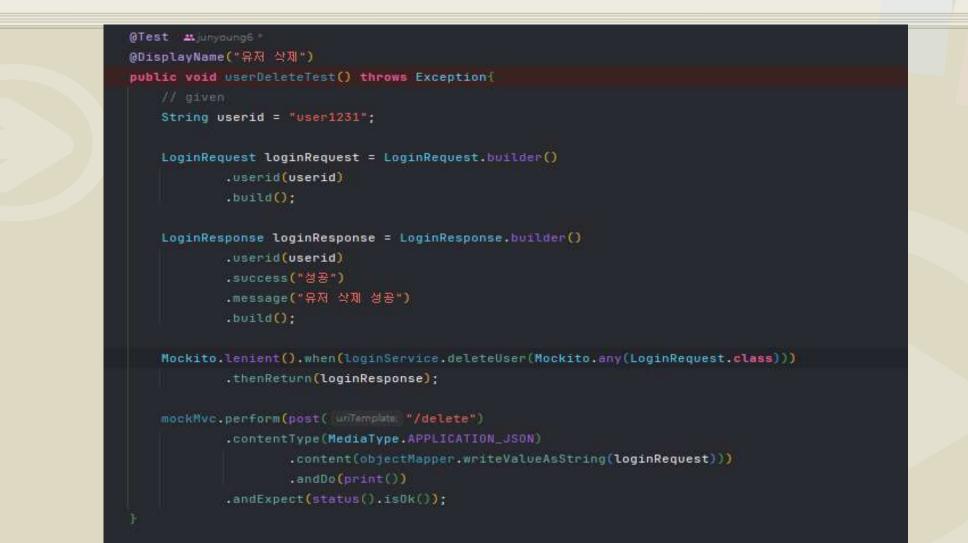
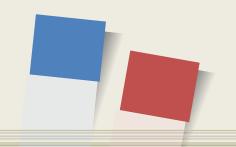
# 정처산기시험

### 유저 삭제 Controller Test 코드



### 유저 삭제 Controller 코드



```
@PostMapping("/delete") no usages new *
@ResponseBody
public ResponseEntity<LoginResponse> delete (@RequestBody LoginRequest loginRequest){
    return ResponseEntity.ok(loginService.deleteUser(loginRequest));
}
```

### 유저 삭제 Controller Test Console



```
✓ € Test Results

Session Attrs = {}

C Tests passed: 1 of 1 test - 593 ms

C Tests passed: 1 of 1 test - 593 ms

MockHttpServletRequest:

HTTP Method = POST

Request URI = /delete

Parameters = {}

Headers = [Content-Type: "application/json; charset=UTF-8", Content-Length: "83"]

Body = {"userid": "user1231", "password": null, "role": null, "provider": null, "providerId": null}
```

```
MockHttpServletResponse:
          Status = 200
   Error message = null
          Headers = [Content-Type: application/json", X-Content-Type-Options: nosniff", X-XSS-Protection: "0", Cache-Control: no-cache, no-store, max-age=0, must-revalidate", Pragma: no-cache", Expires: "0"
     Content type = application/json
            Body = {"userid":null,"username":null,"success":null,"message":"삭제 성공: user1231의 유저가 삭제되었습니다."}
   Forwarded URL = null
   Redirected URL = null
         Cookies = []
2024-12-19711:29:48.444+09:00 INFO 14788 --- [project] [ionShutdownHook] j.LocalContainerEntityManagerFactoryBean : Closing JPA EntityManagerFactory for persistence unit 'default'
2024-12-19T11:29:48.446+09:00 INFO 14788 --- [project] [ionShutdownHook] com.zaxxer.hikari.HikariDataSource
                                                                                                                  : HikariPool-1 - Shutdown initiated...
2024-12-19711:29:48.449+09:00 INFO 14788 --- [project] [ionShutdownHook] com.zaxxer.hikari.HikariDataSource
                                                                                                                  : HikariPool-1 - Shutdown completed.
> Task :test
[Incubating] Problems report is available at: file:///C:/Users/Administrator/Downloads/eddd/TripPlanner/build/reports/problems/problems-report.html
BUILD SUCCESSFUL in 9s
4 actionable tasks: 2 executed, 2 up-to-date
오전 11:29:48: Execution finished ':test --tests "com.tripPlanner.project.domain.login.controller.LoginControllerTest.userDeleteTest"'.
```

