PPT PRESENTATION

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3조 미니 프로젝트

여행 리뉴

프로젝트 주제	여행 리뷰 ?	
주제 선정이유	가장 자신있는 부분들 합쳐서 협의함.	
프로젝트 기간	2021/11/22 ~ 2021/12/03 약 2주일간.	
	OS = Windows 10	
개발 환경	Language = JAVA 11, HTML, CSS, Ajax, Vue.js, JQuery	
	Tool = IntelliJ IDEA 2021.2.3 / Community / Ultimate	
	SpringBoot 2.5.6 / Gradle Project / Thymeleaf / sockjs / websocket / Lombok / devtools등등	
	DB = Oracle Database 10g	

팀장 정광수 (프론트, 백)

팀원 권기철 (프론트, 백)

팀원 이성찬 (프론트)

팀원 김지영 (프론트)

팀원 전재연 (프론트)

기획

주제 선정 및 정보 수집 팀원들의 역할 분배

디자인

구현 기술, 웹 사이트 디자인 구상

개발

권기철, 정광수 기반 DB,Controller 구현, 나머지 프론트

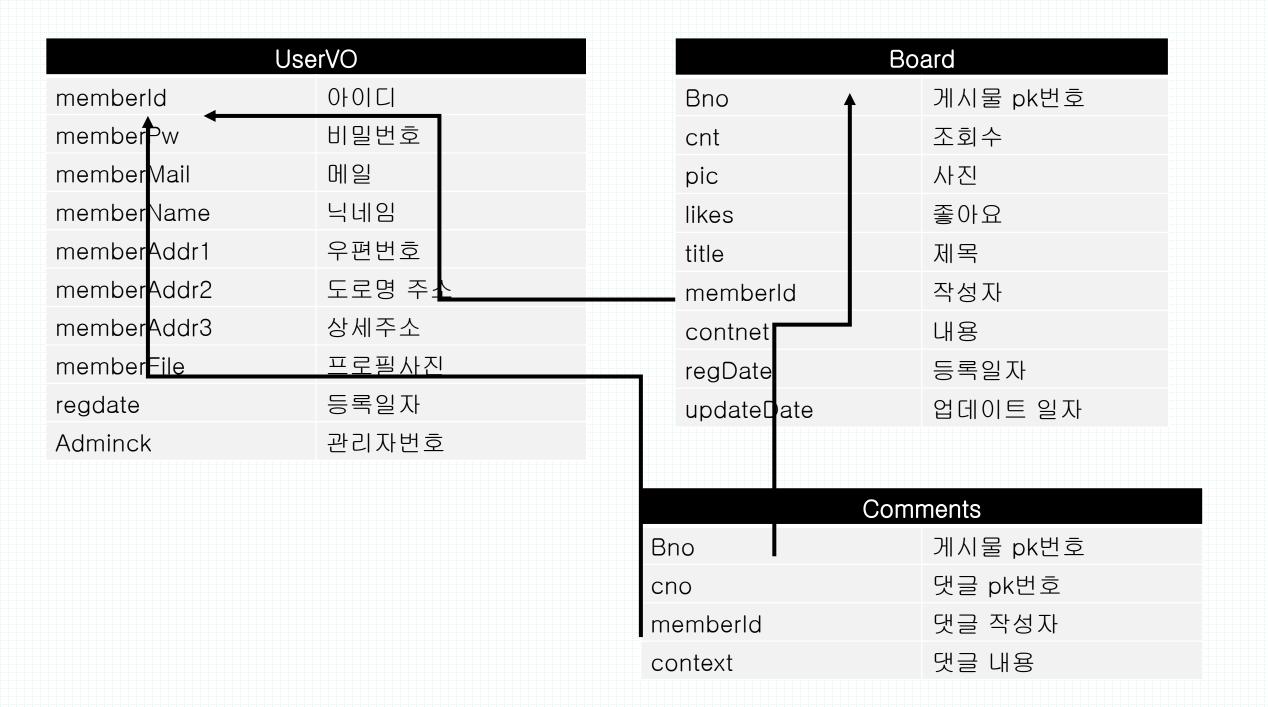
수정 및 보완

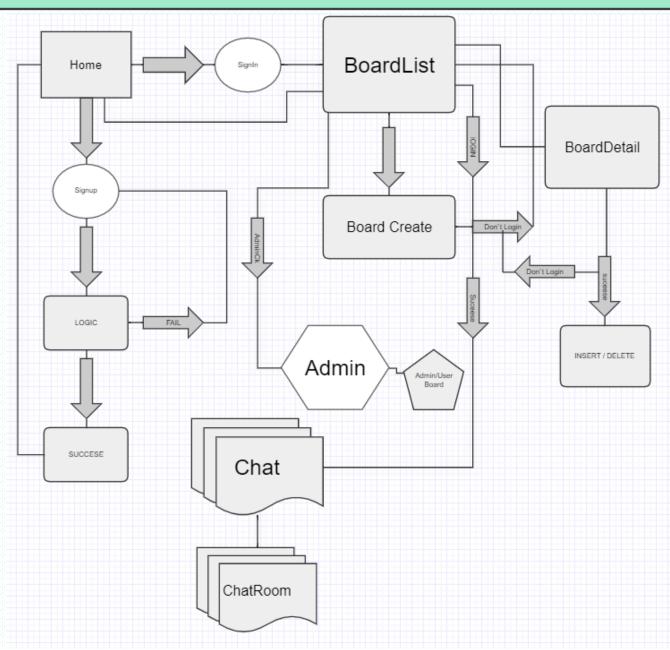
버그, 예외처리, 보안 강화

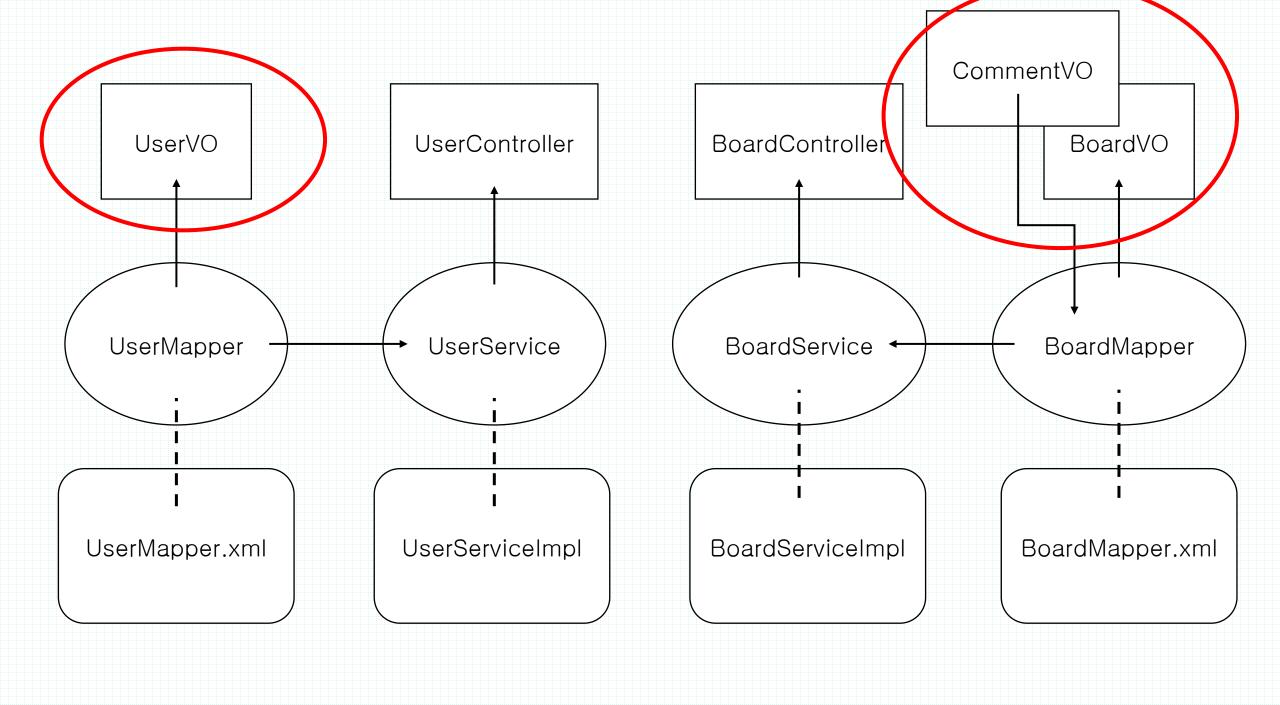
제출

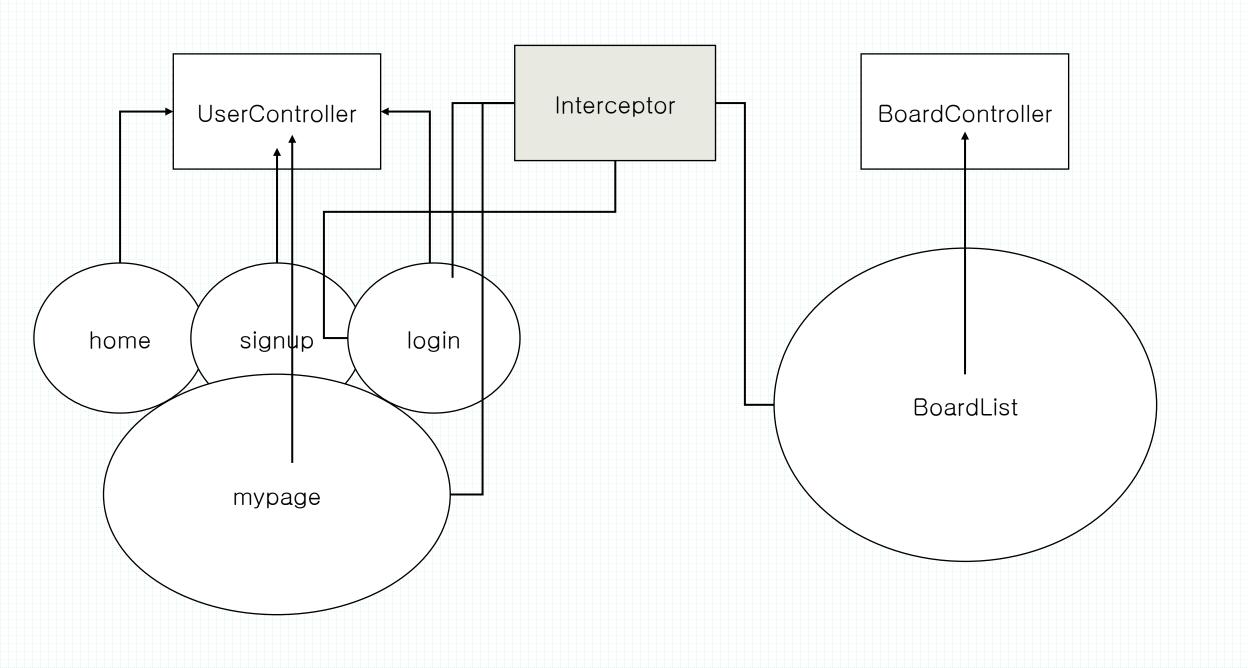
제출

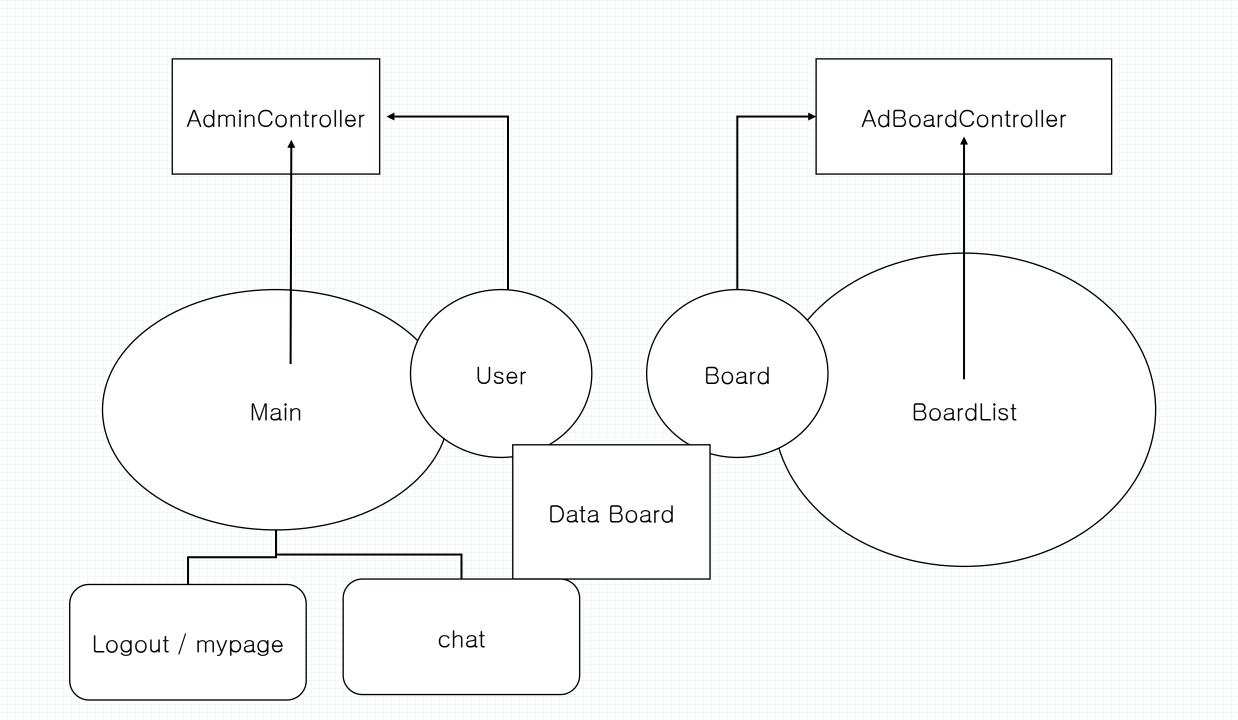
구분		지해내요	11월 21일 ~ 12월 3일			
		진행내용	11/23	11/27	12/1	12/3
	기획	• 컨텐츠 구상 및 정의	\longrightarrow			
디자인	웹 설계	• 웹페이지 구상 및 UI 상세 설계	→			
니사인	DB 설계	• 데이터베이스 상세 설계				
	데이터베이스 구현	• 유저 생성 및 데이터베이스 테이블 설계				
70.61	개발 UI구현	• UI 레이아웃 구현				
개월 		• 디자인 구현				
	컨트롤러 구현	• DAO 구현				→
		• 데이터 검증 메서드 구현				→
		• 페이지 연동				-
	수정 및 보완	• 예외 처리 및 버그 수정				
	제출	• 최종 검토 및 제출				











```
public void memberJoin(UserVO user);
// 아이디 중복 검사 Check
public int idCheck(String memberId);
public UserV0 UserLogin(UserV0 user);
