

ERD 생성

X

프로젝트명

설명

공개 범위



개인



공개



팀



비공개

1 - 2 이동

생성하기

2 - 1 이동

ERD 생성

X

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설명

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1 - 3 이동

생성하기

2 - 1 이동

1 - 2

ERD 생성

X

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팀

팀 목록1

팀 목록2

팀 목록3

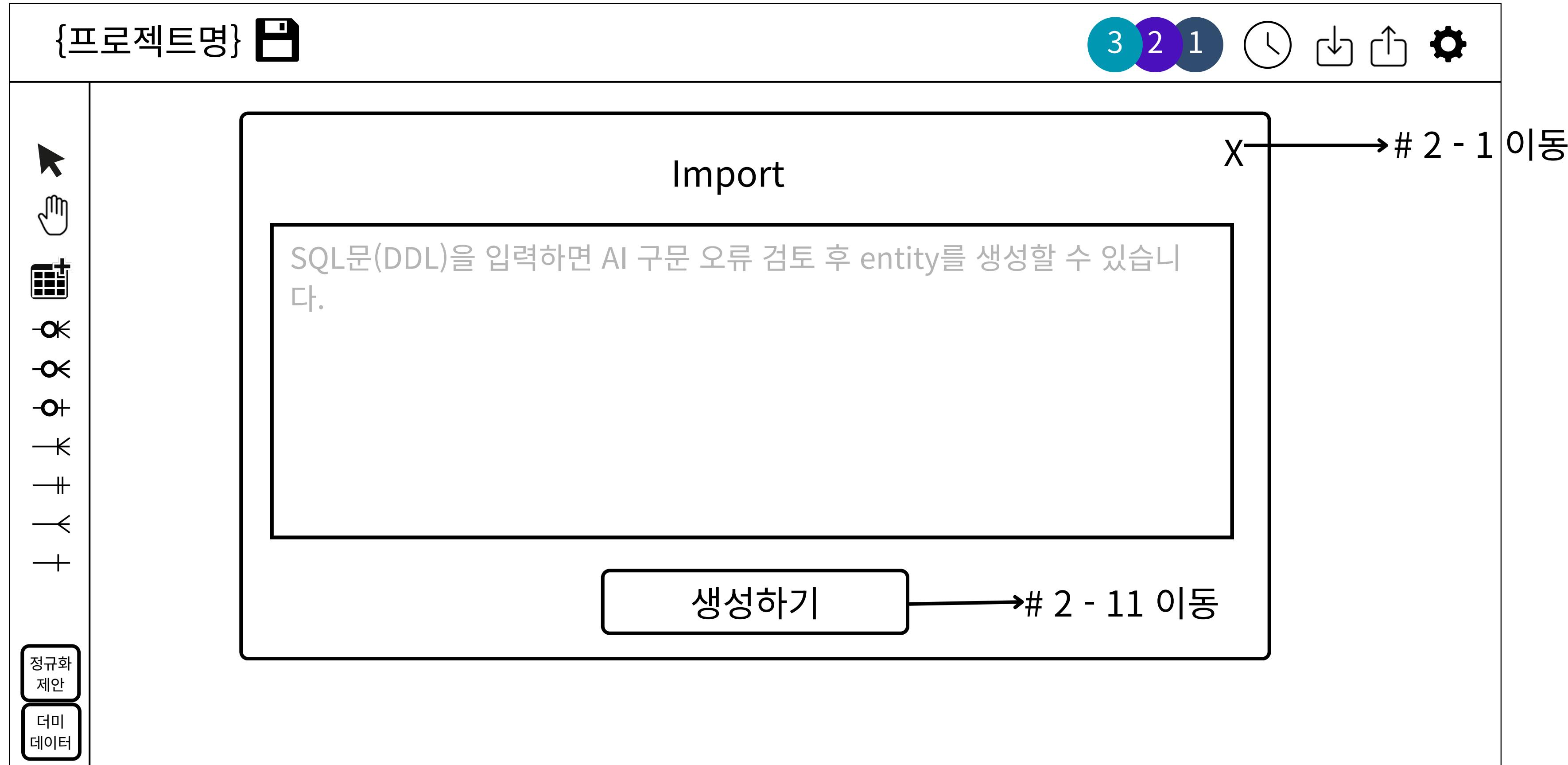


Owner와 Editor

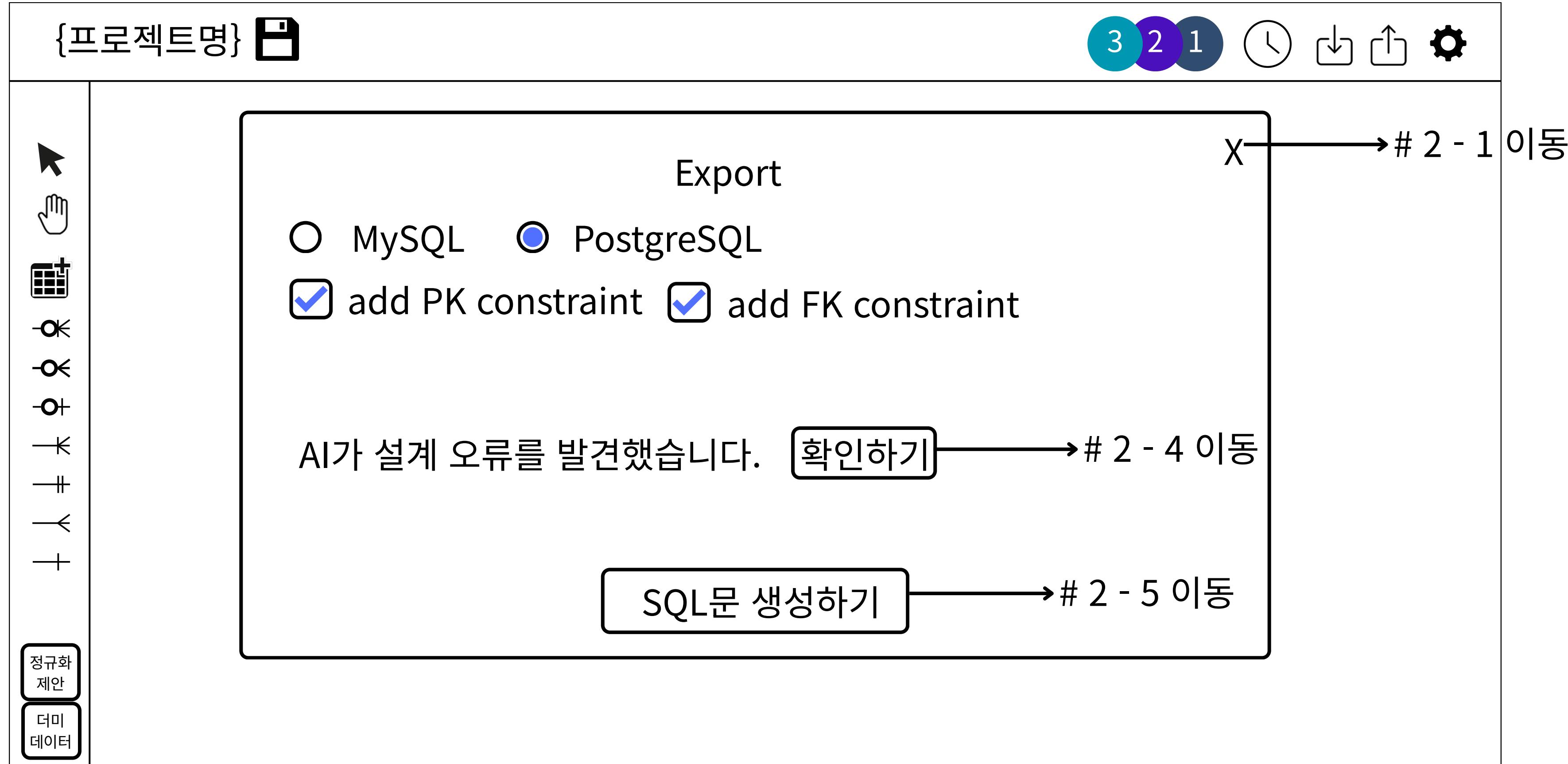


2 - 1

Owner와 Editor



Owner와 Editor



Owner와 Editor

{프로젝트명}

3 2 1

설계 오류 수정 제안

X → # 2 - 3 이동

테이블	오류 유형	현재 구조	제안 구조	이유
users	PK 누락	user_id INT	user_id INT PRIMARY KEY	기본키 없음
products	중복 컬럼	name VARCHAR(50), product_name VARCHAR(50)	name VARCHAR(50)만 유지	컬럼 중복 제거

수락하기

정규화
제안

더미
데이터

2 - 4

Owner와 Editor

The screenshot shows a database management interface with the following elements:

- Header:** Includes a project name field, a save icon, and three circular status indicators labeled 3, 2, and 1. To the right are icons for a clock, download, upload, and settings.
- Left Sidebar:** Features a vertical toolbar with various icons: a cursor, a hand, a grid, a key, a plus sign, a minus sign, a double left arrow, a double right arrow, and a plus sign.
- Central Content Area:** A large box titled "Export" contains the following SQL code:

```
CREATE TABLE `users` (
  `user_id` INT NOT NULL,
  `username` VARCHAR(50) NOT NULL,
  `password` VARCHAR(255) NOT NULL,
  `email` VARCHAR(100) NOT NULL,
  ...
)
```

A scroll bar is visible on the right side of this box.
- Bottom Buttons:** A large button labeled "SQL문 다운로드" (Download SQL) is centered at the bottom of the export box. Below it are two smaller buttons: "정규화 제안" (Normalization Suggestion) and "더미 데이터" (Fake Data).
- Right Margin:** The number "# 2 - 1" is positioned near the top right, and the word "이동" (Move) is at the bottom right.

Owner와 Editor

The screenshot shows a software interface for generating dummy data. The top bar includes a project name placeholder, a save icon, and three circular status indicators labeled 3, 2, and 1. To the right are icons for a clock, download, upload, and settings.

The main area is titled "Dummy Data" and contains four input fields:

- 테이블: dropdown menu showing "다중선택" (Multi-select)
- 언어: dropdown menu
- 서비스 카테고리: dropdown menu
- 개수: input field

A large button at the bottom is labeled "생성하기" (Generate) with the identifier "# 2 - 7 이동" (Move to # 2 - 7).

The left sidebar features several icons: a cursor, a hand, a grid with a plus sign, a key, a gear, and a double arrow. At the bottom are two buttons: "정규화 제안" (Normalization suggestion) and "더미 데이터" (Fake data).

On the right side of the main window, there is a vertical label "# 2 - 1 이동" (Move to # 2 - 1) next to an 'X' icon.

Owner와 Editor

The screenshot shows a user interface for managing data. At the top, there is a header with a project name placeholder, three circular status indicators (3, 2, 1), a clock icon, and download/upload/gear icons. On the left, a vertical toolbar contains icons for back/forward, refresh, add, delete, and search. At the bottom left, there are two buttons: '정규화 제안' (Normalization Suggestion) and '더미 데이터' (Fake Data). The main area displays a 'Dummy Data' table with three rows:

id	name	email
1	Alice	alice@example.com
2	Bob	bob@example.com
3	Charlie	charlie@example.com

Below the table, there are buttons for '데이터 타입' (Data Type) (SQL or json), and a '내보내기' (Export) button. To the right of the table, there is a redacted section with an 'X' and the text '# 2 - 1 이동'.

Owner와 Editor

The screenshot shows a software interface with a header bar containing project name, save, undo, redo, and settings icons. A navigation sidebar on the left includes icons for back, forward, search, and zoom. The main content area displays a 'Regular/Irregular Planning' section with the following details:

정규화/역정규화 제안

■ users 테이블 - 2정규화 제안
변경 전: dept_name 포함 → 중복 발생
변경 후: dept_id로 분리, departments 테이블 생성
이유: 중복 제거, 구조 정리

상세보기 수락 거절

2 - 9 이동

모두 수락

At the bottom left, there are two buttons: '정규화 제안' and '더미 데이터'.

On the right side, there is a large 'X' icon and the text '# 2 - 1 이동'.

Owner와 Editor

The screenshot shows a database schema editor interface. At the top, there's a header with project name, version (# 2 - 8 이동), and navigation buttons (3, 2, 1, back, forward, refresh, settings). The main area is titled "정규화/역정규화 제안 상세보기". It displays two sections: "변경 전" (before change) and "변경 후" (after change).