# 유저 삭제 Service Test 코드

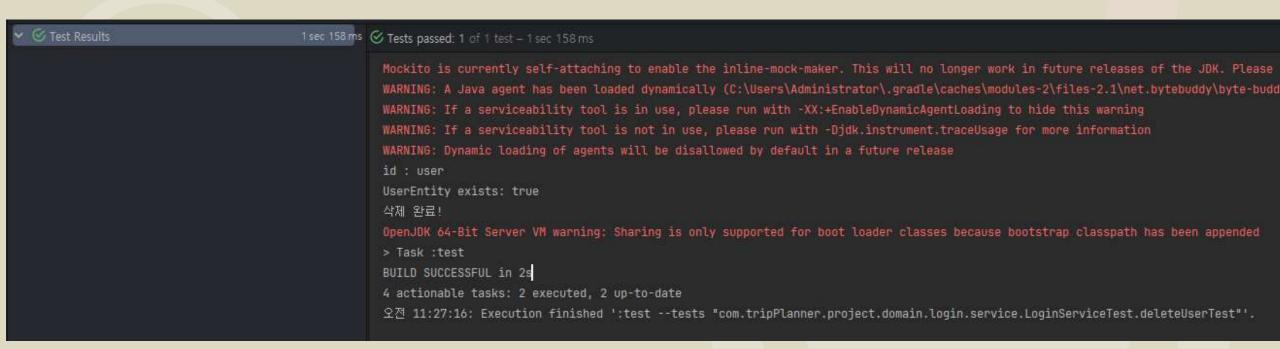
```
@Test A junyaung6 "
@DisplayName("뮤저 삭제 테스트")
void deleteUserTest() {
   String userid = "user";
   LoginRequest loginRequest = LoginRequest.builder()
           .userid(userid)
           .build():
   UserEntity user = UserEntity.builder()
           .userid(userid)
           .build():
   when (userRepository.findByUserid(userid)).thenReturn(Optional.of(user));
   // deleteByUserid기 정상적으로 호출되도록 모팅
   doNothing().when(userRepository),deleteByUserid(userid);
   LoginResponse response = loginService.deleteUser(loginRequest); // 유저 삭제 실행
   verify(userRepository, times( wantedNumberOfinvocations 1)).deleteByUserid(userid): // deleteByUserid가 한 번 호ອ되었는지 확인
   assertThat(response.getMessage()).isEqualTo( expected "삭제 성공: " + loginRequest.getUserid() + "의 유저가 삭제되었습니다."); // 삭제 성공 메시지 검증
   System.out.println("삭제 완료!");
```

### 유저 삭제 Service 코드

```
public LoginResponse deleteUser(LoginRequest loginRequest) [ 3 usages # GotChun
   System.out.println("id : " + loginRequest.getUserid());
   Optional < UserEntity > userEntity = userRepository.findByUserid(loginRequest.getUserid());
   System.out.println("UserEntity exists: " + userEntity.isPresent()); // true 至는 false 密望
   if (userEntity.isEmpty()) {
       throw new RuntimeException("유저를 찾을 수 없습니다.");
   // 유저 삭제
   userRepository.deleteByUserid(loginRequest.getUserid());
   // 삭제 성공 메시지에 id 포함
   return LoginResponse.builder()
           .message("삭제 성공: " + loginRequest.getUserid() + "의 유저가 삭제되었습니다.")
           .build():
```

