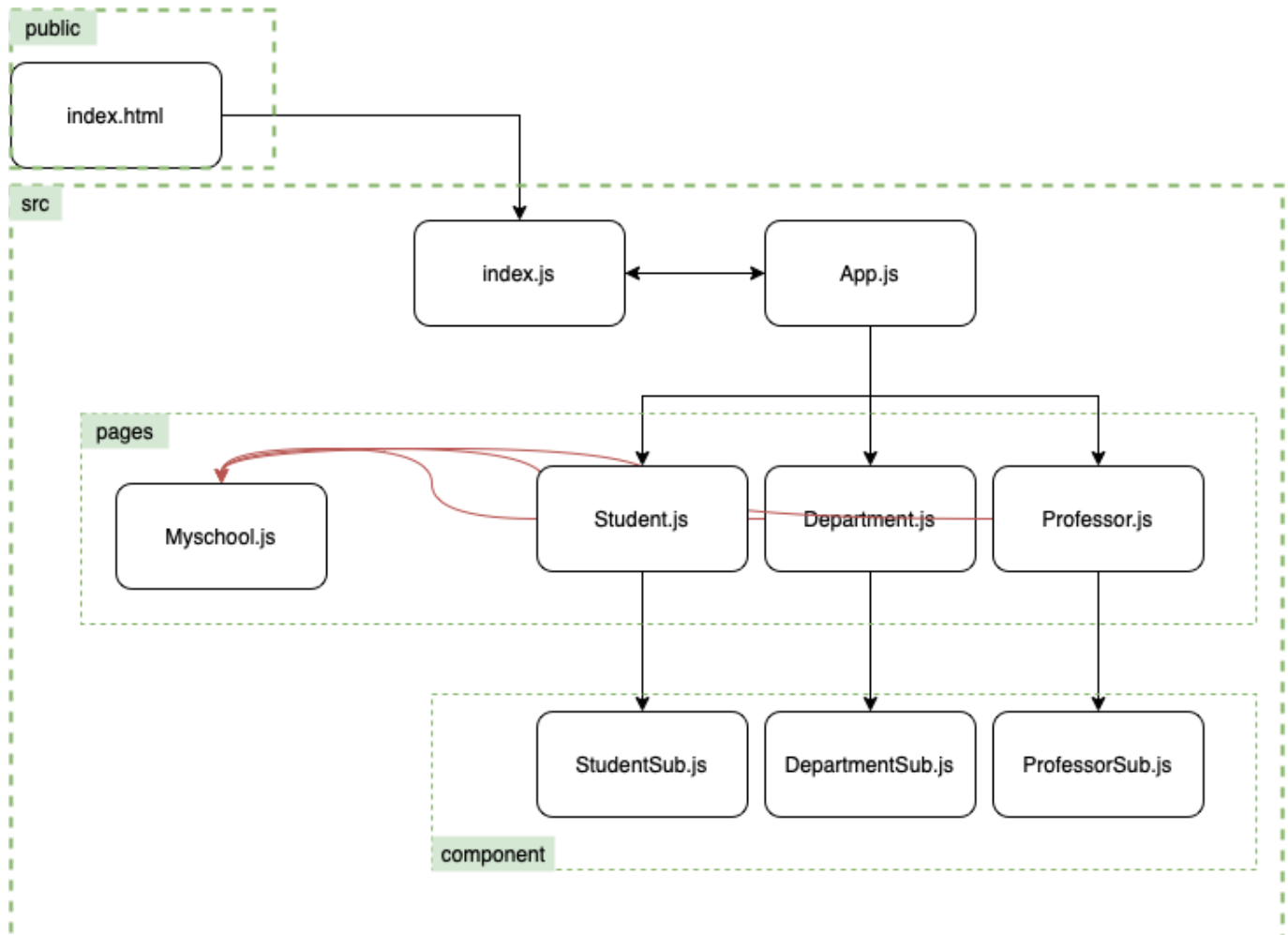


연습문제 3번 컴포넌트화 정선미

20220426

리액트구조분석



index.js

```

import React from 'react';
import ReactDOM from 'react-dom/client';
import App from './App';

import {BrowserRouter} from 'react-router-dom';

const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <React.StrictMode>
    <BrowserRouter>
      <App />
    </BrowserRouter>
  </React.StrictMode>
);
  
```

App.js

```
import React from 'react';
import { Link, Routes, Route } from "react-router-dom";

import Department from "./pages/Department";
import Professor from "./pages/Professor";
import Student from "./pages/Student";

function App() {
  return (
    <div >
      <h1>Exam03</h1>
      <nav>
        <Link to="/department">학과목록</Link> |
        <Link to="/professor">교수목록</Link> |
        <Link to="/student">학생목록</Link>
      </nav>
      <hr />
      { /* 각 예제 페이지 Route 적용 */ }
      <Routes>
        <Route path="/department" element={ <Department /> } />
        <Route path="/professor" element={ <Professor /> } />
        <Route path="/student" element={ <Student /> } />
      </Routes>
    </div>
  );
}

export default App;
```

Exam03

[학과목록](#) | [교수목록](#) | [학생목록](#)

학과번호	학과이름	위치
101	컴퓨터공학과	1호관
102	멀티미디어학과	2호관
201	전자공학과	3호관
202	기계공학과	4호관

Department.js

```
import React from 'react';
import DepartmentSub from '../component/DepartmentSub';
import Myschool from './Myschool';

const Department = () => {
  const { department } = Myschool;
  return (
    <div>
      <table border="1">
        <tbody>
          <tr>
            <th>학과번호</th>
            <th>학과이름</th>
            <th>위치</th>
          </tr>
          {department.map((v, i) => {
            console.log(v);
            return <DepartmentSub key={i} id={v.id} name={v.dname} loc=
{v.loc} />;
          })}
```

```

    }
  }
</tbody>
</table>
</div>
);
};

export default Department;