변경 전:

```
CREATE TABLE users (
    user_id INT PRIMARY KEY,
    username VARCHAR(50) NOT NULL,
    dept_name VARCHAR(50) -- 부서명이 users 테이블에 직접 포함
);
```

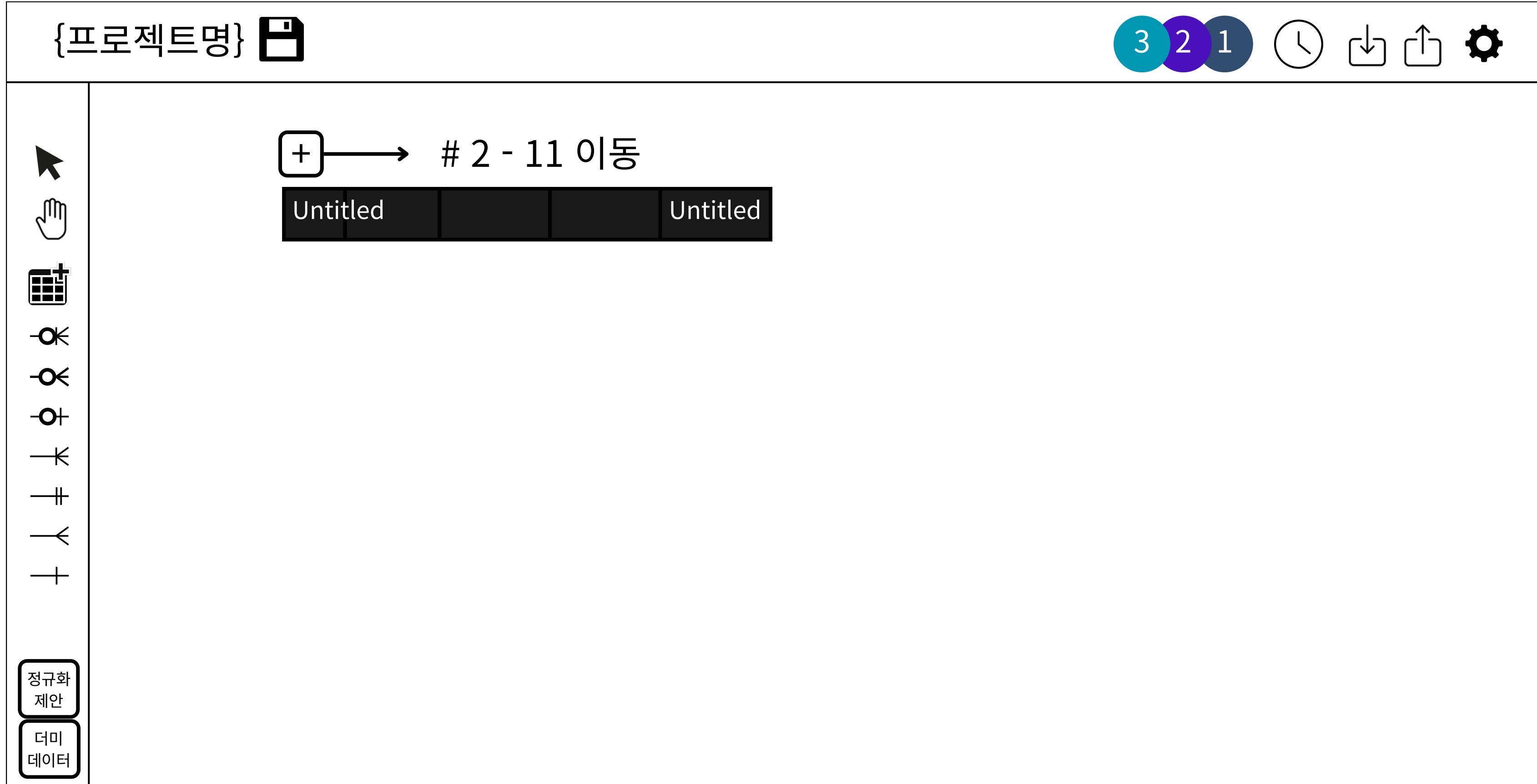
변경 후:

```
-- 부서 테이블
CREATE TABLE departments (
    dept_id INT PRIMARY KEY AUTO_INCREMENT,
    dept_name VARCHAR(50) NOT NULL UNIQUE
);
```

