

Project ERP

작성 플로우

“기능을 가장 많이 구현할 수 있는 프로그램이 무엇이 있을까?”

이에 저는 과거 근무했던 회사의 ERP 시스템을 떠올리게 되었습니다.

ERP 시스템을 구성하면서 먼저 중요한 자재와 생산을 구현하기로 했습니다.

작성 플로우

※. 기능 구현 목표

1. BOM 만들기

- 인적, 자재, 회사, 부서, 포지션 코드 작성

2. 원자재, 완제품 코드 등록하여 응용해서 사용할 수 있도록 코드 구현하기

3. 자재 코드를 사용해서 완제품 코드를 Search 하고 다중 등록할 수 있도록 구현하기

4. 생산된 제품 수량 및 가격을 자동으로 계산하여 사용자가 볼 수 있도록 구현하기

사용 프로그램



Java



Java Script



MySQL



MySQL Work Bench



JSP



Tomcat



DBeaver



Eclipse



Bootstrap

BootStrap



Visual Studio Code

VS Code

기능 구현

홈 화면

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Personal

Go to Personal part

[Go button](#)

Material

Go to material part

[Go button](#)

Producing

Go to Producing part

[Go button](#)

기능 구현

Bootstrap 을 이용한 드롭다운 및 테이블 CSS 기능 구현

ERP_Rock Home **BOM** Personnel Material Producing Quality

Personnel
Material
Completed Material
Company Code
Department Code
Position Code

LogIn LogOut

#	UserName		Start Date	Company Code	Department Code	User Position	User Salary	Buttons
1	Jieun		2024-11-07	10000	100	C.E.O	50000000	Alter Delete
2	Jake		2024-11-07	20000	100	C.E.O	60000000	Alter Delete
3	Rob	robbomb@gmail.com	2024-11-07	20000	100	C.E.O	50000000	Alter Delete
4	Jueun	jueun@gmail.com	2024-11-08	10000	200	Director	50000000	Alter Delete
5	Hangkyu	kyu@gmail.com	2024-11-08	10000	400	Vice Presidenet	60000000	Alter Delete
6	Jjangdol	jjangdol@gmail.com	2024-11-15	40000	100	C.E.O	50000000	Alter Delete
7	Jjangbap	jjangbap@gmail.com	2024-11-15	40000	100	Vice Presidenet	40000000	Alter Delete

Write

기능 구현

인적 자원 관리 Search 기능 구현

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Search

#	User Name	User Email	Start Date	Company Code	Company Name	Department Code	Department Name	Position Code	Position Name	Salary
1	jieun	jjingzang@gmail.com	2024-11-26	10000	Rock.co.ltd	100	C.E.O	1000	C.E.O	100000000
2	Jake	Jubjub@gmail.com	2024-11-26	20000	Jubjub.co.Ltd	100	C.E.O	1000	C.E.O	100000000
3	Rob	Robomb@gmail.com	2024-11-27	30000	BombBomb.co.Ltd	100	C.E.			
4	HangKyu	kyu@gmail.com	2024-11-28	10000	Rock.co.ltd	200	Admir			

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#	User Name	User Email	Start Date	Company Code	Company Name	Department Code	Department Name	Position Code	Position Name	Salary
1	jieun	jjingzang@gmail.com	2024-11-26	10000	Rock.co.ltd	100	C.E.O	1000	C.E.O	100000000
2	Jake	Jubjub@gmail.com	2024-11-26	20000	Jubjub.co.Ltd	100	C.E.O	1000	C.E.O	100000000

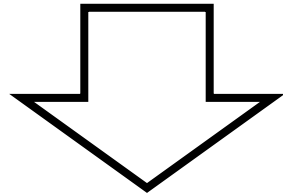
기능 구현 - write

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Login Logout

Submit

UserName	UserEmail	Start Date	Company Code	Department Code	User Position	User Salary
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



내용 입력 후 Submit 누르면 DB에 연결되어 DB Insert 가능하도록 설계

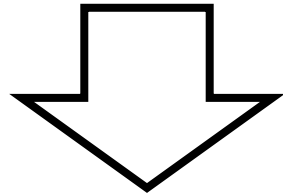
기능 구현 - Alter/Delete

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[Submit](#)

