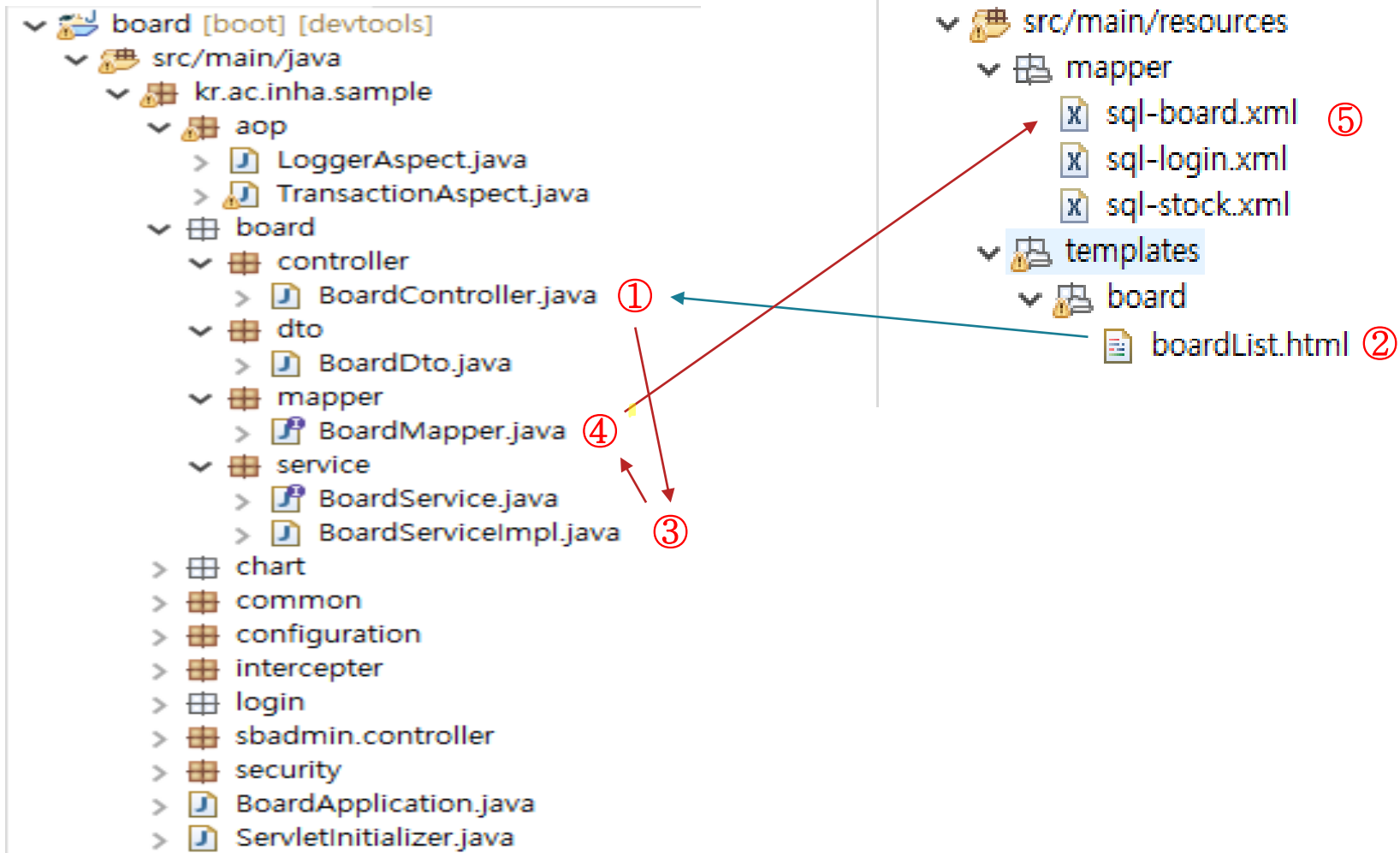




Spring Boot

소프트웨어융합공학과
웹서버 프로그래밍
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MVC 모델 호출 순서



