# Pemrograman Web Lanjut Tugas 1

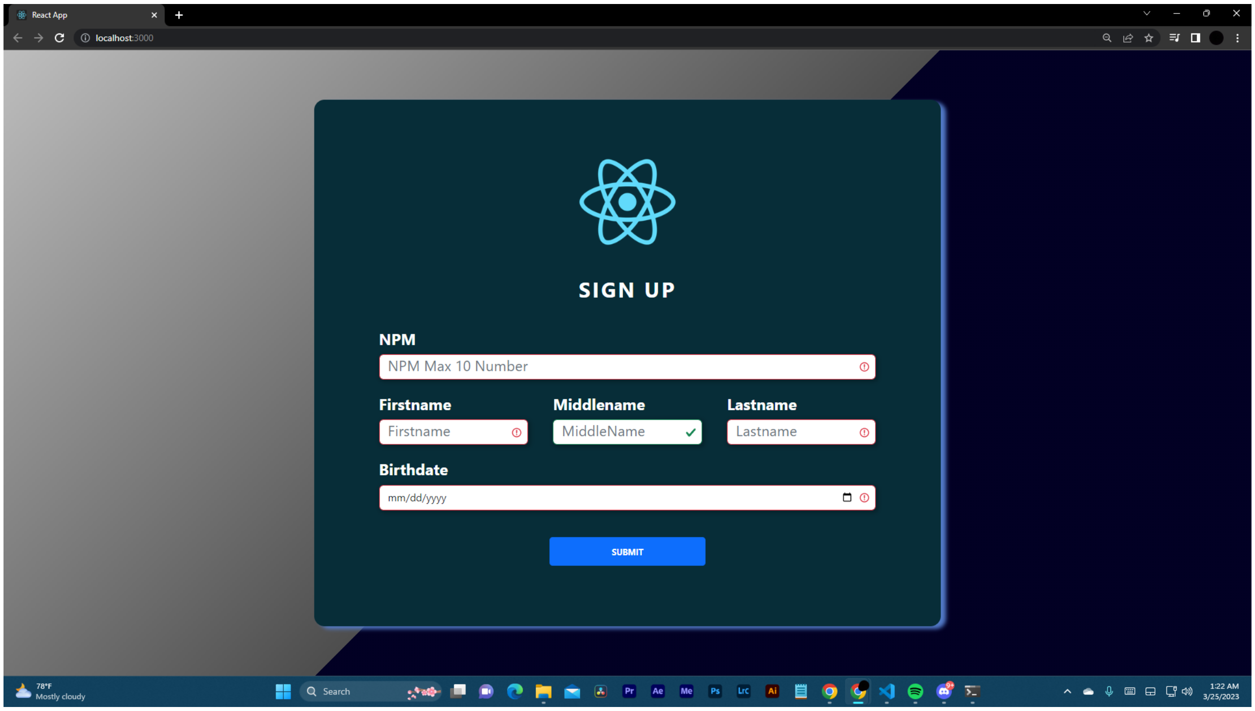
*PWL-TI-20-PA-202310055*

*React-Bootstrap*

Nama : Ryan Roshandy Sachio
NPM : 202310055
Kelas : 20-TI-PA2

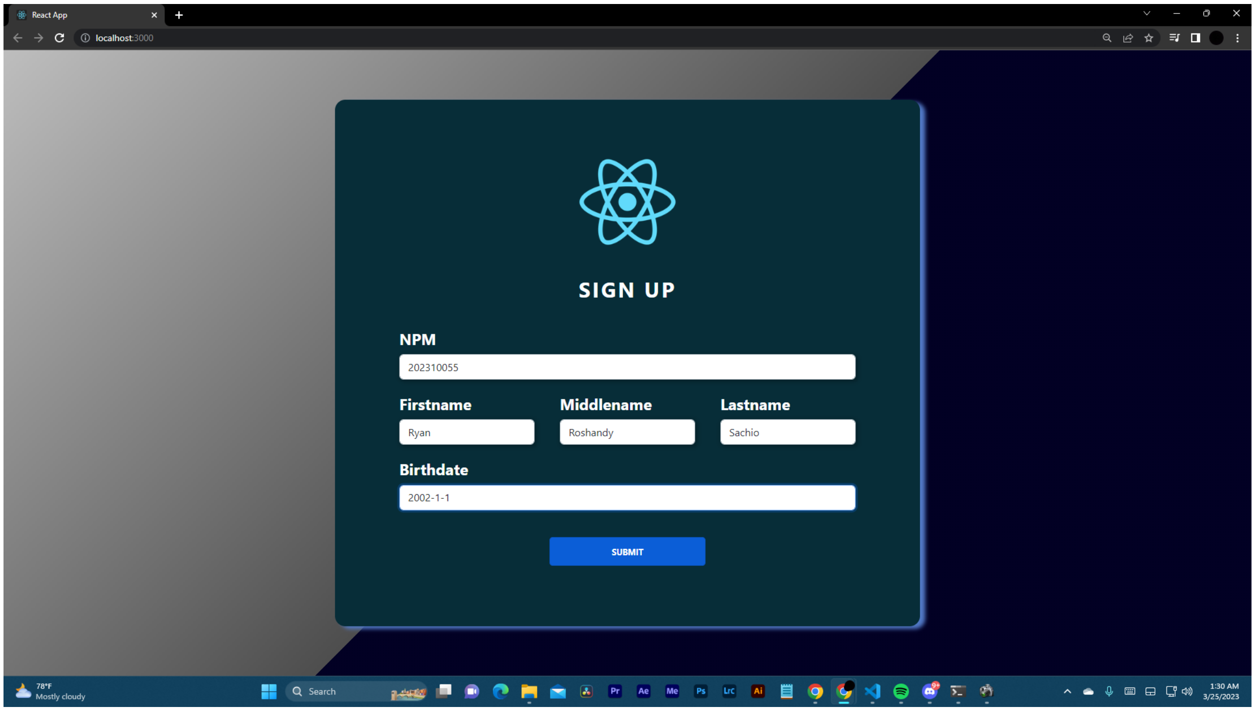
---

## Tampilan Web Validation



Ketika *value* “NPM”, “*Firstname”*, “*Lastname”* dan “*Birthdate”* kosong maka form akan memvalidasi bahwa *value* bernilai *false* dan memberikan peringatan di sebelah kanan *input box* dan tidak akan menghasilkan *output pop-up modal.*