#	UserName	UserEmail	Start Date	Company Code	Department Code	User Position	User Salary
1	Jieun	jjingzang@gmail.com	2024-11-07	10000	100	C.E.O	50000000

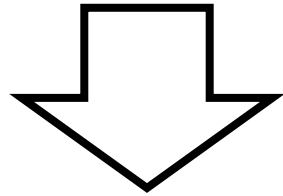


내용 입력 후 Submit 누르면 DB에 연결되어 인덱스의 순서에 맞춰 DB Alter 또는 Delete 가능하도록 설계

기능 구현

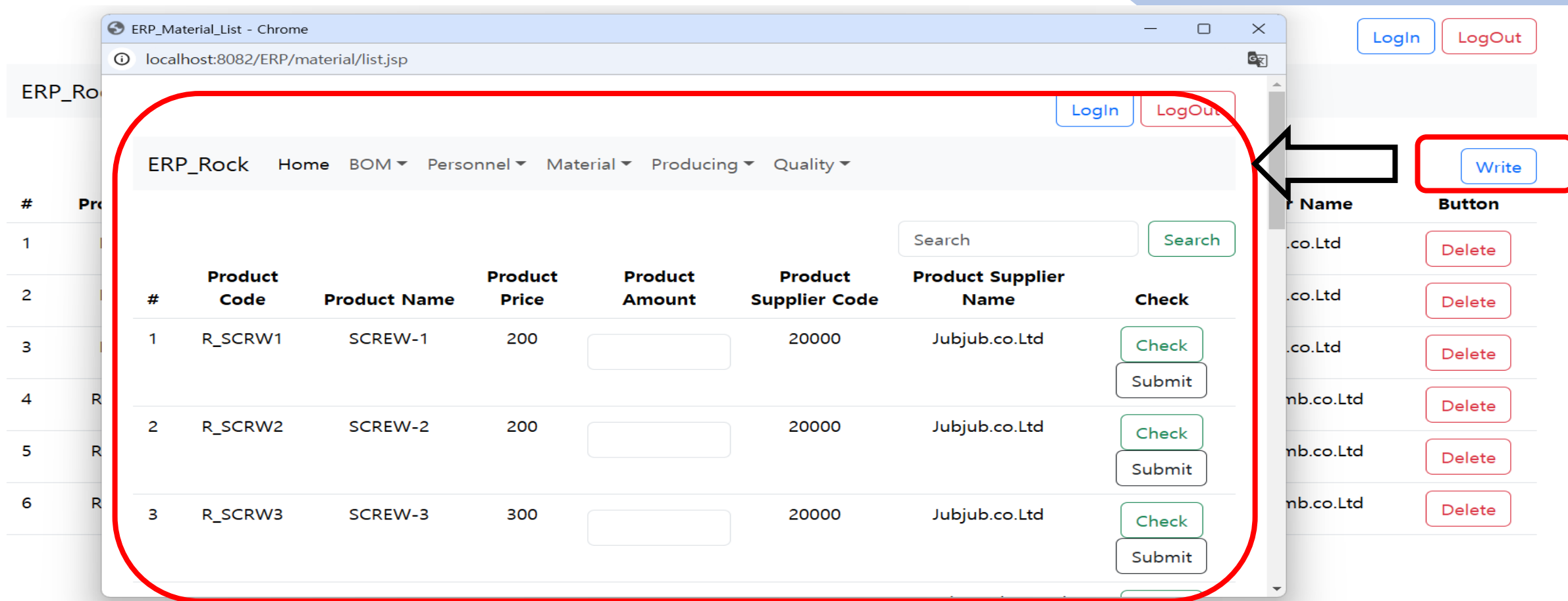
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#	Product Code	Product Name	Product Price	Component Name	Component Quantity	Button
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="button" value="Submit"/>	<input type="text"/>	<input type="button" value="Submit"/>



Material 부분은 Component Name 기억이 어려울 수 있어 Java Script의 window.open 기능 접합

Component Name 을 Java script 의 새 창 열기 기능 구현



기능 구현

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[Add](#)[Submit](#)

