



# 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



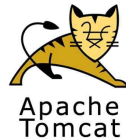
MySQL



MySQL Work Bench



JSP



Tomcat



DBeaver



Eclipse



Bootstrap

BootStrap



Visual Studio Code

VS Code

# 기능 구현

BootStrap 을 이용한 드롭다운 및 테이블 CSS 기능 구현

ERP\_Rock [Home](#) [BOM](#) [Personnel](#) [Material](#) [Producing](#) [Quality](#)

[Login](#) [LogOut](#)

#	UserName	Completed Material	Start Date	Company Code	Department Code	User Position	User Salary	Buttons
1	Jieun	Company Code	2024-11-07	10000	100	C.E.O	50000000	<a href="#">Alter</a> <a href="#">Delete</a>
2	Jake	Department Code	2024-11-07	20000	100	C.E.O	60000000	<a href="#">Alter</a> <a href="#">Delete</a>
3	Rob	Position Code	2024-11-07	20000	100	C.E.O	50000000	<a href="#">Alter</a> <a href="#">Delete</a>
4	Jueun		2024-11-08	10000	200	Director	50000000	<a href="#">Alter</a> <a href="#">Delete</a>
5	Hangkyu		2024-11-08	10000	400	Vice Presidenet	60000000	<a href="#">Alter</a> <a href="#">Delete</a>
6	Jjangdol		2024-11-15	40000	100	C.E.O	50000000	<a href="#">Alter</a> <a href="#">Delete</a>
7	Jjangbap		2024-11-15	40000	100	Vice Presidenet	40000000	<a href="#">Alter</a> <a href="#">Delete</a>

Write

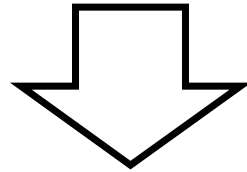
# 기능 구현 - write

ERP\_Rock Home BOM ▼ Personnel ▼ Material ▼ Producing ▼ Quality ▼

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

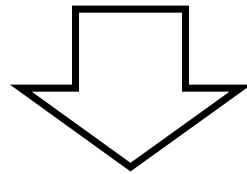
# 기능 구현 - Alter/Delete

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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

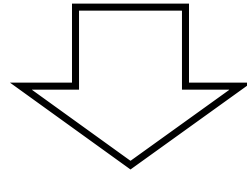


내용 입력 후 Submit 누르면 DB에 연결되어 인덱스의 순서에 맞춰 DB Alter 또는 Delete 가능하도록 설계

# 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="text"/>	<input type="button" value="Submit"/>



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



# 기능 구현

Component Name 을 Java script 의 새 창 열기 기능 구현

The screenshot displays a web application interface for an ERP system. The main window, titled 'ERP\_Material\_List - Chrome', shows a list of materials with columns for Product Code, Product Name, Product Price, Product Amount, Product Supplier Code, Product Supplier Name, and Check. A red rounded rectangle highlights the main content area. To the right, a sidebar menu is visible with a 'Write' button highlighted by a red rectangle and a black arrow pointing to it. The sidebar also includes 'Login' and 'Logout' buttons at the top.

ERP\_Rock Home BOM Personnel Material Producing Quality

Search Search

#	Product Code	Product Name	Product Price	Product Amount	Product Supplier Code	Product Supplier Name	Check
1	R_SCRW1	SCREW-1	200	<input type="text"/>	20000	Jubjub.co.Ltd	<input type="button" value="Check"/> <input type="button" value="Submit"/>
2	R_SCRW2	SCREW-2	200	<input type="text"/>	20000	Jubjub.co.Ltd	<input type="button" value="Check"/> <input type="button" value="Submit"/>
3	R_SCRW3	SCREW-3	300	<input type="text"/>	20000	Jubjub.co.Ltd	<input type="button" value="Check"/> <input type="button" value="Submit"/>