Tampilan hasil web



SIGN UP

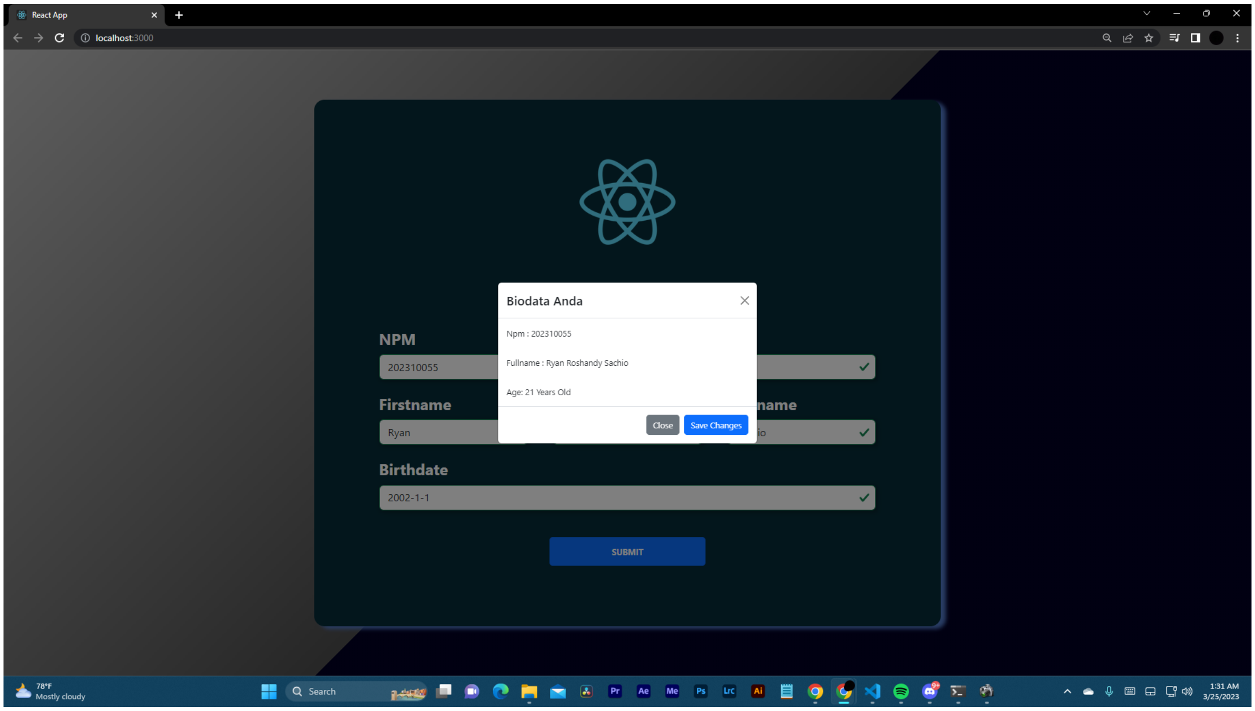
NPM: 202310055

Firstname: Ryan

Middlename: Roshandy

Lastname: Sachio

Birthdate: 2002-1-1



Biodata Anda

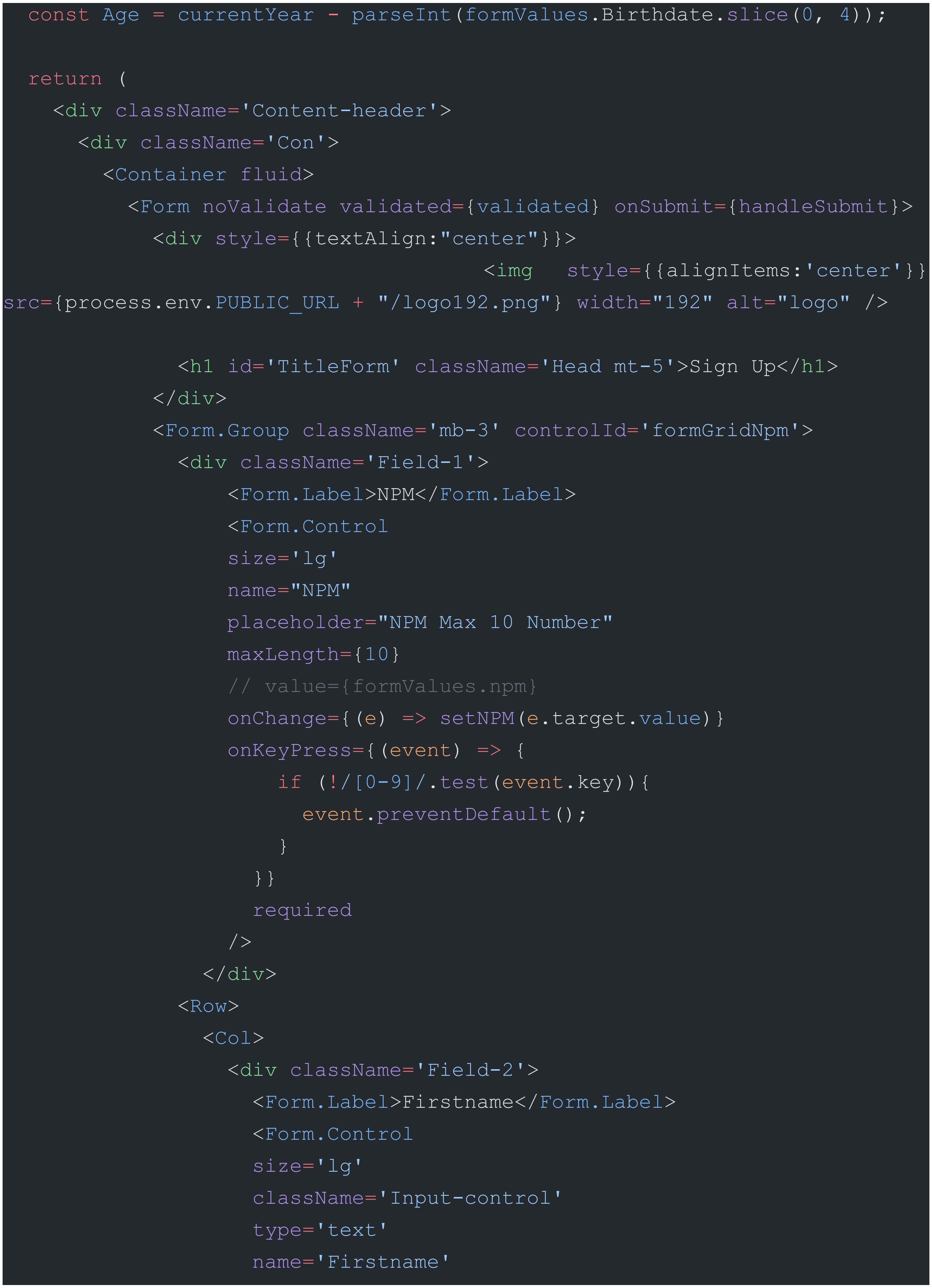
Npm : 202310055

Fullname : Ryan Roshandy Sachio

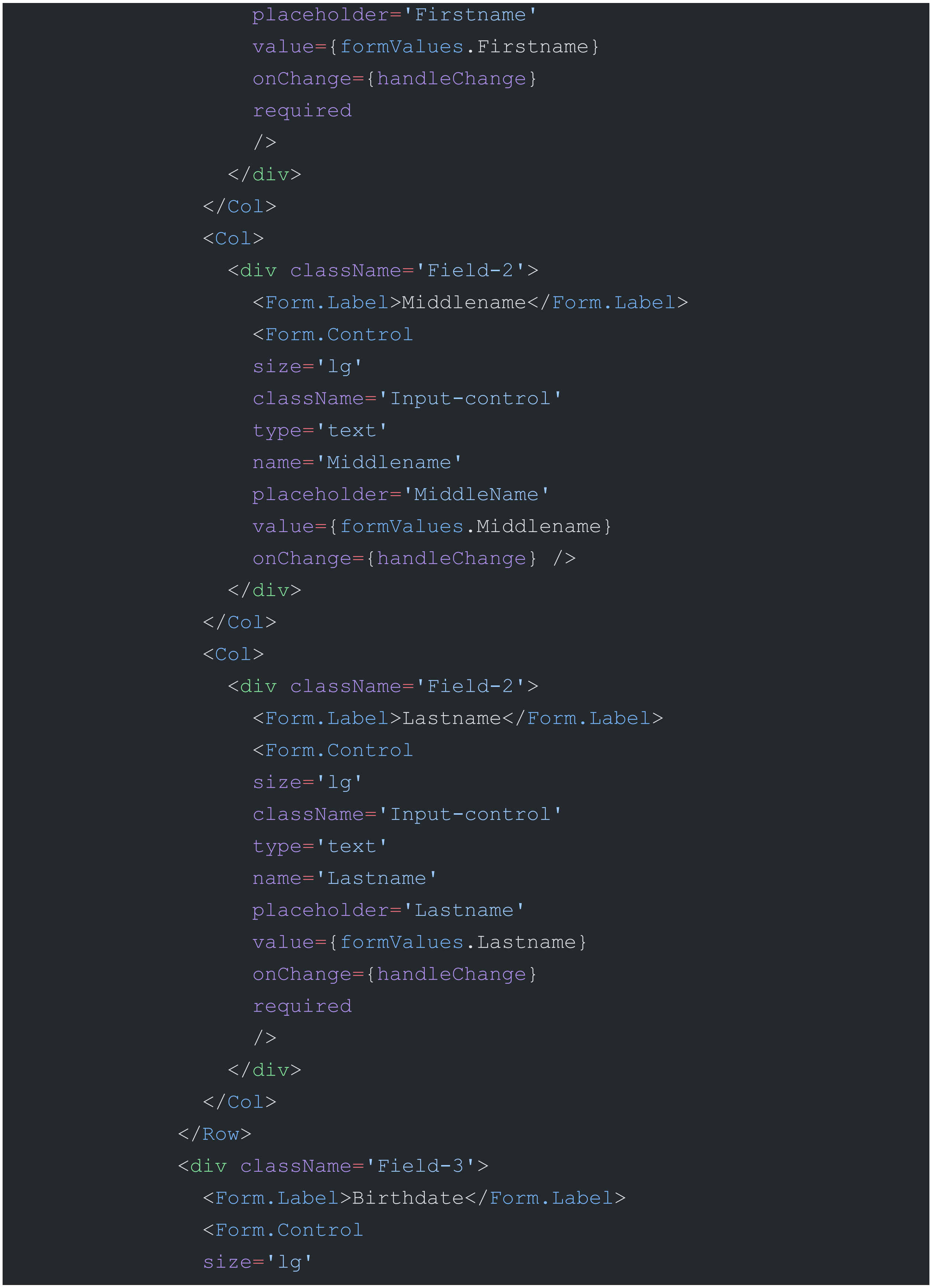
Age: 21 Years Old

Code

```
import { useState } from 'react';
// import 'bootstrap/dist/css/bootstrap.min.css';
import { Form, Container, Button, Col, Row, Modal } from 'react-bootstrap';
import '../App.css';

function ValidateFo () {
  const date = new Date();
  const currentYear = date.getFullYear();

   const initialValues = { Firstname: "", Middlename: "", Lastname: "", email: "", password: "", Birthdate: "" };
  const [ NPM, setNPM ] = useState(0);
  const [ formValues, setFormValues ] = useState(initialValues);
  // const [ formErrors, setFormErrors ] = useState("");
  // const [ isSubmit, setIsSubmit ] = useState(false);
  const [ show, setShow ] = useState(false);
  const [ validated, setValidated ] = useState(false);