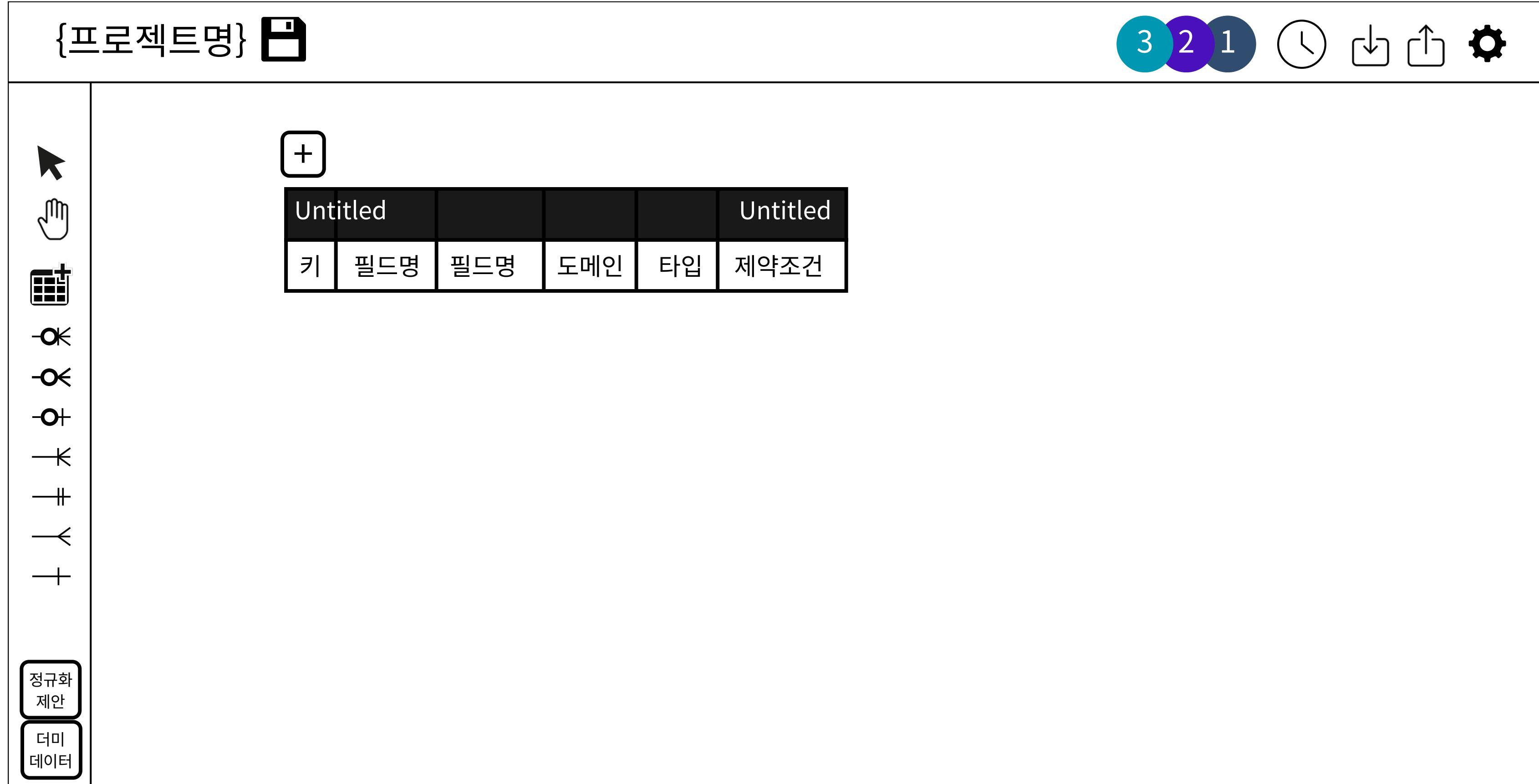
On the left sidebar, there are icons for file operations (New, Open, Save, Delete, Copy, Paste, Find, Replace, Undo, Redo, etc.) and buttons for "정규화 제안" (Normalization suggestion) and "더미 데이터" (Fake data).

A curved arrow points from the "변경 전" section to the "변경 후" section, indicating a transformation or migration path.