### 유저 삭제 Service Test Console



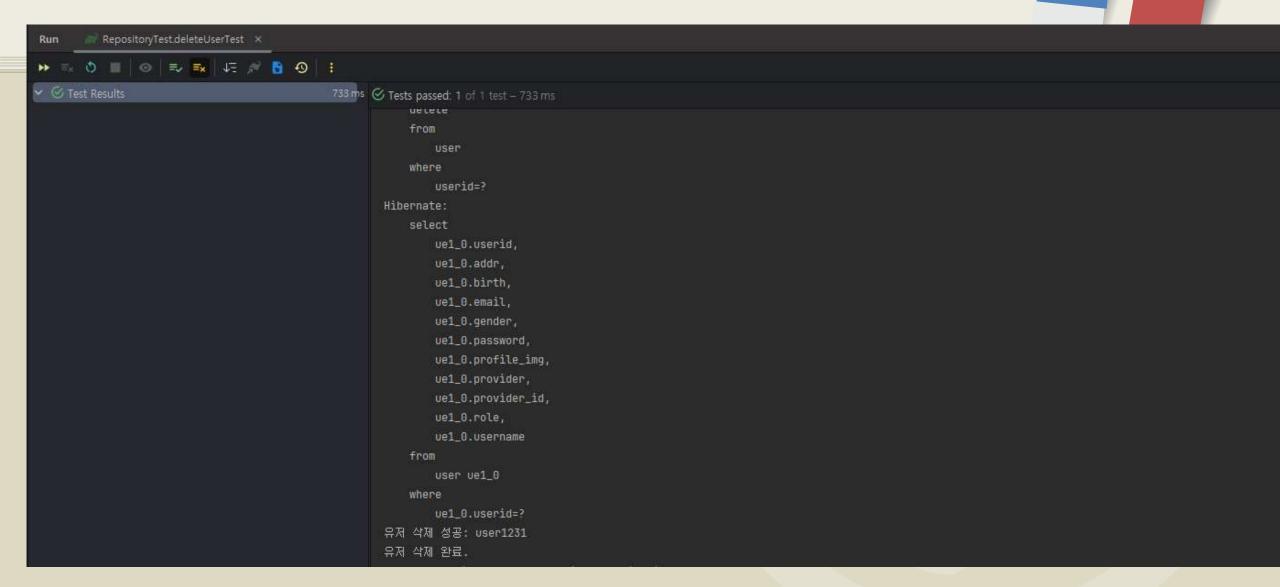


### 유저 삭제 Repository TEST 코드



```
@DataJpaTest
@ActiveProfiles("test")
@AutoConfigureTestDatabase(replace = AutoConfigureTestDatabase.Replace.NONE)// JPA 관련 테스트를 위한 어노테이션
public class RepositoryTest {
    @Autowired 3 usages
   private UserRepository userRepository; // 실제 리포지토리 사용
   @Test
    @DisplayName("유저 삭제")
    public void deleteUserTest() {
       String userid = "user1231";
       UserEntity user = UserEntity.builder()
               .userid(userid)
               .username("Test User")
               .build();
       userRepository.save(user); // 테스트 데이터를 저장
       userRepository.deleteByUserid(userid); // 삭제 실행
       Optional<UserEntity> deletedUser = userRepository.findByUserid(userid); // 조회로 삭제 여부 확인
       assertThat(deletedUser).isEmpty(); // 테이터가 없는지 결종
       // 삭제된 유저 ID와 함께 명확한 메시지 출력
       if (deletedUser.isEmpty()) {
           System.out.println("유저 삭제 성공: " + userid);
       } else {
           System.out.println("삭제 실패: 유저 ID " + userid + "미(가) 존재합니다.");
   @AfterEach
   public void printDeleteMessage() {
       System.out.println("유저 삭제 완료.");
```