  const handleChange = (e) => {
    const { name, value } = e.target;
    setFormValues({ ...formValues, [name]: value });
  };

  const handleSubmit = (e) => {
    const form = e.currentTarget;
    if (form.checkValidity() === false) {
        e.preventDefault();
        e.stopPropagation();
    } else {
        e.preventDefault();
          setShow(true);
    }
    setValidated(true);
};

  const handleClose = () => setShow(false);
  // const handleShow = () => setShow(true);
```



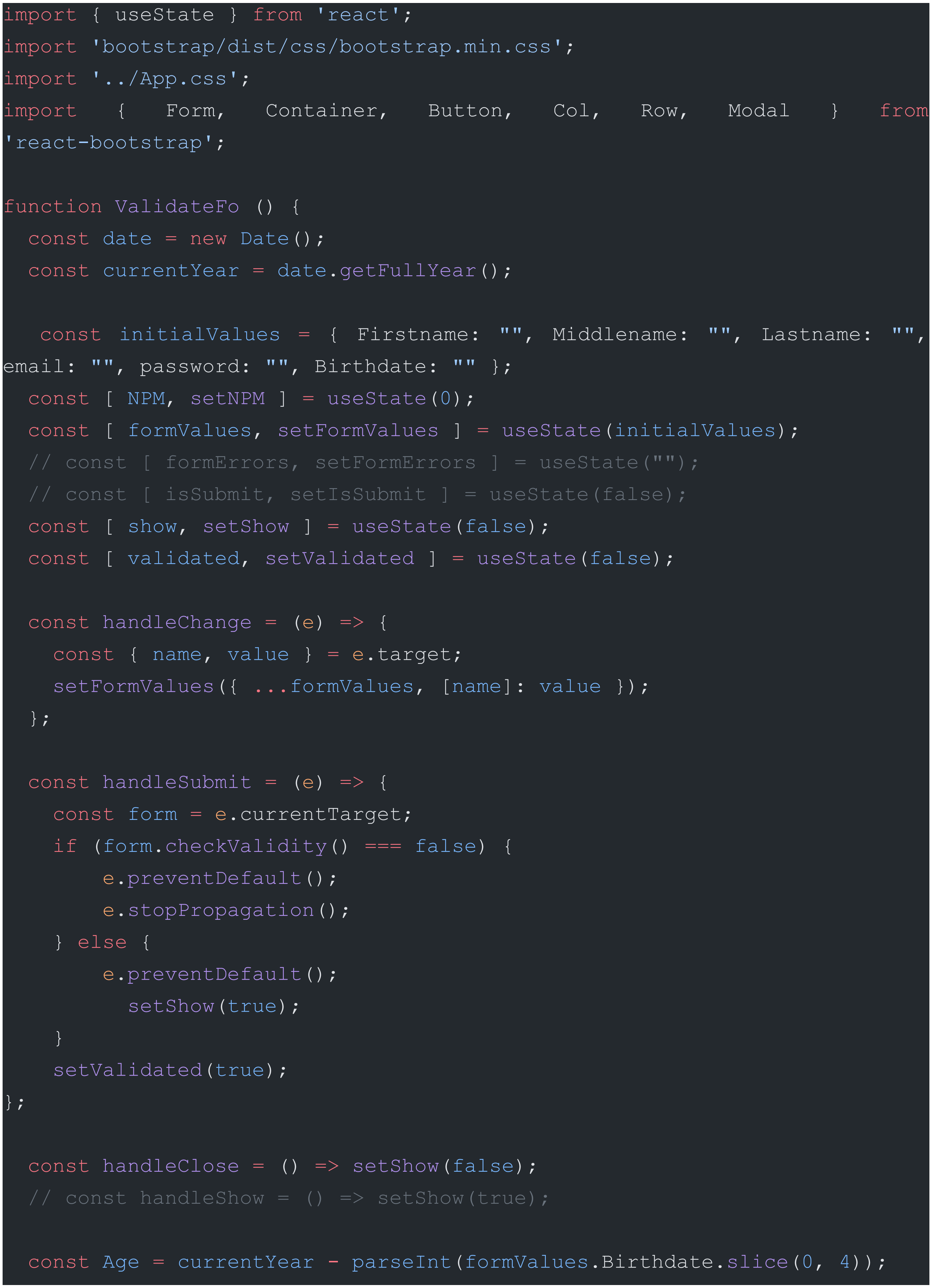
```
  const Age = currentYear - parseInt(formValues.Birthdate.slice(0, 4));

  return (
    <div className='Content-header'>
      <div className='Con'>
        <Container fluid>
          <Form noValidate validated={validated} onSubmit={handleSubmit}>
            <div style={{textAlign:"center"}}>
                                      <img   style={{alignItems:'center'}}
src={process.env.PUBLIC_URL + "/logo192.png"} width="192" alt="logo" />

              <h1 id='TitleForm' className='Head mt-5'>Sign Up</h1>
            </div>
            <Form.Group className='mb-3' controlId='formGridNpm'>
              <div className='Field-1'>
                  <Form.Label>NPM</Form.Label>
                  <Form.Control
                  size='lg'
                  name="NPM"
                  placeholder="NPM Max 10 Number"
                  maxLength={10}
                  // value={formValues.npm}
                  onChange={(e) => setNPM(e.target.value)}
                  onKeyPress={(event) => {
                      if (!/[0-9]/.test(event.key)){
                        event.preventDefault();
                      }
                    }}
                    required
                  />
                </div>
              <Row>
                <Col>
                  <div className='Field-2'>
                    <Form.Label>Firstname</Form.Label>
                    <Form.Control
                    size='lg'
                    className='Input-control'
                    type='text'
                    name='Firstname'
```