Controller 작성

```
/board/src/main/java/kr/ac/inha/board/board/controller/BoardController.java

@RequestMapping("/board/openBoardWrite.do")
public String openBoardWrite() throws Exception{
    return "/board/boardWrite";
}

@RequestMapping("/board/insertBoard.do")
public String insertBoard(BoardDto board) throws Exception{
    boardService.insertBoard(board);
    return "redirect:/board/openBoardList.do";
}

@RequestMapping("/board/openBoardDetail.do")
public ModelAndView openBoardDetail(@RequestParam int boardIdx) throws Exception{
    ModelAndView mv = new ModelAndView("/board/boardDetail");

    BoardDto board = boardService.selectBoardDetail(boardIdx);
    mv.addObject("board", board);

    return mv;
}

@RequestMapping("/board/updateBoard.do")
public String updateBoard(BoardDto board) throws Exception{
    boardService.updateBoard(board);
    return "redirect:/board/openBoardList.do";
}

@RequestMapping("/board/deleteBoard.do")
public String deleteBoard(int boardIdx) throws Exception{
    boardService.deleteBoard(boardIdx);
    return "redirect:/board/openBoardList.do";
}
```

Service 작성

```
/board/src/main/java/kr/ac/inha/board/board/service/BoardService.java
```

```
void insertBoard(BoardDto board) throws Exception;  
BoardDto selectBoardDetail(int boardIdx) throws Exception;  
void updateBoard(BoardDto board) throws Exception;  
void deleteBoard(int boardIdx) throws Exception;
```

```
/board/src/main/java/kr/ac/inha/board/board/service/BoardServiceImpl.java
```

```
...
```

```
@Override
```

```
public void insertBoard(BoardDto board) throws Exception {  
    boardMapper.insertBoard(board);  
}
```

```
@Override
```

```
public BoardDto selectBoardDetail(int boardIdx) throws Exception{  
    BoardDto board = boardMapper.selectBoardDetail(boardIdx);  
    boardMapper.updateHitCount(boardIdx);  
  
    return board;  
}
```

```
@Override
```

```
public void updateBoard(BoardDto board) throws Exception {  
    boardMapper.updateBoard(board);  
}
```

```
@Override
```

```
public void deleteBoard(int boardIdx) throws Exception {  
    boardMapper.deleteBoard(boardIdx);  
}
```



Mapper 작성



```
/board/src/main/java/kr/ac/inha/board/board/mapper/BoardMapper.java
```

```
void insertBoard(BoardDto board) throws Exception;
```

```
BoardDto selectBoardDetail(int boardIdx) throws Exception;
```

```
void updateHitCount(int boardIdx) throws Exception;
```

```
void updateBoard(BoardDto board) throws Exception;
```

```
void deleteBoard(int boardIdx) throws Exception;
```



SQL 작성

/board/src/main/resources/mapper/sql-board.xml

```
<insert id="insertBoard" parameterType="board.board.dto.BoardDto" useGeneratedKeys="true" keyProperty="boardIdx">
```

```
  <![CDATA[
```

```
    INSERT INTO t_board
```

```
    (
```

```
      title,  
      contents,  
      created_datetime,  
      creator_id
```

```
    )
```

```
  VALUES
```

```
  (
```

```
    #{title},  
    #{contents},  
    NOW(),  
    'admin'
```

```
  )
```

```
]]>
```

```
</insert>
```

```
<select id="selectBoardDetail" parameterType="int" resultType="board.board.dto.BoardDto">
```

```
  <![CDATA[
```

```
    SELECT
```

```
      board_idx, title, contents, hit_cnt, DATE_FORMAT(created_datetime, '%Y.%m.%d %H:%i:%s') AS created_datetime, creator_id
```

```
    FROM
```

```
      t_board
```

```
    WHERE
```

```
      board_idx = #{boardIdx}  
      AND deleted_yn = 'N'
```

```
]]>
```

```
</select>
```