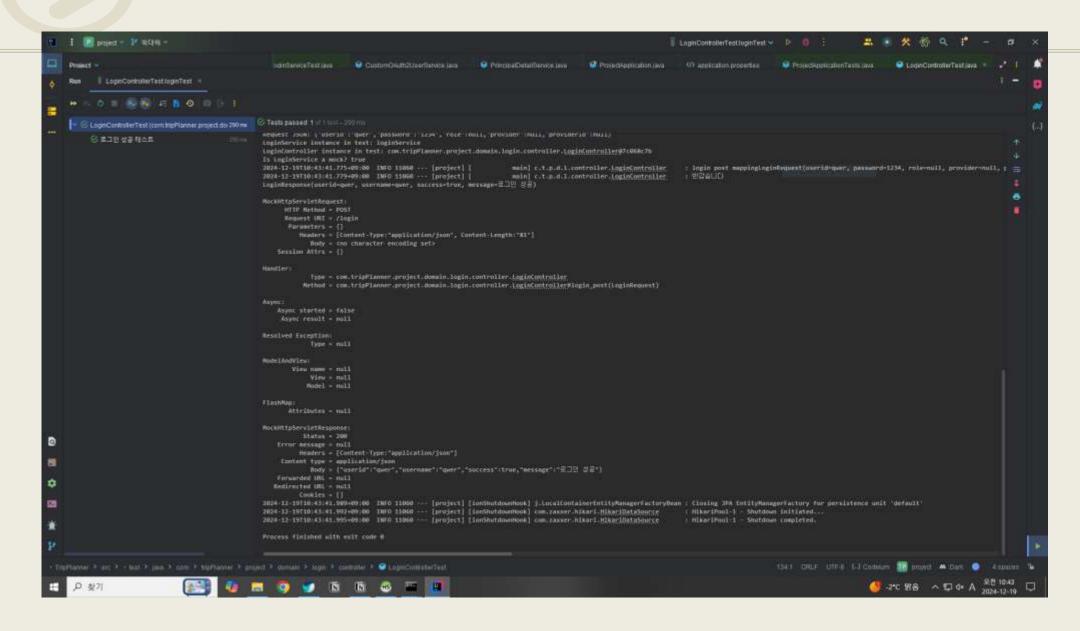
# 유저 삭제 Repository Test Console



### 유저 로그인 Controller Test 코드

```
oginServiceTest.iava
                   CustomOAuth2UserService Java
                                                  PrincipalDetailService java ProjectApplication Java
                                                                                                     (/) application properties
        public class LoginControllerTest {
           private LoginService loginService;
           SHOCK TO ISSUE
           private UserRepository userRepository;
           SMock Hit Discous
           private TokenRepository tokenRepository;
           ObjectMapper objectMapper - new ObjectMapper(): 2 magra
           #BeforeEach # 1
           public void setUp() (
              MockitoAnnotationsCommNacks( | this);
               inginController - new LoginController(loginService);
               mackPag - MackPycBuilders.standalaneSetup(lnginController).build();
           erest # property
           @DisplayName(( = 20 = 5 = 11 = ))
           public wold loginTest() thrown Exception (
                System.nut.println("nockHoc" **nocmme();
               String userid = 'mont' |
               String password = "1234";
               LoginRequest loginRequest - LoginRequest.builder()
                      .userid(userid)
                       .password(password)
                       .build();
               LoginHesponse loginHesponse = LoginHesponse.builder()
                      .userid(userid)
                       .username("quer")
                       .message("ETT EE")
               Mockito.when(lnginService.login(Mockito.any(LoginRequest.clmss))).thenReturn(loginResponse);
                              .contentType(MediaType.APFLICATION_250W)
                              .content(objectMapper.writeValueAsString(loginRequest)))
                       andExpect(status().isOk())
```

### 유저 조회 Controller Test Console



### 유저 조회 Service Test Code

```
@Test # junyoung6 *
    @DisplayName("로그인 서비스 테스트")
    void loginServiceTest(){
        String userid = "qwer";
        String password = "1234";
        UserEntity userEntity = UserEntity.builder()
                .userid("gwer")
                .password("1234")
                .username("호날두")
                .gender('M')
                .build();
        LoginRequest loginRequest = LoginRequest.builder()
                .userid(userid)
                .password(password)
                .build();
        when(userRepository.findByUserid(loginRequest.getUserid())).thenReturn(Optional.of(userEntity));
        LoginResponse response = loginService.login(loginRequest);
        System.out.println(response);
        System.out.println(userEntity);
System.out.println(loginService);
System.out.println(userRepository);
        assertNotNull(response);
        assertTrue(response.isSuccess());
        assertEquals( expected: "로그인 성공", response.getMessage());
        assertEquals(userid, response.getUserid());
        verify(userRepository, times( wantedNumberOfInvocations: 1)).findByUserid(userid);
         verify(jwtTokenProvider, times(1)).generateAccessToken(userid);
         verify(jwtTokenProvider, times(1)).generateRefreshToken(userid);
         verify(tokenRepository, times(1)).save(any(TokenEntity.class));
```