public int UserUpdate(UserV0 user);
public void UserDelete(UserV0 user);
public List<UserVO> GetList(Criteria cri);
public UserVO GetUser(UserVO user);
public void adminUserdelete(String memberId);
public int CountUser(Criteria cri);
// 특정 유저 id
public int CountUserId(String memberId);
```

```
<![CDATA[
select memberId, memberName, memberMail, memberAddr1, memberAddr2
from (
select rownum as rn, memberId, memberName, memberMail, memberAddr1, memberAddr2
from mini_member
where rownum <= #{pageNum} * #{amount}

]]>

<if test="keyword != null">
and memberId like '%'||#{keyword}||'%'
</if>
<![CDATA[
)
where rn > (#{pageNum} - 1) * #{amount}
]]>
</select>
```

```
<select id="CountUser" resultType="int">

select count(*) from mini_member

<if test="keyword != null">

where memberId like '%'||#{keyword}||'%'

</if>
</select>
```

```
public interface UserService {
   public void memberJoin(UserVO vo);
   public int idCheck(String memberId);
   public UserV0 memberLogin(UserV0 user);
   public void memberUpdate(UserV0 user);
   public void memberDelete(UserV0 user);
   public List<UserVO> getUserList(Criteria cri);
 public UserVO getUser(UserVO user);
   public void UserDelete(String memberId);
   public int CountUser(Criteria cri);
   public int CountUserId(String memberId);
   public int CountBoard();