SQL 작성

```
<update id="updateHitCount" parameterType="int">
  <![CDATA[
    UPDATE
      t_board
    SET
      hit_cnt = hit_cnt + 1
    WHERE
      board_idx = #{boardIdx}
  ]]>
</update>
```

```
<update id="updateBoard" parameterType="kr.ac.inha.board.dto.BoardDto">
  <![CDATA[
    UPDATE t_board
    SET title = #{title},
      contents = #{contents},
      updated_datetime = Now(),
      updater_id = 'admin'
    WHERE
      board_idx = #{boardIdx}
  ]]>
</update>
```

```
<update id="deleteBoard" parameterType="int">
  <![CDATA[
    UPDATE t_board
    SET deleted_yn = 'Y',
      updated_datetime = Now(),
      updater_id = 'admin'
    WHERE
      board_idx = #{boardIdx}
  ]]>
</update>
```

boardWrite.html 작성

```
/board/src/main/resources/templates/board/boardWrite.html
```

```
<!DOCTYPE html>
<html lang="ko" xmlns:th="http://www.thymeleaf.org">
<head>
<meta charset="UTF-8">
<title>board</title>
<link rel="stylesheet" th:href="@{/css/style.css}"/>
</head>
<body>
<div class="container">
  <h2>게시글 등록</h2>
  <form id="frm" name="frm" method="post" action="/board/insertBoard.do">
    <table class="board_detail">
      <tr>
        <td>제목</td>
        <td><input type="text" id="title" name="title"/></td>
      </tr>
      <tr>
        <td colspan="2">
          <textarea id="contents" name="contents"></textarea>
        </td>
      </tr>
    </table>
    <input type="submit" id="submit" value="저장" class="btn">
  </form>
</div>
</body>
</html>
```


boardDetail.html 작성

/board/src/main/resources/templates/board/boardDetail.html

```
<!DOCTYPE html><!DOCTYPE html>
<html lang="ko" xmlns:th="http://www.thymeleaf.org">
<head>
<meta charset="UTF-8">
<title>게시글 상세 화면</title>
<link rel="stylesheet" th:href="@{/css/style.css}"/>
</head>
<body>
<div class="container">
<h2>게시글 상세 화면</h2>
    <form id="frm" method="post">
        <table class="board_detail">
<colgroup>
<col width="15%"/>
<col width="35%"/>
<col width="15%"/>
<col width="35%"/>
</colgroup>
<caption>게시글 상세내용</caption>
<tbody>
<tr>
<th scope="row">글 번호</th>
<td th:text="${board.boardIdx}"></td>
<th scope="row">조회수</th>
<td th:text="${board.hitCnt}"></td>
</tr>
<tr>
<th scope="row">작성자</th>
<td th:text="${board.creatorId}"></td>
<th scope="row">작성일</th>
<td th:text="${board.createdDatetime }"></td>
</tr>
```

boardDetail.html 작성

```
<tr>
<th scope="row">제목</th>
<td colspan="3"><input type="text" id="title" name="title" th:value="${board.title }"/></td>
</tr>
<tr>
<td colspan="4" class="view_text">
<textarea title="내용" id="contents" name="contents" th:text="${board.contents }"></textarea>
</td>
</tr>
</tbody>
</table>
<input type="hidden" id="boardIdx" name="boardIdx" th:value="${board.boardIdx }">
</form>

<a href="#this" id="list" class="btn">목록으로</a>
<a href="#this" id="edit" class="btn">수정하기</a>
<a href="#this" id="delete" class="btn">삭제하기</a>
</div>
```

boardDetail.html 작성

```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
<script type="text/javascript">
$(document).ready(function(){
$("#list").on("click", function(){
location.href = "/board/openBoardList.do";
});

$("#edit").on("click", function(){
var frm = $("#frm")[0];
frm.action = "/board/updateBoard.do";
frm.submit();
});

$("#delete").on("click", function(){
var frm = $("#frm")[0];
frm.action = "/board/deleteBoard.do";
frm.submit();
});
});
</script>
</body>
</html>
```