```

DepartmentSub.js

```

import React from 'react';

const DepartmentSub = ({id, name, loc}) => {
  return (
    <tr>
      <td>{id}</td>
      <td>{name}</td>
      <td>{loc}</td>
    </tr>
  )
}

export default DepartmentSub

```

Exam03

[학과목록](#) | [교수목록](#) | [학생목록](#)

교수번호	교수이름	아이디	직급	급여	입사일	보직수당	소속학과번호
9901	김도훈	capool	교수	500	1982-06-11	20	101
9902	이재우	sweat413	조교수	320	1995-04-11		201
9903	성연희	pascal	조교수	360	1993-03-16	15	101
9904	염일웅	blue77	전임강사	240	1998-10-10		102
9905	권혁일	refresh	교수	450	1986-02-10	25	102
9906	이만식	pocari	부교수	420	1988-07-10		101
9907	전은지	totoro	전임강사	210	2001-05-10		101
9908	남은혁	bird13	부교수	400	1990-10-17	17	202

Professor.js

```
import React from 'react';
import ProfessorSub from '../component/ProfessorSub';
import Myschool from './Myschool';

const Professor = () => {
  const { professor } = Myschool;
  return (
    <div>
      <table border="1">
        <tbody>
          <tr>
            <th>교수번호</th>
            <th>교수이름</th>
            <th>아이디</th>
            <th>직급</th>
            <th>급여</th>
            <th>입사일</th>
            <th>보직수당</th>
            <th>소속학과번호</th>
          </tr>
          {professor.map((v, i) => {
            return (
              <ProfessorSub
                key={i}
                id={v.id}
                pname={v.name}
                userid={v.userid}
                position={v.position}
                sal={v.sal}
                hiredate={v.hiredate}
                comm={v.comm}
                deptno={v.deptno}
              />
            );
          })}
        </tbody>
      </table>
    </div>
  );
};

export default Professor;
```

ProfessorSub.js

```
import React from 'react'

const ProfessorSub = ({id, pname, userid, position, sal, hiredate, comm,
```

```

deptno}) => {
  return (
    <tr>
      <td>{id}</td>
      <td>{pname}</td>
      <td>{userid}</td>
      <td>{position}</td>
      <td>{sal}</td>
      <td>{hiredate.substring(0, 10)}</td>
      <td>{comm}</td>
      <td>{deptno}</td>
    </tr>
  )
}

export default ProfessorSub

```

Exam03

[학과목록](#) | [교수목록](#) | [학생목록](#)

학생번호	학생이름	학년	주민번호	생년월일	연락처	키	몸무게	소속학과번호	담당교수번호
10101	전인하	4	790702-*****	1979-07-01	051)781-2158	176	72	101	9903
10102	박미경	1	840516-*****	1984-05-15	055)261-8947	168	52	101	
10103	김영균	3	810321-*****	1981-03-20	051)824-9637	170	88	101	9906
10104	지은경	2	800412-*****	1980-04-11	055)418-9627	161	42	101	9907
10105	임유진	2	830121-*****	1983-01-20	02)312-9838	171	54	101	9907
10106	서재진	1	851129-*****	1985-11-28	051)239-4861	186	72	101	
10107	이광훈	4	810913-*****	1981-09-12	055)736-4981	175	92	101	9903
10108	류민정	2	810819-*****	1981-08-18	055)248-3679	162	72	101	9907
10201	김진영	2	820606-*****	1982-06-05	055)419-6328	164	48	102	9905
10202	오유석	4	770912-*****	1977-09-11	051)724-9618	177	92	102	9905
10203	하나리	1	850109-*****	1985-01-08	055)296-3784	160	68	102	
10204	윤진욱	3	790402-*****	1979-04-01	053)487-2698	171	70	102	9905
20101	이동훈	1	831210-*****	1983-12-09	055)426-1752	172	64	201	
20102	박동진	1	851124-*****	1985-11-23	051)742-6384	182	70	201	
20103	김진경	2	830228-*****	1983-02-27	052)175-3941	166	51	201	9902
20104	조명훈	1	841214-*****	1984-12-13	02)785-6984	184	62	201	

Student.js

```

import React from 'react';
import StudentSub from '../component/StudentSub';
import Myschool from './Myschool';

```

```

const Student = () => {
  return (
    <div>
      <table border="1">
        <tbody>
          <tr>
            <th>학생번호</th>
            <th>학생이름</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>
          {Myschool.student.map((v, i) => {
            return (
              <StudentSub
                key={i}
                id={v.id}
                sname={v.name}
                grade={v.grade}
                idnum={v.idnum}
                birthdate={v.birthdate}
                tel={v.tel}
                height={v.height}
                weight={v.weight}
                deptno={v.deptno}
                profno={v.profno}
              />
            );
          })}
        </tbody>
      </table>
    </div>
  );
};

export default Student;

```

StudentSub.js

```

import React from 'react'

const StudentSub = ({id, sname, grade, idnum,
  birthdate, tel, height, weight, deptno, profno}) => {
  return (
    <tr>
      <td>{id}</td>

```

```
        <td>{sname}</td>
        <td>{grade}</td>
        <td>{idnum.substring(0,6)}-*****</td>
        <td>{birthdate.substring(0,10)}</td>
        <td>{tel}</td>
        <td>{height}</td>
        <td>{weight}</td>
        <td>{deptno}</td>
        <td>{profno}</td>
    </tr>
)
}

export default StudentSub
```