TUGAS 2

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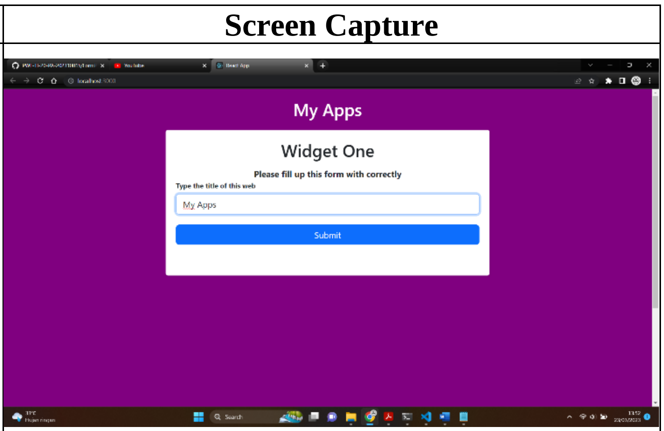
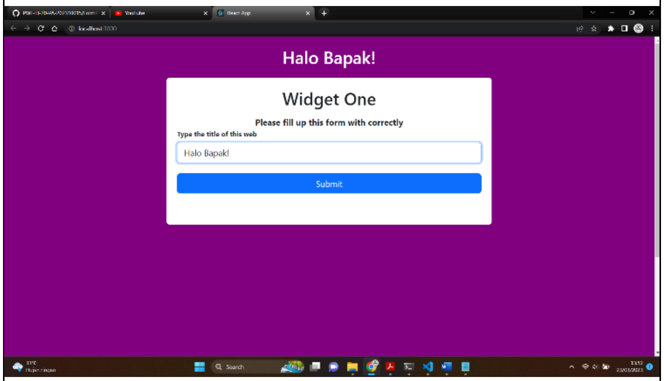
202310041

PARIWISATA DAN INFORMATIKA

TEKNOLOGI INFORMASI

INSTITUT BISNIS DAN INFORMATIKA KESATUAN

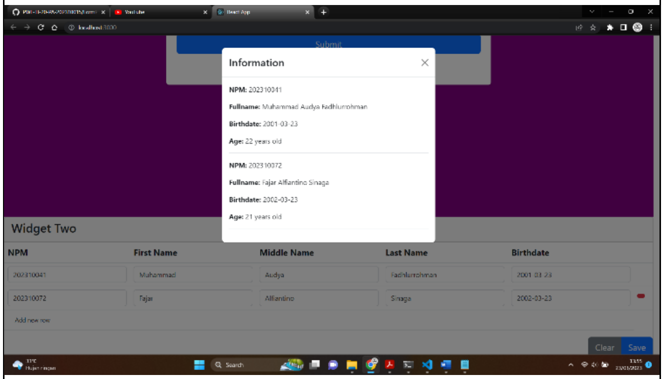
Script	Screen Capture

Widget1 Class Component
import React, { Component } from "react";
import Layout from "./Layout";
 	
class Widget1 extends Component {
constructor(props) {
super(props);
this.state = {
title: "My Apps",
};
}
 	
input = (value) => {
this.setState({ title: value });
};
 	
render() {
return (
<Layout title={this.state.title}>
<form method="post" autoComplete="off" className="form w-100">
<div className="text-center mb-10">
<h1 className="text-dark mb-3">Widget One</h1>
<div className="text-gray-400 fw-bold fs-5">Please fill up this form with correctly</div>
</div>
 	
<div className="fv-row mb-10 fv-plugins-icon-container">
<label className="form-label fs-6 fw-bolder text-dark">Type the title of this web</label>
<input type="text" name="title" className="form-control form-control-lg form-control-solid" defaultValue={this.state.title} onChange={(e) => this.input(e.target.value)} />
</div>
 	
<div className="text-center mt-4">
	
	My Apps
	Widget One
	Please fill up this form with correctly
	Type the title of this web
	My Apps
	Submit
	