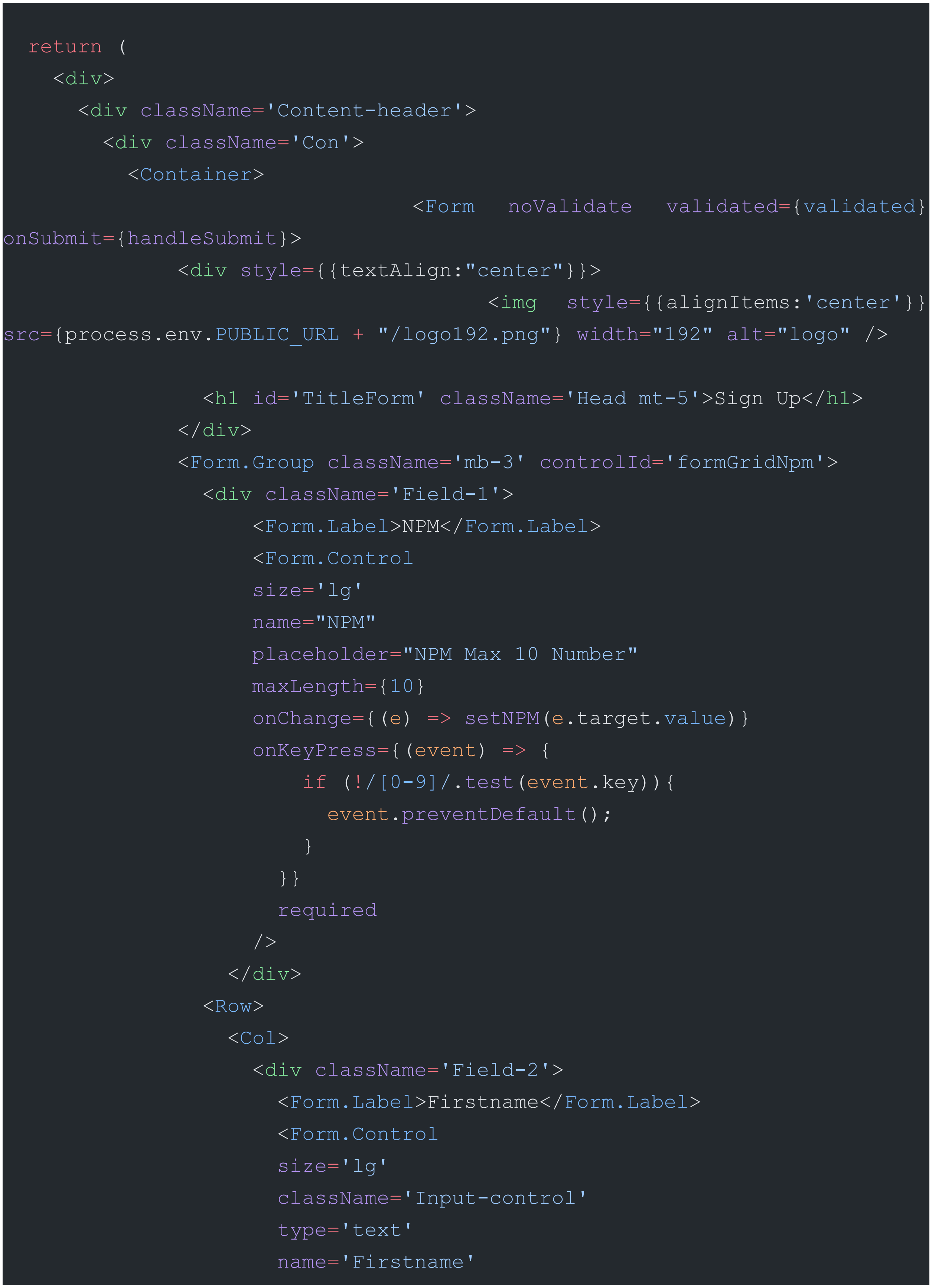
```
                  placeholder='Firstname'
                  value={formValues.Firstname}
                  onChange={handleChange}
                  required
                  />
                </div>
              </Col>
              <Col>
                <div className='Field-2'>
                  <Form.Label>Middlename</Form.Label>
                  <Form.Control
                  size='lg'
                  className='Input-control'
                  type='text'
                  name='Middlename'
                  placeholder='MiddleName'
                  value={formValues.Middlename}
                  onChange={handleChange} />
                </div>
              </Col>
              <Col>
                <div className='Field-2'>
                  <Form.Label>Lastname</Form.Label>
                  <Form.Control
                  size='lg'
                  className='Input-control'
                  type='text'
                  name='Lastname'
                  placeholder='Lastname'
                  value={formValues.Lastname}
                  onChange={handleChange}
                  required
                  />
                </div>
              </Col>
            </Row>
            <div className='Field-3'>
              <Form.Label>Birthdate</Form.Label>
              <Form.Control
              size='lg'
```

```
                className='Input-control datepicker'
                placeholder='YYYY-MM-DD'
                name='Birthdate'
                value={formValues.Birthdate}
                onChange={handleChange}
                required
                />
              </div>
              <div className='Submit'>
                                            <Button   className='Submitbut'
type='submit'><strong>SUBMIT</strong></Button>
              </div>
            </Form.Group>
          </Form>
        </Container>
      </div>
        <Modal show={show} onHide={handleClose} centered>
          <Modal.Header closeButton>
            <Modal.Title>Biodata Anda</Modal.Title>
          </Modal.Header>
            <Modal.Body>Npm : {NPM} </Modal.Body>
                           <Modal.Body>Fullname  :  {formValues.Firstname}
{formValues.Middlename} {formValues.Lastname} </Modal.Body>
            <Modal.Body>Age: {Age} Years Old</Modal.Body>
          <Modal.Footer>
            <Button variant="secondary" onClick={handleClose}>
              Close
            </Button>
            <Button variant="primary" onClick={handleClose}>
              Save Changes
            </Button>
          </Modal.Footer>
        </Modal>
      </div>
    );
}

export default ValidateFo;
```