Write

Login Logout

co.Ltd Delete

co.Ltd Delete

co.Ltd Delete

nb.co.Ltd Delete

nb.co.Ltd Delete

nb.co.Ltd Delete

# 기능 구현

Login Logout

ERP\_Rock Home BOM Personnel Material Producing Quality

Add Submit

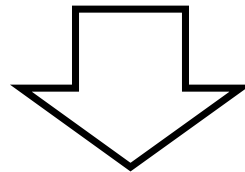
#

Product Code

Product Name

Product Amount

Product Price



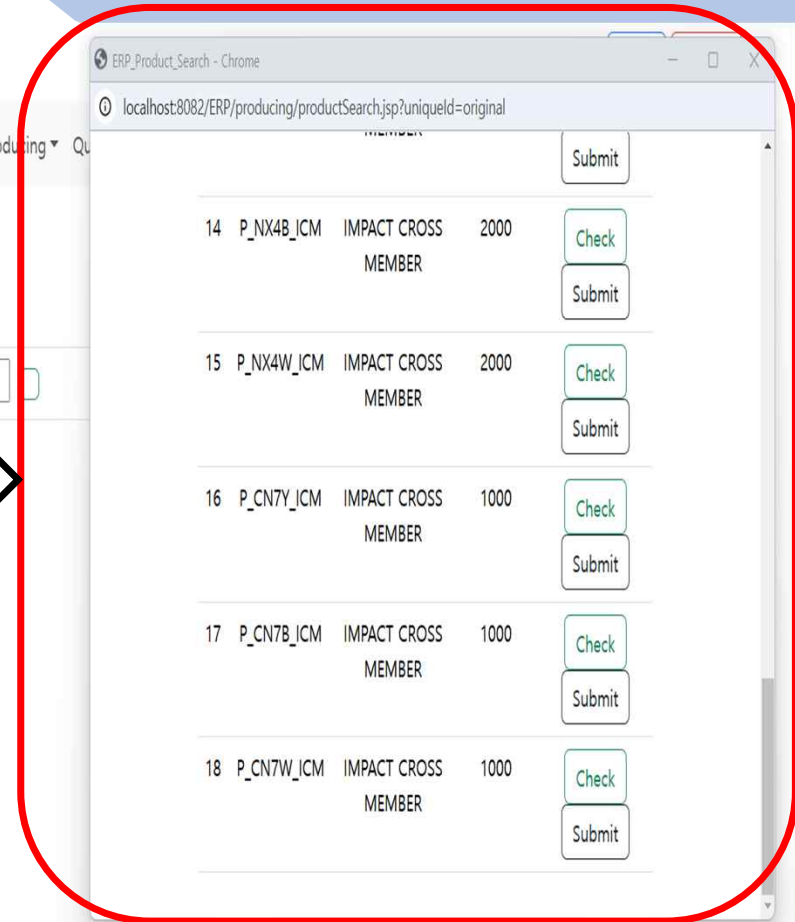
Java Script 를 활용한 Add 기능과 window.open 기능 구현

# 기능 구현

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

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# Product Code



# 기능 구현

Add 버튼 누를 시 줄 추가 기능 구현

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Login Logout

#	Product Code	Product Name	Product Amount	Product Price
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Add Submit

Add Submit

#	Product Code	Product Name	Product Amount	Product Price
15	P_NX4W_ICM	IMPACT CROSS MEMBEF	10	2000
<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	IMPACT CROSS MEMBER	10	2000
17	P_CN7B_ICM	IMPACT CROSS MEMBER	10	1000

LoginLogout

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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

AddSubmit

#	Product Code	Product Name	Product Amount	Product Price
15	P_NX4W_ICM	IMPACT CROSS MEMBER	10	2000
17	P_CN7B_ICM	IMPACT CROSS MEMBER	10	1000

LoginLogout

ERP\_Rock Home BOM Personnel Material Producing Quality

#	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

Write

# 기능 구현

Java를 이용한 Search 기능 구현

					Search Product Name Search	
#	Product Code	Product Name	Product Price	Button		
1	R_SCRW1	SCREW-1	200	Check	Submit	
2	R_SCRW2	SCREW-2	200	Check	Submit	
3	R_SCRW3	SCREW-3	300	Check	Submit	
					Impact X Search	
			200	Check	Submit	
			200	Check	Submit	
			300	Check	Submit	
			100	Check	Submit	
			100	Check	Submit	
			300	Check	Submit	
#	Product Code	Product Name	Product Price	Button		
13	P_NX4Y_ICM	IMPACT CROSS MEMBER	2000	Check	Submit	
14	P_NX4B_ICM	IMPACT CROSS MEMBER	2000	Check	Submit	
15	P_NX4W_ICM	IMPACT CROSS MEMBER	2000	Check	Submit	
16	P_CN7Y_ICM	IMPACT CROSS MEMBER	1000	Check	Submit	
17	P_CN7B_ICM	IMPACT CROSS MEMBER	1000	Check	Submit	
18	P_CN7W_ICM	IMPACT CROSS MEMBER	1000	Check	Submit	

감사합니다.