   public int CountComment();
   List<BoardVO> getMyBoard(Criteria cri);
    int selectBoardListCnt(Criteria cri);
```

```
@Override
public int CountUserId(String memberId) { return userMapper.CountUserId(memberId); }

@Override
public int CountBoard() { return userMapper.CountBoard(); }

@Override
public int CountComment() { return userMapper.CountComment(); }

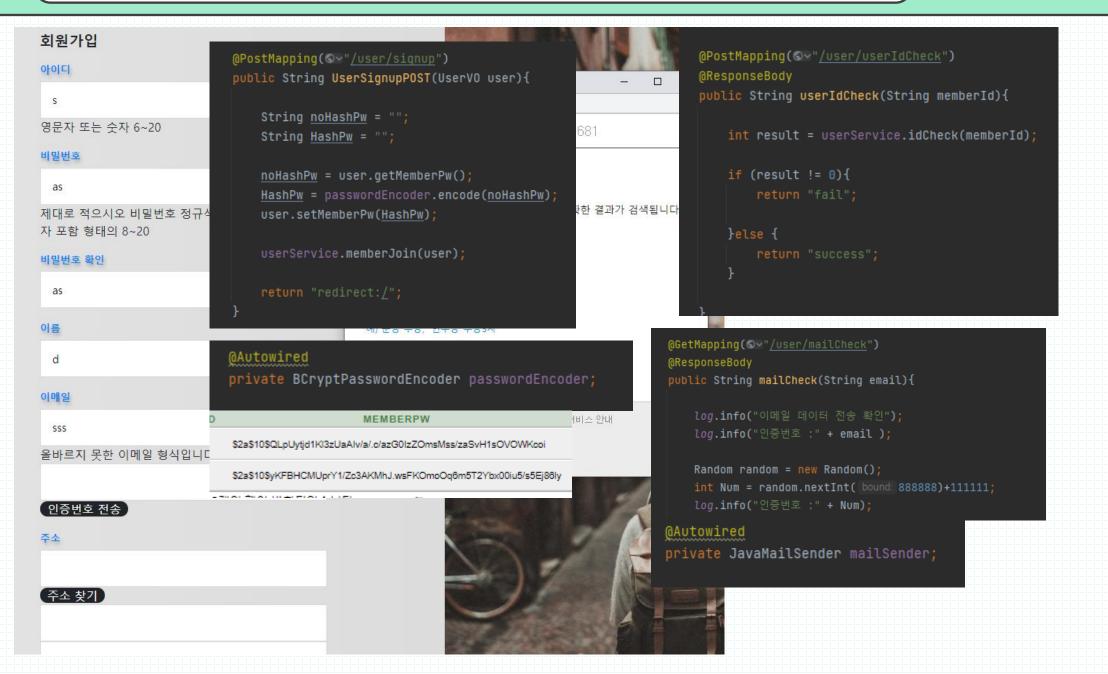
@Override
public List<BoardVO> getMyBoard(Criteria cri) { return userMapper.getMyBoard(cri); }

@Override
public int selectBoardListCnt(Criteria cri) { return userMapper.selectBoardListCnt(cri); }
```





```
// 홈 화면
@GetMapping(⊙∨"/")
public String hello(){
return "hello";
}
```



```
// 유효성 검사

let idCheck = false;
let idckCheck = false;
let pwCheck = false;
let pwckCheck = false;
let pwckCheck = false;
let nameCheck = false;
let mailCheck = false;
let mailnumCheck = false;
let addressCheck = false;
```

```
$.ajax({

   type: "GET",
   url:"/user/mailCheck?email="+email,
   success:function (data){
      checkBox.attr("disabled", false);
      boxWrap.attr("id","mail_check_input_box_true");
      code = data;
   }
});
```

```
if(idCheck&&idckCheck&&pwCheck&&pwckCheck&&pwckckCheck&&nameCheck&&mailCheck&&mailnumCheck&&addressCheck){
    $("#signup_form").attr("action","/user/signup");
    $("#signup_form").submit();
}
```

