };
    default:
      return state;
  }
};

export default rootReducer;

```

9. Store.js

```

import { createStore, applyMiddleware } from "redux";
import { thunk } from "redux-thunk";
import rootReducer from "./reducers";

const store = createStore(rootReducer, applyMiddleware(thunk));

export default store;

```

10. Tampilan hasil menjalankan aplikasi

