

게시판 도메인 - Board

- 게시글 들을 포함하는 단위인 게시판 도메인
 - 구현 기능
 - ~~게시판 생성~~ ~~사용자는~~ ~~게시판을 생성할 수 있다.~~
 - ~~게시판 조회~~ ~~사용자는~~ ~~게시판을 조회 할 수 있다.~~
 - ~~게시판 수정~~ ~~게시판 작성자는~~ ~~작성한 게시판을 수정할 수 있다.~~
 - ~~게시판 삭제~~ ~~게시판 작성자는~~ ~~작성한 게시판을 삭제할 수 있다.~~
 - 구현 페이지
 - ~~게시판 목록~~ ~~게시판 목록들이 나열되어 있는 페이지~~
 - ~~게시판 생성~~ ~~게시판을 생성하는 페이지~~
 - ~~게시판 수정~~ ~~게시판을 수정하는 페이지~~
 - ~~게시판~~ ~~게시판 메인 페이지~~
 - Task
 - ~~CRUD 구현~~
 - **JdbcTemplate** 을 사용하여 DB 에 접근
 - ~~엔티티 클래스 객체 생성 시 **Builder** 패턴 적용~~
 - **API 계층** JUnit 테스트 코드 작성

BoardController.java

```
package com.elice.boardproject.board.controller;

import com.elice.boardproject.board.dtos.*;
import com.elice.boardproject.board.entity.Board;
import com.elice.boardproject.board.service.BoardService;
import com.elice.boardproject.post.entity.Post;
import com.elice.boardproject.post.service.PostService;
import lombok.RequiredArgsConstructor;
import org.springframework.http.ResponseEntity;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.*;

import java.util.List;
```

```

@Controller
@RequestMapping("/boards")
@RequiredArgsConstructor
public class BoardController {

    private final BoardService boardService;
    private final PostService postService;

    // @GetMapping("/boards")
    // public String showBoard() {
    //     return "board/boards"; // HTML 템플릿 경로가 맞도록 수정
    // }

    // 게시판 생성 폼 페이지
    @GetMapping("/create")
    public String showCreateForm() {
        return "board/createBoard"; // HTML 템플릿 경로가 맞도록 수정
    }

    @PostMapping("/create")
    public String createBoard(@ModelAttribute BoardRequestDto boardRequestDto) {
        Board board = new Board();
        board.setTitle(boardRequestDto.getTitle());
        board.setDescription(boardRequestDto.getDescription());
        boardService.create(board);
        return "redirect:/boards";
    }

    // 게시판 목록 페이지
    @GetMapping
    public String getAllBoard(Model model) {
        List<Board> boards = boardService.findAll();
        model.addAttribute("boards", boards);
        return "board/boards";
    }

    // 개별 게시판 상세 페이지
    @GetMapping("/{id}")
    public String getBoardById(@PathVariable("id") Long id, Model model) {
        Board board = boardService.findById(id);
        model.addAttribute("board", board);
        model.addAttribute("posts", postService.findAllByBoardId(id));
        return "board/board";
    }

    @GetMapping("/edit/{id}")
    public String showUpdateForm(@PathVariable("id") Long id, Model model)
    {
        Board board = boardService.findById(id);
        if (board != null) {
            model.addAttribute("board", board);
            return "board/editBoard";
        } else {
            return "redirect:/boards";
        }
    }
}

```

```

    }
}

// 게시판 수정
@PostMapping("/edit/{id}")
public String updateBoard(@PathVariable("id") Long id, @ModelAttribute
BoardRequestDto boardRequestDto) {
    Board board = new Board();
    board.setId(id);
    board.setTitle(boardRequestDto.getTitle());
    board.setDescription(boardRequestDto.getDescription());
    boardService.update(board);
    return "redirect:/boards";
}

@DeleteMapping("/{id}")
public ResponseEntity<?> deleteBoard(@PathVariable("id") Long id) {
    boardService.delete(id);
    return ResponseEntity.ok().build();
}
}

```

Boards.html

```

<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
    <head>
        <meta charset="UTF-8" />
        <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.c
ss"
        rel="stylesheet"
        integrity="sha384-
T3c6CoIi6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN"
        crossorigin="anonymous"
        />
        <link
href="https://font.elice.io/css?family=Elice+DX+Neolli"
        rel="stylesheet"
        />
        <link
        rel="stylesheet"
href="https://fonts.googleapis.com/css2?family=Material+Symbols+Outlined:op
sz,wght,FILL,GRAD@24,400,0,0"
        />

        <style>
            html,
            body {
                font-family: "Elice DX Neolli", sans-serif;
            }

            .card {
                transition: all 0.1s ease-in-out;
            }

```



```

        <span
            class="card-text text-secondary text-wrap"
            th:text="${board.description}"
        >게시판 설명</span>
    >
</div>
<div
    class="position-absolute end-0 bottom-0 mb-3 me-3 btn-group
bg-white bg-opacity-75"
    role="group"
    aria-label="edit-delete"
>
    <button
        class="btn btn-outline-primary lh-1"
        th:onclick="'event.preventDefault();
location.href=\'/boards/edit/\' + ${board.id} + \'\''"
    >
        <span class="material-symbols-outlined"> edit </span>
    </button>
    <button
        class="btn btn-outline-danger lh-1"
        data-bs-toggle="modal"
        data-bs-target="#deleteModal"
        th:onclick="handleDeleteButton(event, [[${board.id}]]);"
    >
        <span class="material-symbols-outlined"> delete </span>
    </button>
</div>
</a>
</div>
</div>
</div>
<span
    th:if="${#lists.isEmpty(boards)}"
    class="d-block w-100 text-center"
>생성된 게시판이 없습니다.</span>
>
</div>
</div>

<div
    class="modal fade"
    id="deleteModal"
    tabindex="-1"
    aria-labelledby="deleteModalLabel"
    aria-hidden="true"
>
    <div class="modal-dialog">
        <div class="modal-content">
            <div class="modal-header">
                <h1 class="modal-title fs-5" id="deleteModalLabel">
                    게시판을 삭제하시겠습니까?
                </h1>
                <button
                    type="button"
                    class="btn-close"
                    data-bs-dismiss="modal"
                    aria-label="Close"