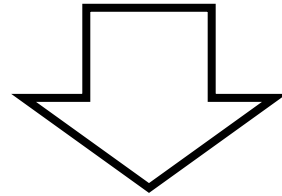
#

Product Code

Product Name

Product Amount

Product Price



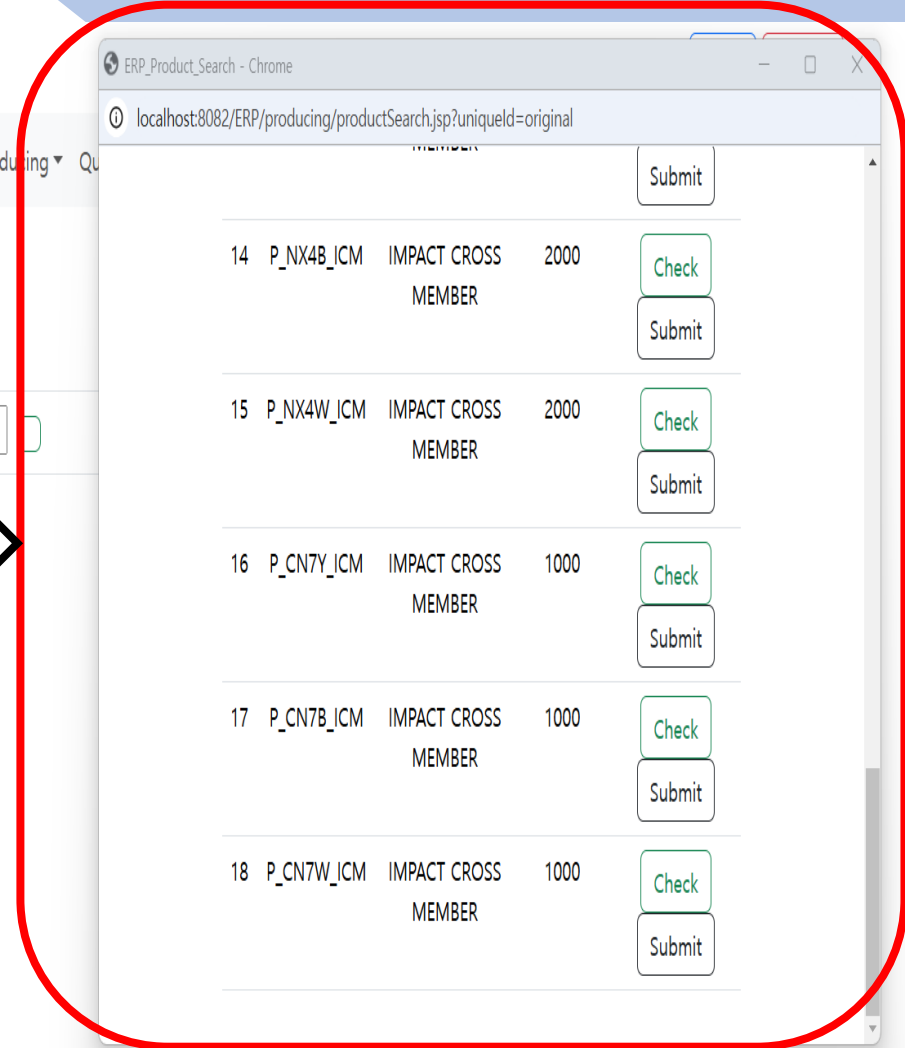
Java Script 를 활용한 Add 기능과 window.open 기능 구현

기능 구현

버튼 클릭 시 Java Script 를 이용한 window.open 버튼 기능 구현

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#	Product Code
<input type="text"/>	<input type="text"/>



기능 구현

Add 버튼 누를 시 줄 추가 기능 구현

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#	Product Code		Product Name	Product Amount	Product Price
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
15	P_NX4W_ICM	<input type="text"/>	IMPACT CROSS MEMBE	10	2000
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

기능 구현

두 개의 값 입력 시 데이터 전송 기능 구현

AddSubmit

#	Product Code		Product Name	Product Amount	Product Price
15	P_NX4W_ICM	<input type="checkbox"/>	IMPACT CROSS MEMBER	10	2000
17	P_CN7B_ICM	<input type="checkbox"/>	IMPACT CROSS MEMBER	10	1000