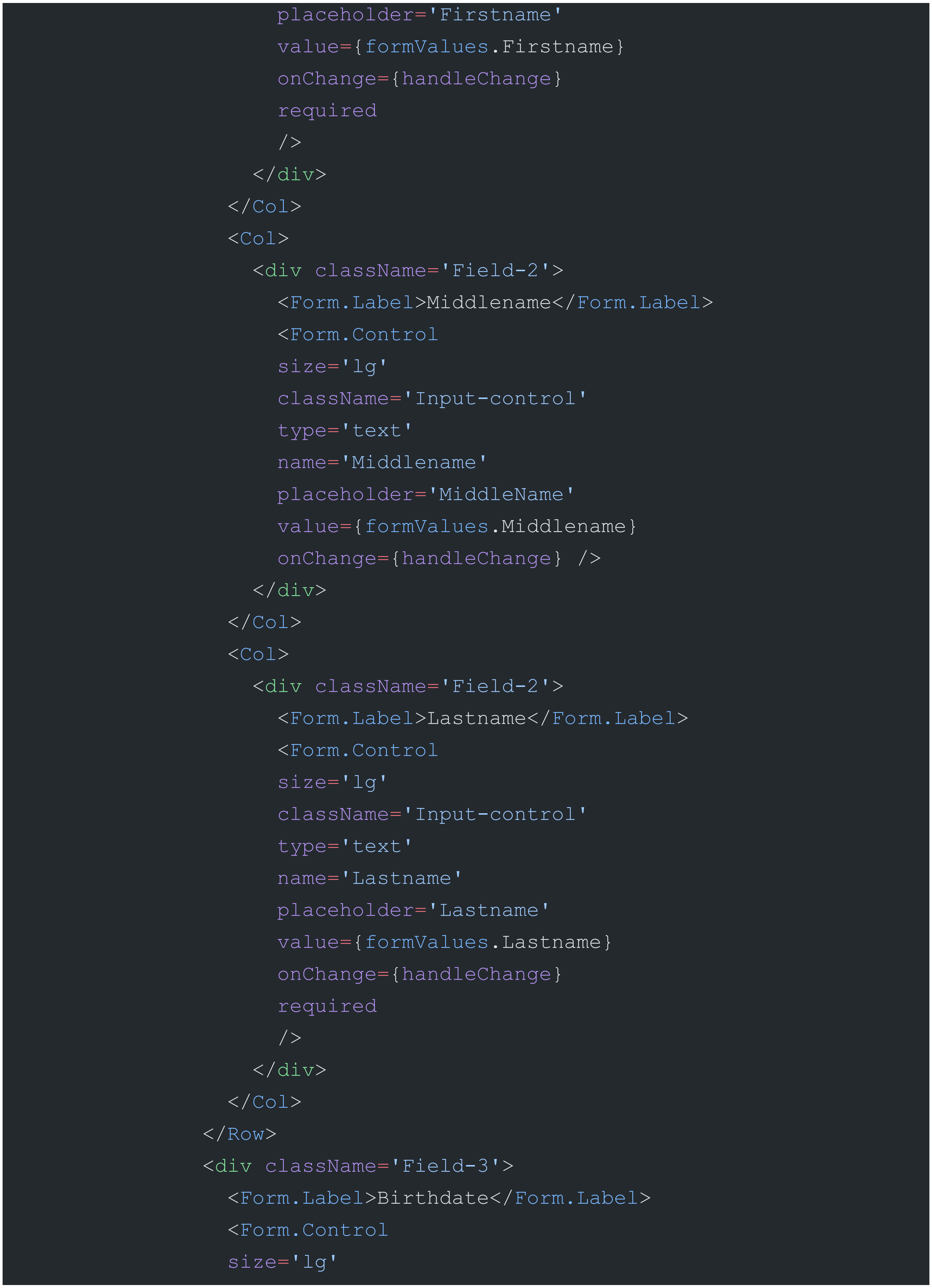
```
========================================================================
========================================================================
========================================================================
========================================================================
========================================================================
========================================================================
========================================================================
```