Welcome Aboard

지금 로그인하셔서 사람들과 함께 즐거운 여행을 떠나 세요!





ID를 입력하세요



PW를 입력하세요

로그인

```
@PostMapping(@v"/user/login.do")
public String UserLoginForm(HttpServletRequest request, UserVO user, RedirectAttributes rttr){
   // 저장하는 방법을 제공한다.
    HttpSession session = request.getSession();
   String noHashPw = "";
   String <u>HashPw</u> = "";
   UserVO vo = userService.memberLogin(user);
   if (vo == null){
       int result = 0;
       rttr.addFlashAttribute( attributeName: "result" ,result);
       noHashPw = user.getMemberPw();
       HashPw = vo.getMemberPw();
       if(true == passwordEncoder.matches(noHashPw, HashPw)){
           vo.setMemberPw("");
           session.setAttribute( name: "member", vo);
           session.setAttribute( name: "id", vo.getMemberId());
```

```
@Mapper
public interface BoardMapper {
   // 글 등록
    void insertBoard(BoardV0 board);
   // 글 수정 bno를 이용 title.content 수정가능
    void updateBoard(BoardVO board);
   void deleteBoard(BoardV0 board);
   BoardVO getBoard(BoardVO board);
   // 전체 보기
   List<BoardVO> getBoardList(BoardVO board);
   List<BoardVO> getPage(Criteria cri);
   public int selectBoardListCnt(Criteria cri);
   void read(BoardV0 board);
   // 댓글 등록
   void insertComment(CommentV0 comment);
   List<CommentV0> getCommentList(BoardV0 board);
   void deleteComment(CommentV0 comment);
```

```
@Service("boardService")
oublic class BoardServiceImpl implements BoardService{
   @Autowired
   private BoardMapper boardMapper;
   @Override
   public List<BoardV0> getBoardList(BoardV0 board) { return boardMapper.getBoardList(board); } kwon, 2021
   @Override
   public BoardV0 getBoard(BoardV0 board) {return this.boardMapper.getBoard(board);}
   @Override
   public void insertBoard(BoardVO board) { this.boardMapper.insertBoard(board); }
   @Override
   public void deleteBoard(BoardVO board) { this.boardMapper.deleteBoard(board); }
   @Override
   public void updateBoard(BoardVO board) { this.boardMapper.updateBoard(board); }
   @Override
   public List<BoardVO> getPage(Criteria cri) { return this.boardMapper.getPage(cri); }
   @Override
   public int selectBoardListCnt(Criteria cri) { return this.boardMapper.selectBoardListCnt(cri); }
   @Override
   public void read(BoardVO board) { this.boardMapper.read(board); }
   @Override
   public void insertComment(CommentVO comment) { this.boardMapper.insertComment(comment); }
   @Override
   public List<CommentV0> getCommentList(BoardV0 board) { return this.boardMapper.getCommentList(board); }
   public void deleteComment(CommentV0 comment) { this.boardMapper.deleteComment(comment); }
```