	Halo Bapak!
	Widget One
	Please fill up this form with correctly
	Type the title of this web
	Halo Bapak!
	Submit

```
            <button type="button" className="btn btn-lg btn-primary w-100 mb-5">
              Submit
            </button>
          </div>
        </form>
      </Layout>
    );
  }
}

export default Widget1;
```

FormsMultiple.js

```
import React, { useState } from "react";
import { Modal } from "react-bootstrap";
import DatePicker from "react-datepicker";
import "react-datepicker/dist/react-datepicker.css";

export default function FormMultiple() {
  var today = new Date();
  const currDate = formatDate(today);
  const objProfile = {
    npm: 0,
    fname: "",
    mname: "",
    lname: "",
    birthdate: currDate,
  };
  const [postData, setPostData] = useState([objProfile]);
  const [mymodal, setMymodal] = useState({
    show: false,
    message: "",
  });
  const modalHandleClose = () => {
    setMymodal({ ...mymodal, show: false });
  };

  const RowItem = ({ data, index }) => {
    return (
      <tr>
        <td>
```



Information

NPM: 202310041

Fullname: Muhammad Audya Fadhlurrohman

Birthdate: 2001-03-23

Age: 22 years old

NPM: 202310072

Fullname: Fajar Alfiantino Sinaga

Birthdate: 2002-03-23

Age: 21 years old

Widget Two

NPM	First Name	Middle Name	Last Name	Birthdate
202310041	Muhammad	Audya	Fadhlurrohman	2001-03-23
202310072	Fajar	Alfiantino	Sinaga	2002-03-23

```
          <input
            type="text"
            name="npm"
            className="form-control"
            placeholder="type numeric"
            pattern="^[0-9]*$"
            defaultValue={data.npm ?
data.npm : ""}
            onMouseLeave={(e) =>
              setPostData((prev) => {
                const newData = [...prev];
                newData[index].npm =
parseInt(e.target.value);
                return newData;
              })
            }
          />
        </td>
        <td>
          <input
            type="text"
            name="fname"
            className="form-control"
            placeholder="enter firstname"
            defaultValue={data.fname}
            onMouseLeave={(e) =>
              setPostData((prev) => {
                const newData = [...prev];
                newData[index].fname =
e.target.value;
                return newData;
              })
            }
          />
        </td>
        <td>
          <input
            type="text"
            name="mname"
            className="form-control"
            placeholder="enter
middlename"
            defaultValue={data.mname}
            onMouseLeave={(e) =>
              setPostData((prev) => {
                const newData = [...prev];
                newData[index].mname =
e.target.value;
                return newData;
              })
            }
          />
        </td>
        <td>
          <input
            type="text"
            name="lname"
            className="form-control"
            placeholder="enter lastname"
            defaultValue={data.lname}
            onMouseLeave={(e) =>
              setPostData((prev) => {
                const newData = [...prev];
                newData[index].lname =
e.target.value;
                return newData;
              })
            }
          />
        </td>
        <td>
          <DatePicker
            selected={new
Date(data.birthdate)}
            onChange={(value) =>
              setPostData((prev) => {
                const newData = [...prev];
                newData[index].birthdate =
formatDate(value);
                return newData;
              })
            }
            className="form-control"
            dateFormat="yyyy-MM-dd"
            placeholderText="Choose Date"
          />
        </td>
        {index !== 0 ? (
          <td>
            <button
              className="btn btn-icon btn-
sm btn-danger"
              type="button"
              onClick={(e) =>
                setPostData((prev) => {
                  const newData = [...prev];
                  delete newData[index];
                  return newData;
                })
              }>
              <i className="bi bi-trash"></i>
            </button>
          </td>
        ) : (
          ""
        )}
      </tr>
    );
  };

  const resultPost = (obj) => {
    return (
      <div className="result">
