

구현결과

Exam 09

컴퓨터공학과 ▼

교수 목록

교수번호	이름	아이디	직급	급여	입사일	보직수당	소속학과번호
9901	김도훈	capool	교수	500	1982-06-11	20	101
9903	성연희	pascal	조교수	360	1993-03-16	15	101
9906	이만식	pocari	부교수	420	1988-07-10		101
9907	전은지	totoro	전임강사	210	2001-05-10		101

학생 목록

학번	이름	아이디	학년	주민번호	생년월일	연락처	키	몸무게	소속학과번호	담당교수번호
10101	전인하	jun123	4	790702-*****	1979-07-01	051)781-2158	176	72	101	9903
10102	박미경	ansel414	1	840516-*****	1984-05-15	055)261-8947	168	52	101	
10103	김영균	mandu	3	810321-*****	1981-03-20	051)824-9637	170	88	101	9906
10104	지은경	gomo00	2	800412-*****	1980-04-11	055)418-9627	161	42	101	9907
10105	임유진	youjin12	2	830121-*****	1983-01-20	02)312-9838	171	54	101	9907
10106	서재진	seolly	1	851129-*****	1985-11-28	051)239-4861	186	72	101	
10107	이광훈	huriky	4	810913-*****	1981-09-12	055)736-4981	175	92	101	9903
10108	류민정	cleansky	2	810819-*****	1981-08-18	055)248-3679	162	72	101	9907

App.js

```
import React, { useState, useEffect, useCallback, } from "react";
import axios from "axios";

import Student from "./components/Student";
import Professor from "./components/Professor";

const App = () => {
  const [dept, setDept] = useState([]);
  const [deptno, setDeptno] = useState("");

  useEffect(() => {
    (async () => {
      try {
        const response = await axios.get("http://localhost:3001/department");
        setDept(response.data);
        console.log(dept);
      } catch (e) {
        console.error(e);
      }
    })();
  });
}
```

```

    }
  })();
}, []);

const onDeptSelect = useCallback((e) => {
  setDeptno(e.currentTarget.value);
  console.log(deptno);
}, []);

return (
  <div>
    <h1>Exam 09</h1>

    <hr />

    <select name="dept" onChange={onDeptSelect}>
      {dept.map((v, i) => (
        <option key={i} value={v.id} >
          {v.dname}
        </option>
      ))}
    </select>

    <Professor deptno={deptno} />
    <Student deptno={deptno} />
  </div>
);
};

export default React.memo(App);

```

Student.js

```

import React, { useEffect, useState } from "react";
import axios from "axios";
import Spinner from "./Spinner";

const Student = ({ deptno }) => {
  const [student, setStudent] = useState([]);
  const [loading, setLoading] = useState(false);

  useEffect(() => {
    setTimeout(() => {
      (async () => {
        setLoading(true);

        try {
          const response = await axios.get(
            `http://localhost:3001/student?deptno=${deptno}`
          );
          setStudent(response.data);
        }
      })();
    }, 1000);
  }, [deptno]);

```

```

    } catch (e) {
      console.log(e);
    } finally {
      setLoading(false);
    }
  })();
}, 500);
}, [deptno]));

return (
  <div>
    <Spinner visible={loading} />
    <h2>학생 목록</h2>
    <table border="1">
      <thead>
        <tr>
          <th>학번</th>
          <th>이름</th>
          <th>아이디</th>
          <th>학년</th>
          <th>주민번호</th>
          <th>생년월일</th>
          <th>연락처</th>
          <th>키</th>
          <th>몸무게</th>
          <th>소속학과번호</th>
          <th>담당교수번호</th>
        </tr>
      </thead>
      <tbody>
        {student.map((v, i) => (
          <tr key={i} align="center">
            <td>{v.id}</td>
            <td>{v.name}</td>
            <td>{v.userid}</td>
            <td>{v.grade}</td>
            <td>{v.idnum.substring(0, 6)}-*****</td>
            <td>{v.birthdate.substring(0, 10)}</td>
            <td>{v.tel}</td>
            <td>{v.height}</td>
            <td>{v.weight}</td>
            <td>{v.deptno}</td>
            <td>{v.profno}</td>
          </tr>
        ))}
      </tbody>
    </table>
  </div>
);
};

export default React.memo(Student);

```

Professor.js

```
import React, { useEffect, useState } from "react";
import axios from "axios";
import Spinner from "../Spinner";

const Professor = ({ deptno }) => {
  const [professor, setProfessor] = useState([]);
  const [loading, setLoading] = useState(false);

  useEffect(() => {
    setTimeout(() => {
      (async () => {
        setLoading(true);

        try {
          const response = await axios.get(
            `http://localhost:3001/professor?deptno=${deptno}`
          );
          setProfessor(response.data);
        } catch (e) {
          console.log(e);
        } finally {
          setLoading(false);
        }
      })();
    }, 500);
  }, [deptno]);

  return (
    <div>
      <Spinner visible={loading} />
      <h2>교수 목록</h2>
      <table border="1">
        <thead>
          <tr>
            <th>교수번호</th>
            <th>이름</th>
            <th>아이디</th>
            <th>직급</th>
            <th>급여</th>
            <th>입사일</th>
            <th>보직수당</th>
            <th>소속학과번호</th>
          </tr>
        </thead>
        <tbody>
          {professor.map((v, i) => (
            <tr key={i} align="center">
              <td>{v.id}</td>
              <td>{v.name}</td>
              <td>{v.userid}</td>
```

```

        <td>{v.position}</td>
        <td>{v.sal}</td>
        <td>{v.hiredate.substring(0, 10)}</td>
        <td>{v.comm}</td>
        <td>{v.deptno}</td>
      </tr>
    )})
  </tbody>
</table>
</div>
);
};

export default React.memo(Professor);

```

Spinner.js

```

// 08__simple_ajax것 그대로 가져옴
import React from 'react';
import PropTypes from 'prop-types';
import styled from 'styled-components';

/** 로딩바 컴포넌트 */
// --> https://mhnepd.github.io/react-loader-spinner/
import { Bars } from 'react-loader-spinner';

/** 로딩바 뒤에 표시될 반투명 막 */

const TransLayer = styled.div`
  position: fixed;
  left: 0;
  top: 0;
  z-index: 9999;
  background-color: #0003;
  width: 100%;
  height: 100%;
`;

const Spinner = ({ visible, color, width, height }) => {
  return (
    <>
      {visible && (
        <TransLayer>
          <Bars
            color={color}
            height={height}
            width={width}
            wrapperStyle={{
              position: 'absolute',
              zIndex: 10000,
              left: '50%',

```

```
        top: '50%',
        marginLeft: (-width/2) + 'px',
        marginTop: (height/2) + 'px'
      }}
    />
  </TransLayer>
)}
</>
);
};

/** 기본값 정의 */
Spinner.defaultProps = {
  visible: false,
  color: '#06f',
  width: 100,
  height: 100
};

/** 데이터 타입 설정 */
Spinner.propTypes = {
  visible: PropTypes.bool.isRequired,
  color: PropTypes.string,
  width: PropTypes.string,
  height: PropTypes.string,
};

export default React.memo(Spinner);
```