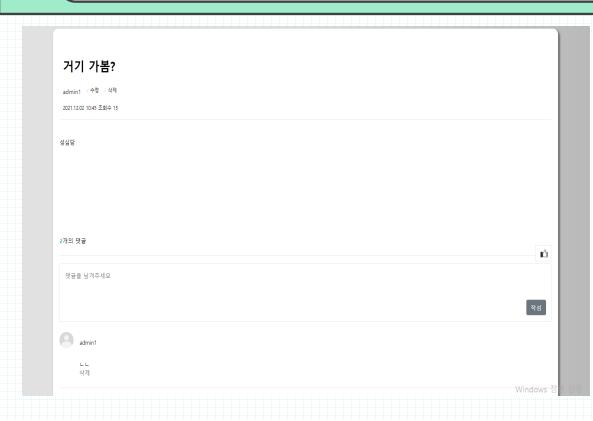


Windows 정품 인증 [설정]으로 이동하여 Win

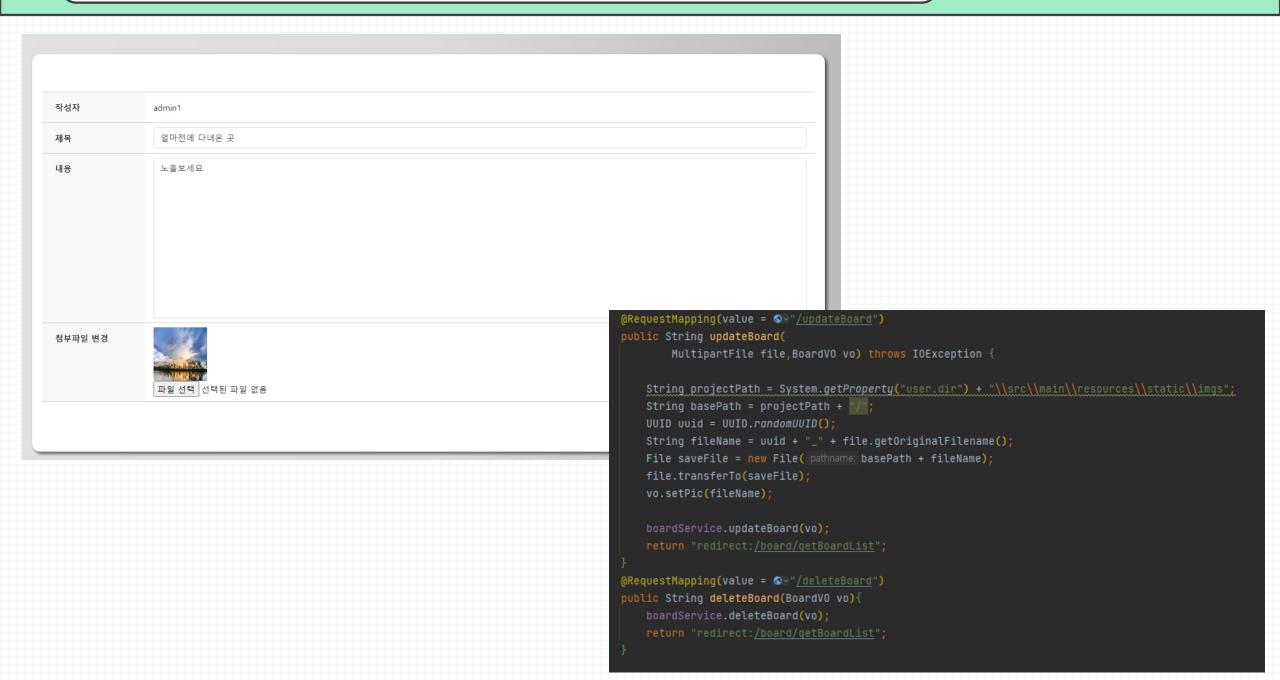
처음 1 2 마지막

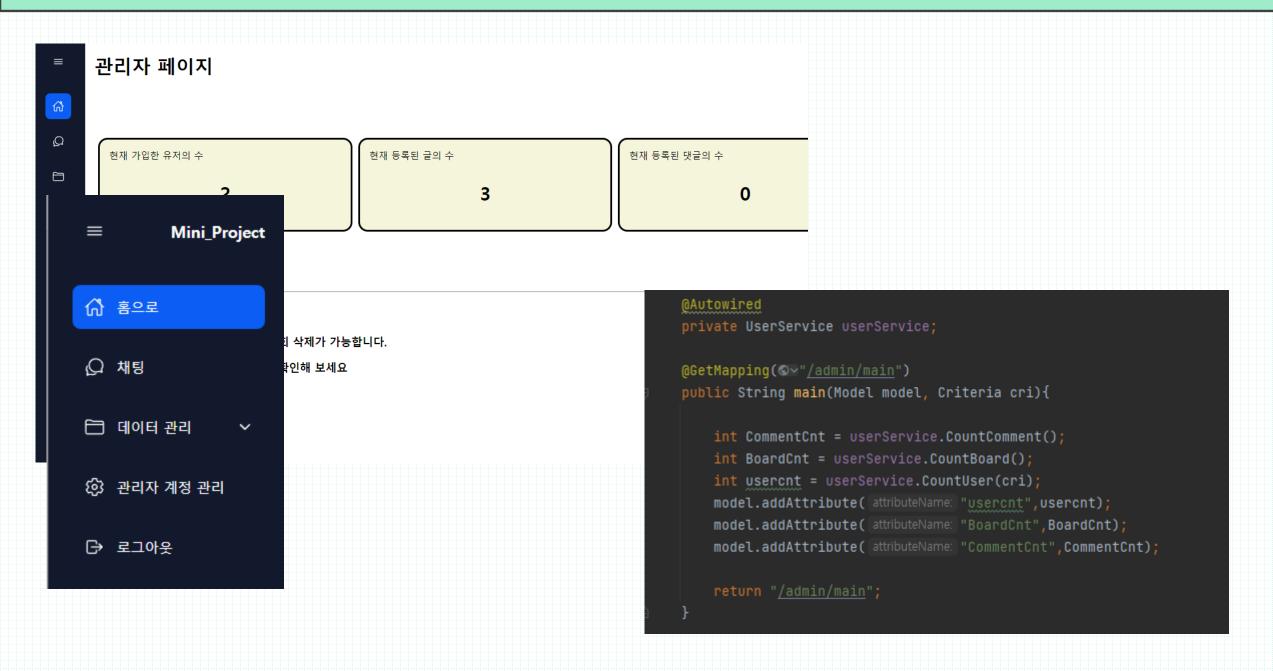
작성자	admin1
제목	
내용	
첨부파일	파일 선택 선택된 파일 없음
	등록

```
@RequestMapping(value = @>"/insertBoard")
public String insertBoard(
       HttpServletRequest forSession, MultipartFile file, BoardVO vo) throws IOException {
   if(file != null){
       String projectPath = System.getProperty("user.dir") + "\\src\\main\\resources\\static\\imgs";
       String basePath = projectPath + "/";
       UUID uvid = UUID.randomUUID();
       String fileName = uuid + "_" + file.getOriginalFilename();
       File saveFile = new File( pathname: basePath + fileName);
       file.transferTo(saveFile);
       vo.setPic(fileName);
    HttpSession session = forSession.getSession();
    String id = (String) session.getAttribute( name: "id");
    vo.setMemberId(id); kwon, 2021-11-29 오전 9:47 · test
    boardService.insertBoard(vo);
    return "redirect:/board/qetBoardList";
```



```
// 댓글 등록 메소드
@RequestMapping(value=⊙~"insertComment")
public String insertBoard(CommentVO comment,
                         HttpServletRequest forSession){
   HttpSession session = forSession.getSession();
    String id = (String) session.getAttribute( name: "id");
   comment.setMemberId(id); kwon, 2021-11-30 오전 9:20 * plz
    boardService.insertComment(comment);
    return "redirect:/board/qetBoard?bno="+comment.getBno();
@RequestMapping(value=@>"deleteComment")
public String deleteComment(CommentV0 comment){
    this.boardService.deleteComment(comment);
    return "redirect:/board/getBoard?bno="+comment.getBno();
```







보드 리스트

제목✔	Search	검색하기

보드번호	제목	작성자	내용	작성날짜	조회수
242	얼마전에 다녀온 곳	admin1	노을보세요 봤어요?	2021-12-02 16:54	7
230	1	admin1	1	2021-12-01 16:24	62
229	20	admin1	20	2021-12-01 10:32	5
228	14	admin1	14	2021-12-01 09:43	1
227	13	admin1	13	2021-12-01 09:43	1
226	12	admin1	12	2021-12-01 09:43	3