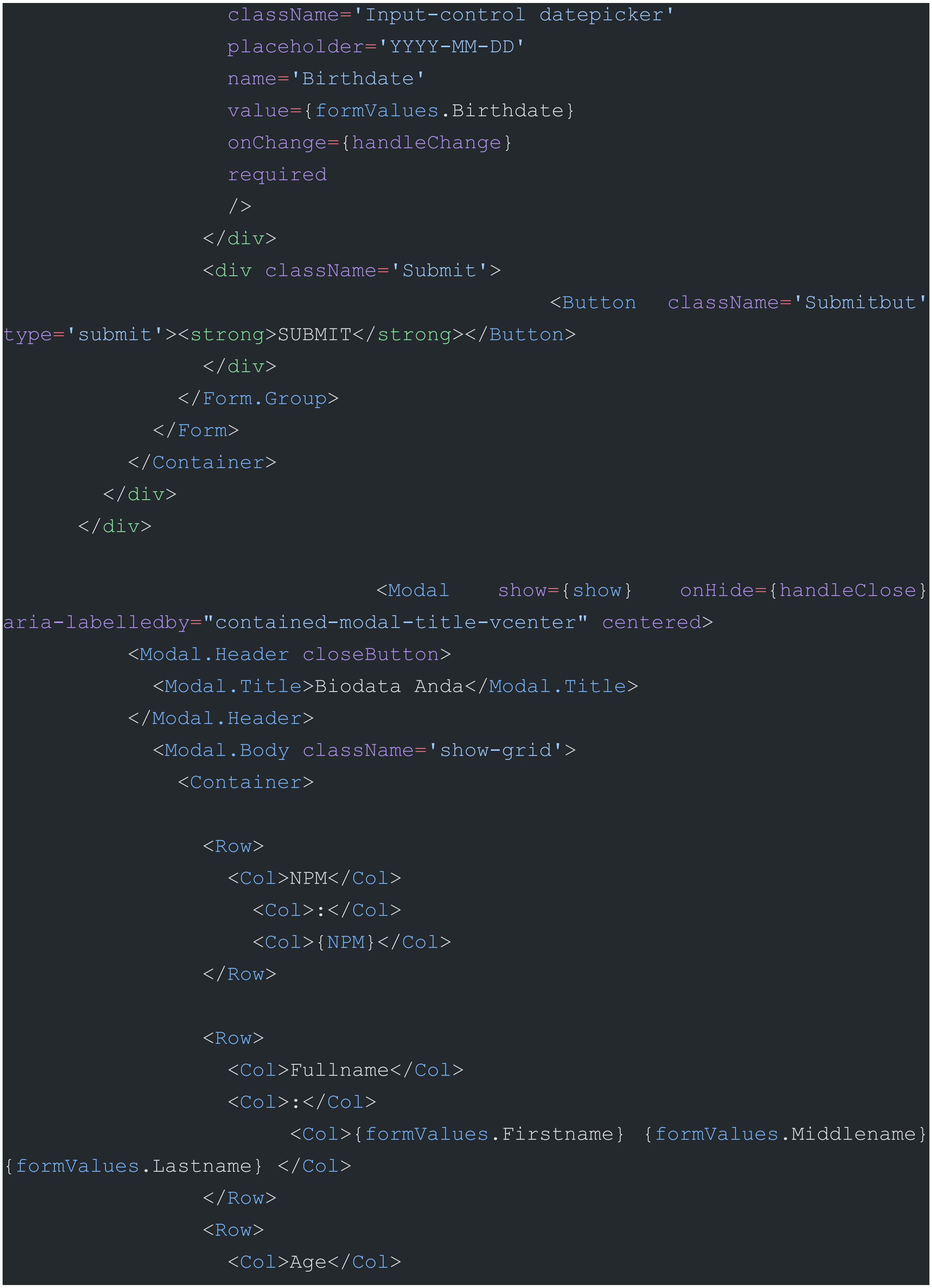
```
import { useState } from 'react';
import 'bootstrap/dist/css/bootstrap.min.css';
import '../App.css';
import { Form, Container, Button, Col, Row, Modal } from
'react-bootstrap';

function ValidateFo () {
  const date = new Date();
  const currentYear = date.getFullYear();

   const initialValues = { Firstname: "", Middlename: "", Lastname: "",
email: "", password: "", Birthdate: "" };
  const [ NPM, setNPM ] = useState(0);
  const [ formValues, setFormValues ] = useState(initialValues);
  // const [ formErrors, setFormErrors ] = useState("");
  // const [ isSubmit, setIsSubmit ] = useState(false);
  const [ show, setShow ] = useState(false);
  const [ validated, setValidated ] = useState(false);

  const handleChange = (e) => {
    const { name, value } = e.target;
    setFormValues({ ...formValues, [name]: value });
  };

  const handleSubmit = (e) => {
    const form = e.currentTarget;
    if (form.checkValidity() === false) {
        e.preventDefault();
        e.stopPropagation();
    } else {
        e.preventDefault();
          setShow(true);
    }
    setValidated(true);
};

  const handleClose = () => setShow(false);
  // const handleShow = () => setShow(true);

  const Age = currentYear - parseInt(formValues.Birthdate.slice(0, 4));
```