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Write

#	Product Code	Product Name	Product Amount	Product Price	Total Profit	Buttons
1	P_NX4Y_ICM	IMPACT CROSS MEMBER	1	2000	2000	Delete
2	P_NX4B_ICM	IMPACT CROSS MEMBER	2	2000	4000	Delete
3	P_NX4W_ICM	IMPACT CROSS MEMBER	3	2000	6000	Delete
4	P_CN7Y_ICM	IMPACT CROSS MEMBER	4	1000	4000	Delete
5	P_NX4W_ICM	IMPACT CROSS MEMBER	5	2000	10000	Delete
6	P_CN7W_ICM	IMPACT CROSS MEMBER	6	1000	6000	Delete
7	P_NX4W_ICM	IMPACT CROSS MEMBER	10	2000	20000	Delete
8	P_CN7B_ICM	IMPACT CROSS MEMBER	10	1000	10000	Delete

기능 구현

Amount 값과 Price 값 JAVA 내에서 자동 계산 기능 구현

Add

Submit

#	Product Code	Product Name	Product Amount	Product Price
<input type="text" value="15"/>	<input type="text" value="P_NX4W_ICM"/>	<input type="text" value="IMPACT CROSS MEMBER"/>	<input type="text" value="10"/>	<input type="text" value="2000"/>
<input type="text" value="17"/>	<input type="text" value="P_CN7B_ICM"/>	<input type="text" value="IMPACT CROSS MEMBER"/>	<input type="text" value="10"/>	<input type="text" value="1000"/>

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#	Product Code	Product Name	Product Amount	Product Price	Total Profit	Buttons
1	P_NX4Y_ICM	IMPACT CROSS MEMBER	1	2000	2000	Delete
2	P_NX4B_ICM	IMPACT CROSS MEMBER	2	2000	4000	Delete
3	P_NX4W_ICM	IMPACT CROSS MEMBER	3	2000	6000	Delete
4	P_CN7Y_ICM	IMPACT CROSS MEMBER	4	1000	4000	Delete
5	P_NX4W_ICM	IMPACT CROSS MEMBER	5	2000	10000	Delete
6	P_CN7W_ICM	IMPACT CROSS MEMBER	6	1000	6000	Delete
7	P_NX4W_ICM	IMPACT CROSS MEMBER	10	2000	20000	Delete
8	P_CN7B_ICM	IMPACT CROSS MEMBER	10	1000	10000	Delete

기능 구현

Java를 이용한 Search 기능 구현

#	Product Code	Product Name	Product Price	Button
13	P_NX4Y_ICM	IMPACT CROSS MEMBER	2000	<button>Check</button> <button>Submit</button>
14	P_NX4B_ICM	IMPACT CROSS MEMBER	2000	<button>Check</button> <button>Submit</button>
15	P_NX4W_ICM	IMPACT CROSS MEMBER	2000	<button>Check</button> <button>Submit</button>
16	P_CN7Y_ICM	IMPACT CROSS MEMBER	1000	<button>Check</button> <button>Submit</button>
17	P_CN7B_ICM	IMPACT CROSS MEMBER	1000	<button>Check</button> <button>Submit</button>
18	P_CN7W_ICM	IMPACT CROSS MEMBER	1000	<button>Check</button> <button>Submit</button>

#	Product Code	Product Name	Product Price	Button
1	R_SCRW1	SCREW-1	200	<button>Check</button> <button>Submit</button>
2	R_SCRW2	SCREW-2	200	<button>Check</button> <button>Submit</button>
3	R_SCRW3	SCREW-3	300	<button>Check</button> <button>Submit</button>
		Impact	200	<button>Check</button> <button>Submit</button>
			200	<button>Check</button> <button>Submit</button>
			300	<button>Check</button> <button>Submit</button>
			100	<button>Check</button> <button>Submit</button>
			100	<button>Check</button> <button>Submit</button>
			300	<button>Check</button> <button>Submit</button>

감사합니다.