225	11	admin1	11	2021-12-01 09:42	0
224	10	admin1	10	2021-12-01 09:42	0
223	9	admin1	9	2021-12-01 09:42	0
222	8	admin1	8	2021-12-01 09:42	0

처음 1 2 마지막

```
@RequestMapping(value = $\sime\' | admin/boardList'')
public String adminBoardList(Model model, Criteria c){
    int total = boardService.selectBoardListCnt(c);
    PageMakerV0 pMake=new PageMakerV0(c,total);
    model.addAttribute( attributeName: "pageMaker",pMake);
    model.addAttribute( attributeName: "boardList", boardService.getPage(c));
    return "admin/boardList";
```

≡

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Ω

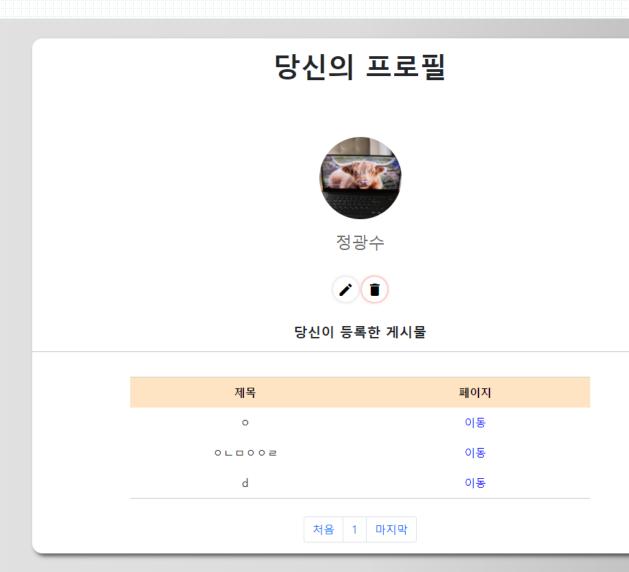
(g)

⊖

게시판 상세 정보

보드번호	242
제목	얼마전에 다녀온 곳
작성자	admin1
내용	노을보세요 봤어요?
작성날짜	2021-12-02 16:54
조회수	7
파일	
게시글 댓글 내용, 댓글 숫자 : 2개	댓글작성자
아뇨 댓글 삭제	admin1
네 댓글 삭제	admin1

```
@RequestMapping(value=⊙v"/admin/getBoard")
public String adminGetBoard(Model model, BoardVO vo){
   model.addAttribute( attributeName: "commentList", boardService.getCommentList(vo));
   model.addAttribute( attributeName: "board", boardService.getBoard(vo));
@RequestMapping(value = @>"/admin/boardDelete")
public String deleteBoard(BoardVO vo){
   boardService.deleteBoard(vo);
@RequestMapping(value=♥>"/admin/deleteComment")
public String deleteComment(CommentV0 comment){
    this.boardService.deleteComment(comment);
   return "redirect:/admin/getBoard?bno="+comment.getBno();
```



```
@GetMapping(@>"/user/mypage")
public String mypageGET(HttpServletRequest forSession,
                        Model model,
                        Criteria cri
                       ){
   HttpSession session = forSession.getSession();
   String id = (String) session.getAttribute( name: "id");
   cri.setMemberId(id);
   int total = userService.selectBoardListCnt(cri);
   PageMakerVO pMake=new PageMakerVO(cri,total);
   model.addAttribute( attributeName: "pageMaker",pMake);
   model.addAttribute( attributeName: "boardList", userService.getm
```