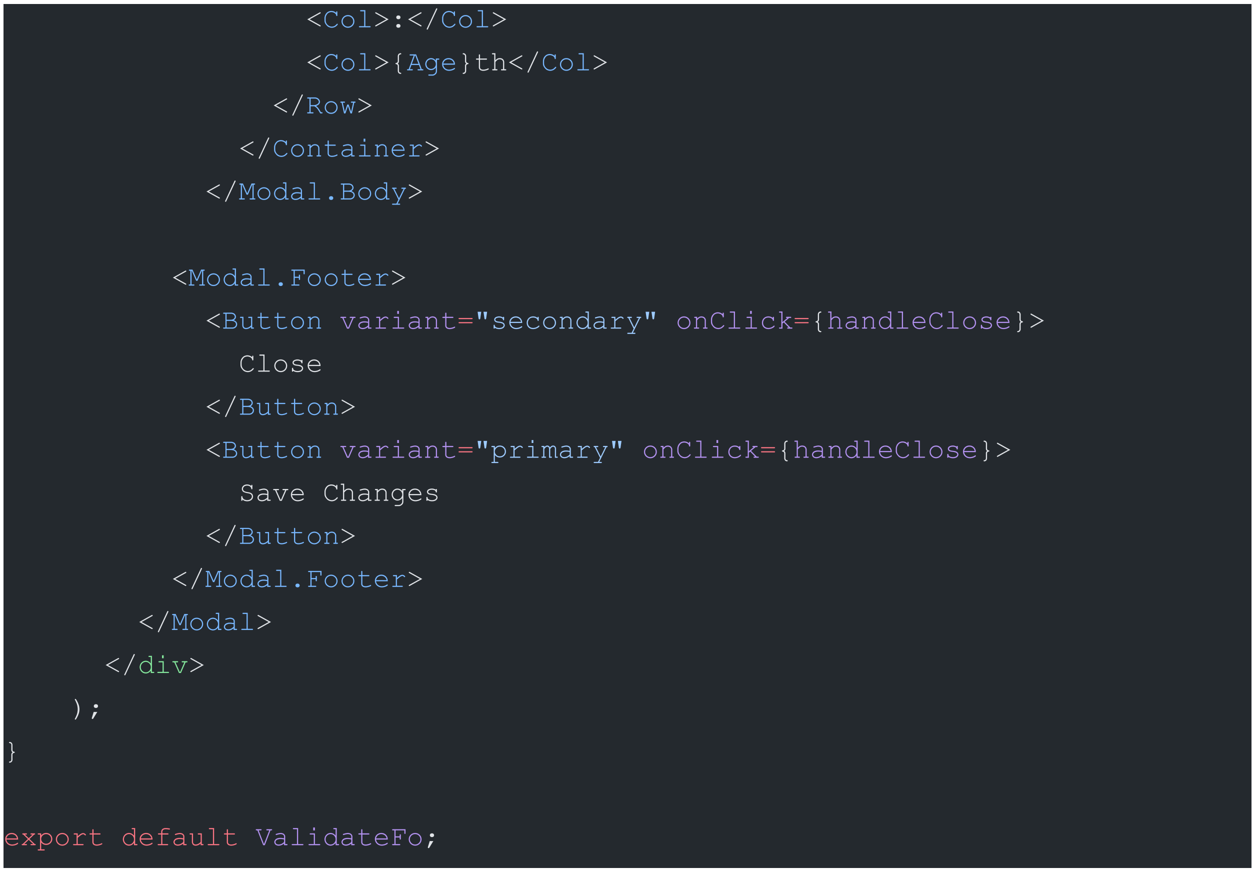
```
  return (
    <div>
      <div className='Content-header'>
        <div className='Con'>
          <Container>
                                 <Form   noValidate   validated={validated}
onSubmit={handleSubmit}>
              <div style={{textAlign:"center"}}>
                                       <img   style={{alignItems:'center'}}
src={process.env.PUBLIC_URL + "/logo192.png"} width="192" alt="logo" />

                <h1 id='TitleForm' className='Head mt-5'>Sign Up</h1>
              </div>
              <Form.Group className='mb-3' controlId='formGridNpm'>
                <div className='Field-1'>
                    <Form.Label>NPM</Form.Label>
                    <Form.Control
                    size='lg'
                    name="NPM"
                    placeholder="NPM Max 10 Number"
                    maxLength={10}
                    onChange={(e) => setNPM(e.target.value)}
                    onKeyPress={(event) => {
                        if (!/[0-9]/.test(event.key)){
                          event.preventDefault();
                        }
                      }}
                      required
                    />
                  </div>
                <Row>
                  <Col>
                    <div className='Field-2'>
                      <Form.Label>Firstname</Form.Label>
                      <Form.Control
                      size='lg'
                      className='Input-control'
                      type='text'
                      name='Firstname'
```



```
                      placeholder='Firstname'
                      value={formValues.Firstname}
                      onChange={handleChange}
                      required
                      />
                    </div>
                  </Col>
                  <Col>
                    <div className='Field-2'>
                      <Form.Label>Middlename</Form.Label>
                      <Form.Control
                      size='lg'
                      className='Input-control'
                      type='text'
                      name='Middlename'
                      placeholder='MiddleName'
                      value={formValues.Middlename}
                      onChange={handleChange} />
                    </div>
                  </Col>
                  <Col>
                    <div className='Field-2'>
                      <Form.Label>Lastname</Form.Label>
                      <Form.Control
                      size='lg'
                      className='Input-control'
                      type='text'
                      name='Lastname'
                      placeholder='Lastname'
                      value={formValues.Lastname}
                      onChange={handleChange}
                      required
                      />
                    </div>
                  </Col>
                </Row>
                <div className='Field-3'>
                  <Form.Label>Birthdate</Form.Label>
                  <Form.Control
                  size='lg'
```



```
                  className='Input-control datepicker'
                  placeholder='YYYY-MM-DD'
                  name='Birthdate'
                  value={formValues.Birthdate}
                  onChange={handleChange}
                  required
                  />
                </div>
                <div className='Submit'>
                                            <Button className='Submitbut'
type='submit'><strong>SUBMIT</strong></Button>
                </div>
              </Form.Group>
            </Form>
          </Container>
        </div>
      </div>

                          <Modal show={show} onHide={handleClose}
aria-labelledby="contained-modal-title-vcenter" centered>
          <Modal.Header closeButton>
            <Modal.Title>Biodata Anda</Modal.Title>
          </Modal.Header>
            <Modal.Body className='show-grid'>
              <Container>

                <Row>
                  <Col>NPM</Col>
                    <Col>:</Col>
                    <Col>{NPM}</Col>
                </Row>

                <Row>
                  <Col>Fullname</Col>
                  <Col>:</Col>
                       <Col>{formValues.Firstname} {formValues.Middlename}
{formValues.Lastname} </Col>
                </Row>
                <Row>
                  <Col>Age</Col>
```



```
                  <Col>:</Col>
                  <Col>{Age}th</Col>
                </Row>
              </Container>
            </Modal.Body>

          <Modal.Footer>
            <Button variant="secondary" onClick={handleClose}>
              Close
            </Button>
            <Button variant="primary" onClick={handleClose}>
              Save Changes
            </Button>
          </Modal.Footer>
        </Modal>
      </div>
    );
}

export default ValidateFo;
```