Owner와 Editor



Owner와 Editor



Viewer

{프로젝트명}

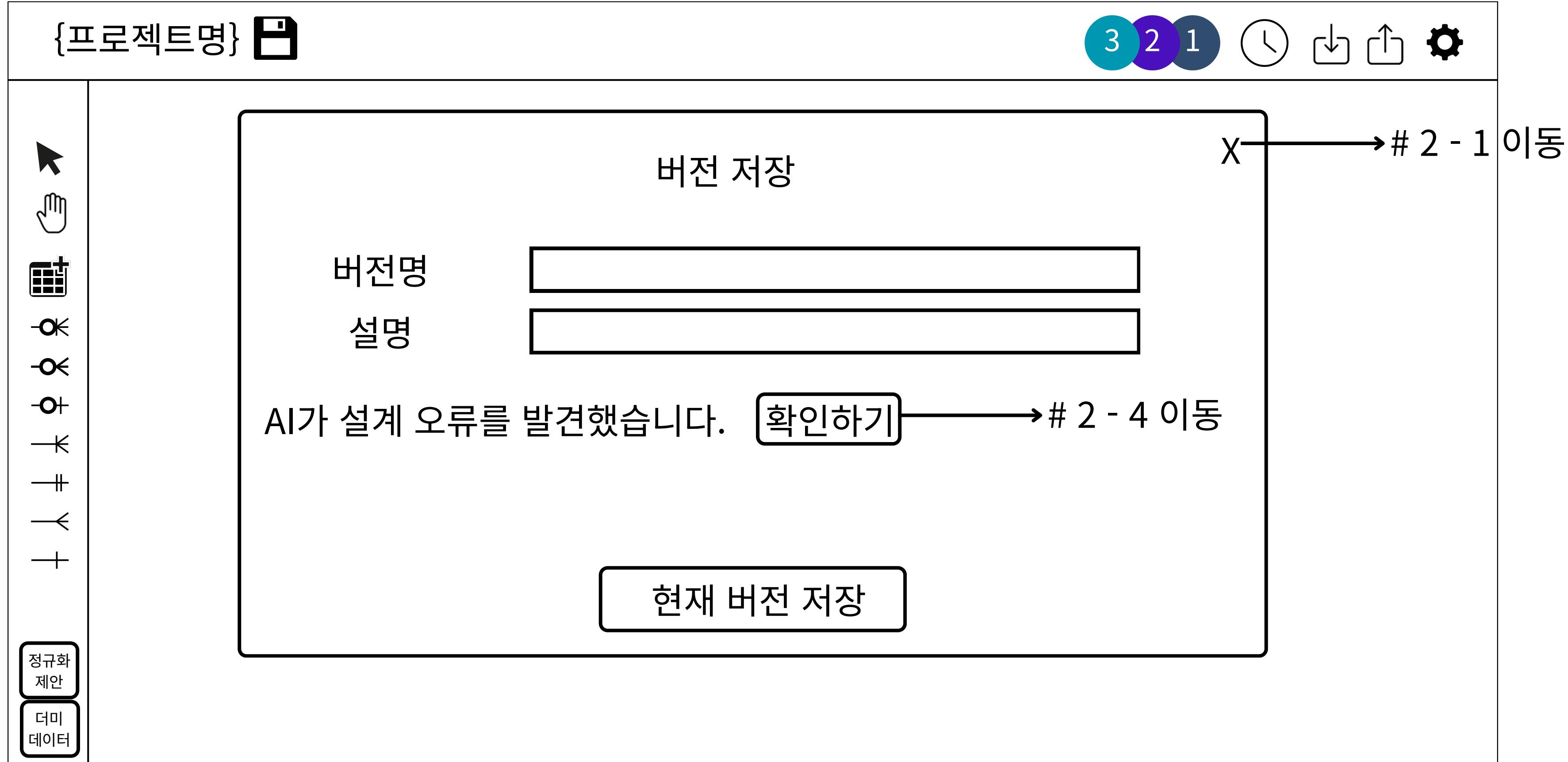
3 2 1

⌚ ⚙️

3 - 3 이동

Untitled		Untitled			
키	필드명	필드명	도메인	타입	제약조건

Owner와 Editor



Owner와 Editor

The screenshot shows a software interface for managing versions and clones. At the top, there is a header with a project name placeholder, three colored circles (blue, purple, and dark blue), a clock icon, and download/upload/cogwheel icons. On the left, a sidebar contains navigation icons: back, forward, search, refresh, and zoom. A bottom sidebar has buttons for '정규화 제안' and '더미 데이터'.

The main area is titled '버전 관리 / 편집 이력' (Version Management / Edit History). It includes a '필터' section with tabs for '날짜', '편집자', and '빌드 상태'. Below this is a '버전 리스트' (Version List) showing three entries:

- 1. v1.3 | Alice | 2025-10-20 10:30 | (green circle)
- 2. v1.2 | Bob | 2025-10-19 17:45 | (red circle)
- 3. v1.1 | Carol | 2025-10-18 09:20 | (green circle)

For each entry, there are three buttons: 'Diff보기', '롤백', and '삭제'. An arrow points from the second entry to the text '# 2 - 1 이동' (Move # 2 - 1). Another arrow points from the second entry to the text '# 2 - 15 이동' (Move # 2 - 15).