회원 정보 수

닉네임 변경

정광수

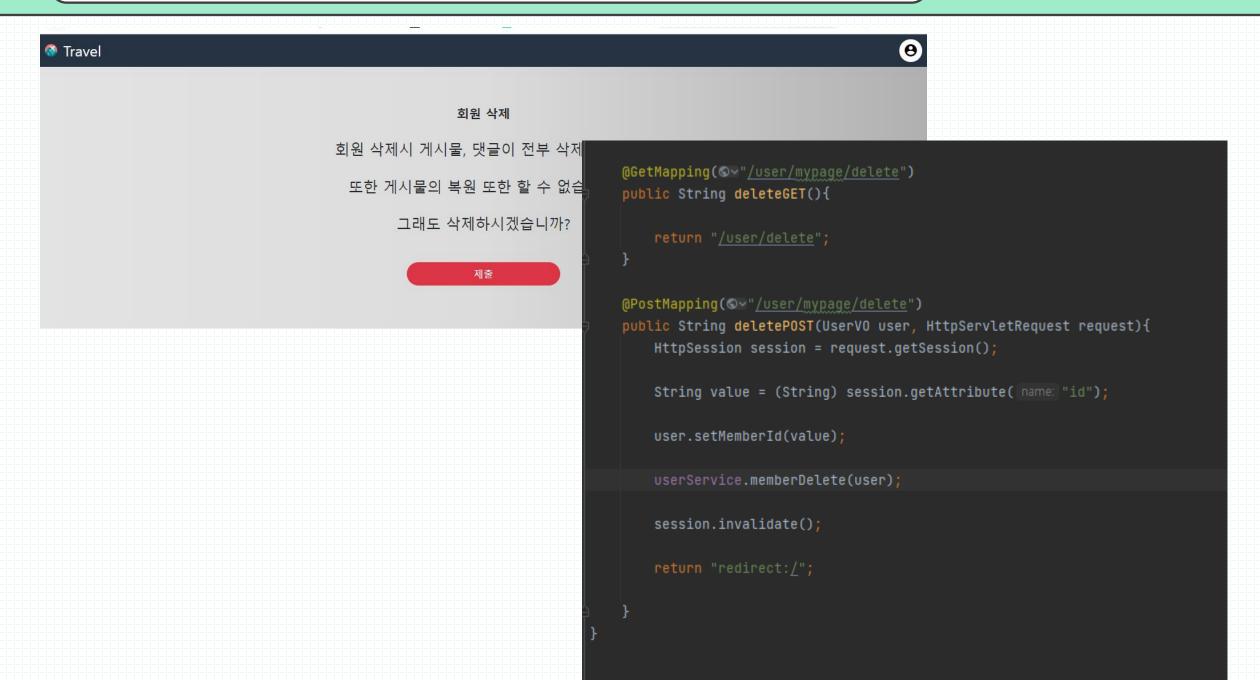
이메일

slwhswk@naver.com

파일 선택 선택된 파일 없음

제출

```
@PostMapping(@v"/user/mypage/modify")
public String mypagePOST(UserVO user, HttpServletRequest request, MultipartFile file) throws IOException {
    HttpSession session = request.getSession();
   String projectPath = System.getProperty("user.dir") +"\\src\\main\\resources\\static\\img";
    String basePath = projectPath + "/";
    UUID uuid = UUID.randomUUID();
   String fileName = uvid + "_" + file.getOriginalFilename();
    File saveFile = new File( pathname: basePath + fileName);
    file.transferTo(saveFile);
    user.setMemberFile(fileName);
   String value = (String) session.getAttribute( name: "id");
    user.setMemberId(value);
    userService.memberUpdate(user);
    session.setAttribute( name: "member", user);
    session.setAttribute( name: "id", user.getMemberId());
```



```
@GetMapping(©≥"/admin/userList")
public String userList(Model model, Criteria cri){
    int CntUser = userService.CountUser(cri);
    PageMakerVO pageMake = new PageMakerVO(cri, CntUser);
   model.addAttribute( attributeName: "list", userService.getUserList(cri));
   model.addAttribute( attributeName: "pageMaker",pageMake);
@GetMapping(@>"admin/getuser")
public String getUserPageGET(UserVO user, Model model, Criteria cri){
    int CntUser = userService.CountUser(cri);
    PageMakerVO pageMake = new PageMakerVO(cri, CntUser);
   model.addAttribute( attributeName: "countboard", userService.CountUserId(user.getMemberId()));
   model.addAttribute( attributeName: "userget", userService.getUser(user));
    model.addAttribute( attributeName: "pageMaker", pageMake);
```

SockJs

WebSocket의 불안정성

1.WebSocket2.Http Streaming3.Http Long Polling

Reference https://dev-gorany.tistory.com/224

Stomp (S)

Stomp는 메시지 전송을 효율적으로

Publisher / Subscribe 개발자가 명확히 구분히 가능함

STOMP 프로토콜은 WebSocket 위에서 동작하는 프로토콜로써 클라이언트와 서 버가 전송할 메세지의 유형, 형식, 내용들 을 정의하는 매커니즘

Reference https://dev-gorany.tistory.com/235



시스템 메모리를 사용하는 키-값 데이터 스토어

채팅 Publisher와 Subscribe를 따로 구분하고 서버를 꺼도 유지가 될 수 있게 Redis ,Stomp,SockJs를 사용해서 구현.