```

```

        ></button>
    </div>
    <div class="modal-body">
        <p class="fw-light">게시판에 포함된 모든 게시글이 삭제됩니다.</p>
    </div>
    <div class="modal-footer">
        <button
            type="button"
            class="btn btn-secondary"
            data-bs-dismiss="modal"
        >
            취소
        </button>
        <button
            type="button"
            class="btn btn-danger"
            onclick="handleDeleteModalButton()"
        >
            삭제
        </button>
    </div>
</div>
</div>
</div>
</div>
<script th:inline="javascript">
    let currentBoard;

    function handleDeleteButton(e, boardId) {
        e.preventDefault();
        currentBoard = boardId;
    }

    function handleDeleteModalButton() {
        fetch(`/boards/${currentBoard}`, {
            method: "DELETE",
        }).then(response => {
            if (response.ok) {
                window.location.href = "/boards";
            } else {
                alert('게시판 삭제에 실패했습니다.');

```

```

        crossorigin="anonymous"
    ></script>
</body>
</html>

```

createBoard.html

```

<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
    <head>
        <meta charset="UTF-8" />
        <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.c
ss"
        rel="stylesheet"
        integrity="sha384-
T3c6CoIi6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN"
        crossorigin="anonymous"
        />
        <link
        href="https://font.elice.io/css?family=Elice+DX+Neolli"
        rel="stylesheet"
        />

        <style>
            html,
            body {
                font-family: "Elice DX Neolli", sans-serif;
            }
        </style>
        <title>게시판 생성</title>
    </head>
    <body>
        <div class="container my-5">
            <div class="header mb-5">
                <h1 class="text-center">게시판 생성</h1>
            </div>
            <form th:action="@{/boards/create}" method="post">
                <div class="mb-3">
                    <label for="title">게시판 이름</label>
                    <input
                        type="text"
                        class="form-control"
                        id="title"
                        name="title"
                        maxlength="20"
                        placeholder="게시판 이름 입력 (최대 20 자) "
                        required
                    />
                </div>
                <div class="mb-3">
                    <label for="description">게시판 설명</label>
                    <textarea
                        class="form-control"

```

```

        id="description"
        name="description"
        maxlength="200"

        placeholder="게시판 설명 입력 (최대 200 자) "
    ></textarea>
</div>

<button type="submit" class="btn btn-primary">게시판 추가</button>
<button
    type="button"
    class="btn btn-secondary"
    onclick="window.history.back();"
>
    취소
</button>
</form>
</div>

<!-- 부트스트랩 JS 추가 -->
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.
min.js"
    integrity="sha384-
C6RzsynM9kWDrmNeT87bh95OGNyZPhcTNXj1NW7RuBCsyN/o0jlpcV8Qyq46cDfL"
    crossorigin="anonymous"
></script>
</body>
</html>

```

Board.html

```

<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
    <head>
        <meta charset="UTF-8" />
        <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.c
ss"
            rel="stylesheet"
            integrity="sha384-
T3c6CoIi6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN"
            crossorigin="anonymous"
        />
        <link
            href="https://font.elice.io/css?family=Elice+DX+Neolli"
            rel="stylesheet"
        />
        <link
            rel="stylesheet"
href="https://fonts.googleapis.com/css2?family=Material+Symbols+Outlined:op
sz,wght,FILL,GRAD@24,400,0,0"
        />

    <style>

```



```

<style>
  html,
  body {
    font-family: "Elice DX Neolli", sans-serif;
  }
</style>
<title>게시판 수정</title>
</head>
<body>
  <div class="container my-5">
    <div class="header mb-5">
      <h1 class="text-center">게시판 수정</h1>
    </div>
    <form th:action="@{/boards/edit/{id} (id=${board.id})}" method="post"
    >
      <div class="mb-3">
        <label for="title">게시판 이름</label>
        <input
          type="text"
          class="form-control"
          id="title"
          name="title"
          maxlength="20"

          placeholder="게시판 이름 입력 (최대 20 자) "
          required
          th:value="${board.title}"
        />
      </div>
      <div class="mb-3">
        <label for="description">게시판 설명</label>
        <textarea
          class="form-control"
          id="description"
          name="description"
          maxlength="200"

          placeholder="게시판 설명 입력 (최대 200 자) "
          th:text="${board.description}"
        ></textarea>
      </div>

      <button type="submit" class="btn btn-primary">게시판 수정</button>
      <button
        type="button"
        class="btn btn-secondary"
        onclick="window.history.back();"
      >
        취소
      </button>
    </form>
  </div>

  <!-- 부트스트랩 JS 추가 -->
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.

```

```
min.js"
  integrity="sha384-
C6RzsynM9kWDrMNeT87bh95OGNyZPhcTNXj1NW7RuBCsyN/o0jlpcV8Qyq46cDfL"
  crossorigin="anonymous"
></script>
</body>
</html>
```