Owner와 Editor

{프로젝트명} # 2 - 14 이동

버전 상세 보기
v1.3 | Alice | 2025-10-20 10:30 |

변경 사항

- 변경 테이블: users, orders
- 변경 컬럼: dept_name → dept_id
- 관계: orders.user_id FK 추가

정규화 제안
더미 데이터

3 2 1

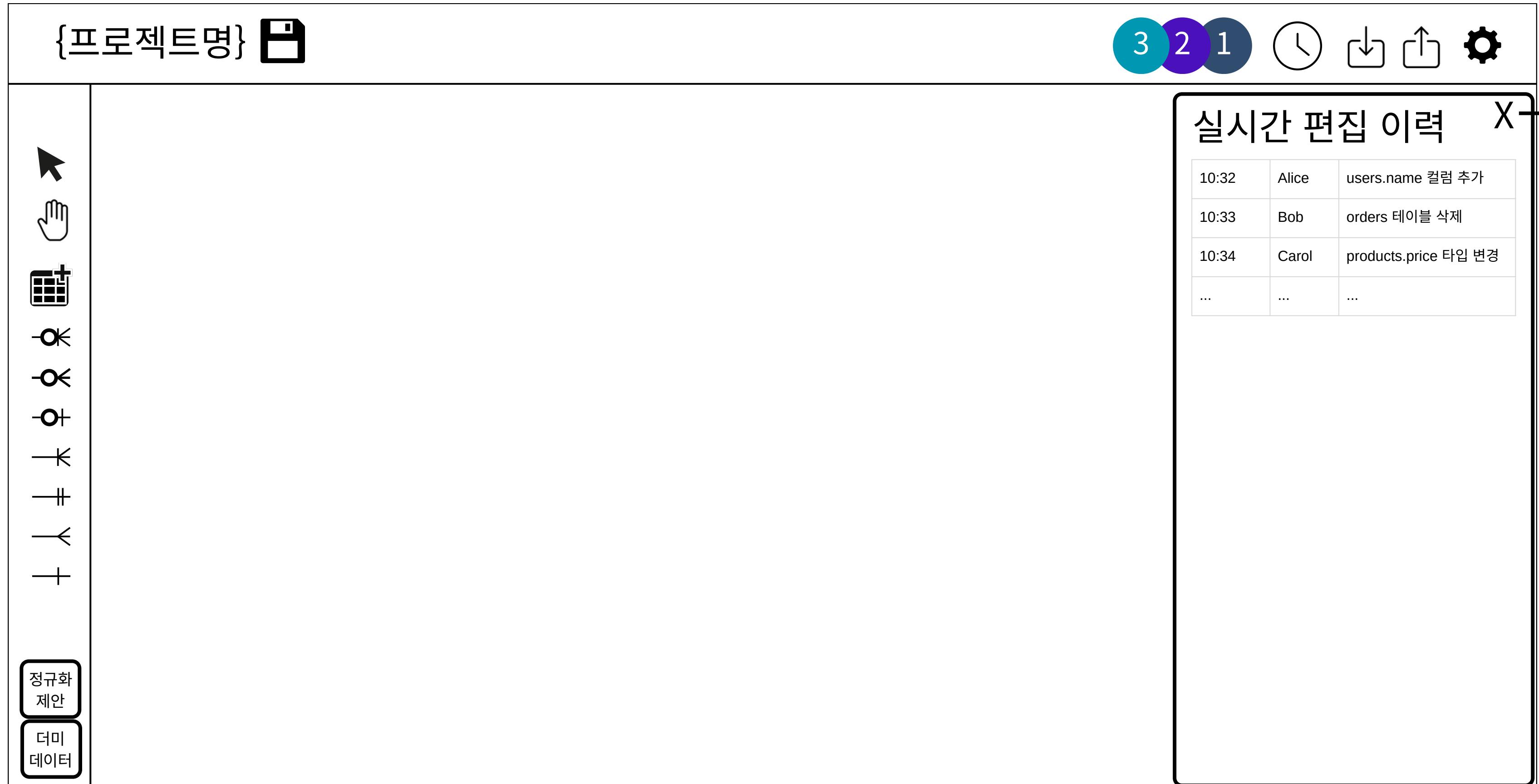
X → # 2 - 1 이동

```
classDiagram
    class CONTROLHEADER {
        PK ControlID
        DepotCode
        MachineCode
    }
    class DEPOTCODES {
        PK ID
        Depotcode
        Description
    }
    class STAGE {
        PK StageID
        StageNo
        StageTime
        JourneyID
    }
    class IMPORT {
        PK Filename
        NumOfDataset
        NumOfControlHeader
        NumOfDuty
        NumOfJourneyStart
        NumOfJourneyEnd
        NumOfStage
        NumOfTrans
        NumOfMcV
        NumOfError
    }
    class DUTY {
        PK DutyID
        DutyDate
        ControlID
        DutyYear
        DutyMonth
        DutyDay
        DutyWDay
        DutyWeek
    }
    class JOURNEY {
        PK JourneyID
        DutyID
        RoutedID
        Direction
        ActualStartTime
        ScheduledStartTime
        FinishTime
        StartStage
        FinishStage
        TotalTime
        StartHour
    }
    class TRANSACTION {
        PK TransID
        TicketID
        TicketTypeID
        StageID
        PrevMode
        PrevRoute
        PrevStage
        NewTicketID
    }
    class ROUTES {
        PK RouteID
        From
        To
        Stages
    }
    class MODE {
        PK ModelID
        ModeName
    }
    class TICKETTYPE {
        PK TicketTypeID
        TicketTypeName
        Category
        Duration
    }
    class VALIDATIONS {
        PK ValidatorID
        McvID
        JourneyID
        NumOfValidations
        NumOfRetries
        NumOfRejections
    }
    class TICKETCATEGORY {
        PK Category
        Description
    }
    class ERROR {
        PK ErrorID
        DataString
        Filename
    }

    CONTROLHEADER <|-- DUTY
    DEPOTCODES <|-- JOURNEY
    STAGE <|-- TRANSACTION
    IMPORT <|-- TRANSACTION
    DUTY <|-- JOURNEY
    JOURNEY <|-- TRANSACTION
    TRANSACTION <|-- MODE
    TRANSACTION <|-- TICKETTYPE
    ROUTES <|-- JOURNEY
    VALIDATIONS <|-- JOURNEY
    TICKETCATEGORY <|-- VALIDATIONS
    TICKETTYPE <|-- VALIDATIONS
    MODE <|-- TRANSACTION
    TICKETTYPE <|-- TRANSACTION
```