Reference

https://brunch.co.kr/@skykamja24/575

특징

- 처리 속도가 매우 빠름
- 데이터가 메모리에만 저장
- 만료일 지정해서 삭제 가능
- 저장소 메모리 재사용 가능

```
@Slf4j //lombok
@Profile("localhost") // profile이 local일때만 활성화
@Configuration
public class EmbeddedRedisConfig {
   @Value("${spring.redis.port}")
   private int redisPort;
   private RedisServer redisServer;
   @PostConstruct
   public void redisServer() throws IOException {
       redisServer = new RedisServer(redisPort);
       redisServer.start();
   @PreDestroy
   public void stopRedis() {
       if (redisServer != null) {
           redisServer.stop();
```

```
@Configuration
public class RedisConfig {
    @Bean
    public RedisMessageListenerContainer redisMessageListener(RedisConnectionFactory connec
       RedisMessageListenerContainer container = new RedisMessageListenerContainer();
       container.setConnectionFactory(connectionFactory);
       return container;
    @Bean
    public RedisTemplate<String, Object> redisTemplate(RedisConnectionFactory connectionFac
       RedisTemplate<String, Object> redisTemplate = new RedisTemplate<>();
       redisTemplate.setConnectionFactory(connectionFactory);
       redisTemplate.setKeySerializer(new StringRedisSerializer());
       redisTemplate.setValueSerializer(new Jackson2JsonRedisSerializer<>(String.class));
       return redisTemplate;
```

```
spring.profiles.active=local
spring.redis.host=localhost
spring.redis.port=6379
```

채팅방 생성: pub / sub 구현을 위한 Topic이 생성됨

채팅방 입장 : Topic 구독

채팅방에서 메세지를 송수신 : 해당 Topic으로 메세지를 송신(pub), 메세지를 수신(sub)

```
@Getter
@Setter
public class ChatRoom implements Serializable {
   private String roomId;
   private String name;
   public static ChatRoom create(String name){
       ChatRoom chatRoom = new ChatRoom();
       chatRoom.roomId = UUID.randomUUID().toString();
       chatRoom.name = name;
       return chatRoom;
```

```
OGGETTER

public class ChatMessage {

public enum MessageType{

ENTER, TALK
}

private MessageType type;

private String roomId;

private String sender;

private String message;
}
```

채팅방 생성: pub / sub 구현을 위한 Topic이 생성됨

채팅방 입장 : Topic 구독

채팅방에서 메세지를 송수신 : 해당 Topic으로 메세지를 송신(pub), 메세지를 수신(sub)

```
@Service
@RequiredArgsConstructor
public class RedisPublisher {
    private final RedisTemplate<String, Object> redisTemplate;

    public void publish(ChannelTopic topic, ChatMessage message){
        redisTemplate.convertAndSend(topic.getTopic(), message);
    }
}
```

```
@Service
@paguiredArgsConstructor
public class RedisSubseriber implements MessageListener {

private final ObjectMapper objectMapper;
private final RedisTemplate redisTemplate;
private final SimpMessageSendingOperations messagingTemplate;

@Override
public void onMessage(Message message, byte[] pattern) {

try {

// redis@M/ 발행된 데이터를 받아 deserialize

String publishMessage = (String) redisTemplate.getStringSerializer().deserialize(message.getBody());

// ChatMessage 객체로 캠핑

ChatMessage roomMessage = objectMapper.readValue(publishMessage, ChatMessage.class);

// Websocket 구독자에게 채팅 에서지 Send
messagingTemplate.convertAndSend( destination: "/sub/chat/room/" + roomMessage.getRoomId(), roomMessage);
} catch (Exception e) {

log.error(e.getMessage());
}
}
```

```
@RequiredArgsConstructor
@Repository
public class ChatRoomRepository {
    private final RedisMessageListenerConta
                                           @RequiredArgsConstructor
    private final RedisSubseriber redisSubsaccontroller
                                           public class ChatController {
    private static final String CHAT_ROOMS
    private final RedisTemplate<String, Obj</pre>
                                               private final RedisPublisher redisPublisher;
    private HashOperations<String,String ,C
                                               private final ChatRoomRepository chatRoomRepository;
    private Map<String , ChannelTopic> topic
                                               @MessageMapping("/chat/message")
                                               public void message(ChatMessage message) {
                                                   if (ChatMessage.MessageType.ENTER.equals(message.getType())){
                                                       chatRoomRepository.enterChatRoom(message.getRoomId());
                                                       message.setMessage(message.getSender() + "님이 입장하셨습니다.");
     Pub/chat/message
                                                   redisPublisher.publish(chatRoomRepository.getTopic(message.getRoomId()), message);
```

Q Interceptor

```
public boolean preHandle(HttpServletRequest request, HttpServletResponse response, Object handler) throws Exception
   HttpSession session = request.getSession();
   UserV0 user = (UserV0) session.getAttribute( name: "member");
       response.sendRedirect(|location: "/board/getBoardList");
```

```
public class WebConfig implements WebMvcConfigurer {
   private final static String adminHttp = "/admin/**";
   private final static String LoginHttp = "/user/login.do";
   private final static String MypageHttp = "/user/mypage/**";
   private final static String insertBoardHttp = "/board/goInsert";
   private final static String UserHttp = "/user/**";
   private final static String commentHttp = "/board/insertComment";
   public void addInterceptors(InterceptorRegistry registry) {
       registry.addInterceptor(new AdminInterceptor()).addPathPatterns(adminHttp);
       registry.addInterceptor(new LoginInterceptor()).addPathPatterns(LoginHttp);
       registry.addInterceptor(new MypageInterceptor())
               .addPathPatterns(MypageHttp)
               .addPathPatterns("/chat/**")
                .addPathPatterns(insertBoardHttp);
       registry.addInterceptor(new BoardInterceptor()).addPathPatterns(commentHttp);
       registry.addInterceptor(new UserInterceptor())
                .addPathPatterns("/user/login")
               .addPathPatterns("/user/signup");
```