        {obj.map((v, index) =>
          v ? (
            <div className="border-bottom mb-3" key={index}>
              <p>
                <span className="fw-bolder">NPM:</span> {v.npm}
              </p>
              <p>
                <span className="fw-bolder">Fullname:</span> {v.fname} {v.mname} {v.lname}{" "}
              </p>
              <p>
                <span className="fw-bolder">Birthdate:</span> {v.birthdate}{" "}
              </p>
              <p>
                <span className="fw-bolder">Age:</span> {calculateAge(v.birthdate)} years old{" "}
              </p>
            </div>
          ) : (
            ""
          )
        )}
      </div>
    );
  };

  const handlerSubmit = (e) => {
    e.preventDefault();
    let myresult = resultPost(postData);
    setMymodal({ ...mymodal, show:
true, message: myresult });
  };

  return (
    <div id="form-multiple"
className="card mb-5 mb-xl-10">
      <div className="card-header">
        <div className="card-title">
          <h3>Widget Two</h3>
        </div>
      </div>
      <div className="card-body p-0">
        <form method="post"
autoComplete="off" onSubmit={(e) =>
handlerSubmit(e)}>
          <table className="table table-
flush align-middle table-row-bordered
table-row-solid gy-4 gs-9">
            <thead className="border-
gray-200 fs-5 fw-bold bg-lighten">
              <tr>
                <th>NPM</th>
                <th>First Name</th>
                <th>Middle Name</th>
                <th>Last Name</th>
                <th>Birthdate</th>
                <th></th>
              </tr>
            </thead>
            <tbody>{postData.map((v,
index) => (v ? <RowItem key={index}
data={v} index={index} /> :
""))}</tbody>
            <tfoot>
              <tr>
                <td colSpan={5}>
                  <button
                    className="btn btn-sm
btn-light-primary"
                    type="button"
                    onClick={() =>
                      setPostData((prev) => {
                        return [...prev,
objProfile];
                      })
                    }>
                    <i className="bi bi-plus-
circle me-2"></i>
                    Add new row
                  </button>
                </td>
              </tr>
            </tfoot>
          </table>

          <div className="text-end p-10">
            <div className="btn-group">
              <button className="btn btn-lg btn-secondary" type="button">
                Clear
              </button>
              <button className="btn btn-lg btn-primary" type="submit">
                Save
              </button>
            </div>
          </div>
        </form>
      </div>
      <ModalPopUP show={mymodal.show} handleClose={modalHandleClose} message={mymodal.message} />
    </div>
   );
}

const formatDate = (datestring) => {
   const today = new Date(datestring);
   const yyyy = today.getFullYear();
   let mm = today.getMonth() + 1; // Months start at 0!
   let dd = today.getDate();

   if (dd < 10) dd = "0" + dd;
   if (mm < 10) mm = "0" + mm;

   return yyyy + "-" + mm + "-" + dd;
};

const calculateAge = (birthdate) => {
   var today = new Date();
   var birthDate = new Date(birthdate);
   var age = today.getFullYear() - birthDate.getFullYear();
   var m = today.getMonth() - birthDate.getMonth();
```

```
  if (m < 0 || (m === 0 &&
today.getDate() < birthDate.getDate()))
{
    age--;
  }
  return age;
};

const ModalPopUP = ({ show,
handleClose, message }) => {
  return (
    <Modal show={show}
onHide={handleClose}>
      <Modal.Header closeButton>

<Modal.Title>Information</Modal.Titl
e>
      </Modal.Header>

<Modal.Body>{message}</Modal.Bod
y>
    </Modal>
  );
};


===========================
Layout.js
import React from "react";

export default function Layout(props) {
  return (
    <div className="d-flex flex-column
flex-root vh-100" style={{
backgroundColor: "purple" }}>
      <div className="d-flex flex-
column flex-column-fluid">
        <div className="d-flex flex-
center flex-column flex-column-fluid p-
10 pb-lg-20">
          <h1 className="mb-12 text-
white text-center my-
4">{props.title}</h1>
          <div className="w-50 bg-body
rounded shadow-sm p-4 p-lg-15 mx-
auto">{props.children}</div>
        </div>
      </div>
    </div>
  );
```

}	