Owner와 Editor

2 - 1 이동



2 - 16

{프로젝트명} 설정

프로젝트명

프로젝트명 입력값

2 - 1 이동

설명

설명 입력값

공개 범위

- 개인
- 팀
- 공개
- 비공개

팀

팀명

팀원

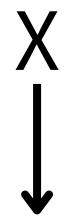


팀원 1

팀원 2

팀원 3

3 - 5 이동



프로젝트 삭제하기

저장하기

3 - 4 이동

3 - 1

{프로젝트명} 설정

X
↓
2 - 1 이동

프로젝트명 프로젝트명 입력값

설명 설명 입력값

- | | | |
|-------|-------------------------------------|------------------------------------|
| 공개 범위 | <input type="radio"/> 개인 | <input checked="" type="radio"/> 팀 |
| | <input checked="" type="radio"/> 공개 | <input type="radio"/> 비공개 |

팀 팀명

- | | | |
|----|---|------|
| 팀원 |  | 팀원 1 |
| | | 팀원 2 |
| | | 팀원 3 |

↓
3 - 6 이동

저장하기

3 - 2

{프로젝트명} 설정

X
↓
2 - 12 이동

프로젝트명 프로젝트명 입력값

설명 설명 입력값

공개 범위 개인 팀
 공개 비공개

팀 팀명

팀원 팀원 1
 팀원 2
 팀원 3

{프로젝트명} 설정

프로젝트

설명

공개 범위

팀

팀원

정말 삭제하시겠습니까?

프로젝트를 삭제하면
연관된 모든 데이터(ERD, 버전 등)가 삭제되며,
복구할 수 없습니다.

취소하기

삭제하기

X
↓
3 - 1 이동

3 - 1 이동

저장하기

Owner

{프로젝트명} 설정

프로젝트

설명

공개 범위

팀

팀원

팀원 초대

이메일

X
↓
3 - 1 이동

권한

Owner

Editor

Viewer

초대하기

저장하기

3 - 5

Editor

{프로젝트명} 설정

프로젝트

설명

공개 범위

팀

팀원

팀원 초대

이메일

X
↓
3 - 2 이동

권한

Owner

Editor

Viewer

초대하기

저장하기