### 유저 조회 Service Test Console

```
Java HotSpot(TM) 64-Bit Server VM warning: Sharing is only supported for boot loader classes because bootstrap classpath has been appended 12:16:42.777 [main] INFO com.tripPlanner.project.domain.login.service.loginService -- 로그인 서비스 함수 실행 12:16:42.780 [main] INFO com.tripPlanner.project.domain.login.service.loginService -- Optional(UserEntity(userid=qwer, username=호날두, email=null, password=1234, profileImg=null, addr=null, role=null, ge 12:16:42.792 [main] INFO com.tripPlanner.project.domain.login.service.loginService -- 인한 전체 설렘 12:16:42.792 [main] INFO com.tripPlanner.project.domain.login.service.loginService -- 값이 압력되어있습니다. 12:16:42.797 [main] INFO com.tripPlanner.project.domain.login.service.loginService -- 시큐리티 인증정보 저장완료null 12:16:42.802 [main] INFO com.tripPlanner.project.domain.login.service.loginService -- 토르엔티티 TokenEntity(id=qwer, refreshToken=null) LoginResponse(userid=qwer, username=호날두, success=true, message=12 성공) UserEntity(userid=qwer, username=호날두, email=null, password=1234, profileImg=null, addr=null, role=null, gender=M, birth=null, provider=null, providerId=null) com.tripPlanner.project.domain.login.service.loginService@7573e12f userRepository

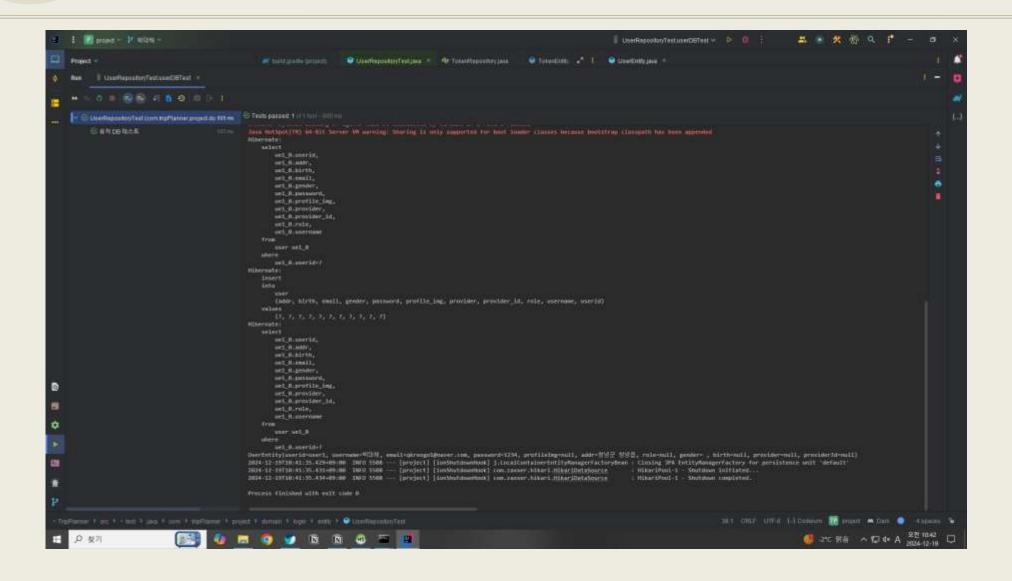
Process finished with exit code 0
```

유저가 있는지만 확인하면 되기 때문에 Token 값은 없게 설정했습니다.

### 유저 조회 Repository Test Code

```
package com.tripPlanner.project.domain.login.entity;
import org.junit.jupiter.api.DisplayName;
import org.junit.jupiter.api.Test;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.boot.test.autoconfigure.jdbc.AutoConfigureTestDatabase;
import org.springframework.boot.test.autoconfigure.orm.jpa.DataJpaTest;
import org.springframework.transaction.annotation.Transactional;
import java.util.Optional;
import static org.junit.jupiter.api.Assertions.assertEquals;
import static org.junit.jupiter.api.Assertions.assertTrue;
@DataJpaTest new*
@AutoConfigureTestDatabase(replace = AutoConfigureTestDatabase.Replace.NONE) // 외부 DB 사용
@Transactional
class UserRepositoryTest {
    @Autowired 2 usages
    private UserRepository userRepository;
    @Test new *
    @DisplayName("유저 DB 테스트")
    public void userDBTest(){
        UserEntity userEntity = UserEntity.builder()
                .userid("user1")
                .username("박대해")
                .email("qkreogo1@naver.com")
                .password("1234")
                .addr("창녕군 창녕읍")
                .build();
        UserEntity user = userRepository.save(userEntity);
        Optional<UserEntity> findUser = userRepository.findByUserid(user.getUserid());
        assertTrue(findUser.isPresent());
        assertEquals(user.getUserid(),findUser.get().getUserid());
        assertEquals(user.getPassword(),findUser.get().getPassword());
        System.out.println(user.toString());
```

### 유저 조회 Repository Test Console





### 유저 수정 Controller

#### **Test**

```
(MoisplayName(*업데이트 성공 테스트*)
public void updateTest() throws Exception (
    LoginRequest loginRequest = LoginRequest.bvilder()
            .usgrid("gwer")
            .password("1234")
            .usernane("$\thin")
    LoginResponse loginResponse = LoginResponse.builder()
            .userid("gwer")
            .password("1234")
            .username("""(Hill")
            .message("update 설공")
            .build():
    Mockito.lenient().when(loginService.update(Mockito.any(LoginRequest.class))).thenReturn(loginResponse);
    LoginResponse result = loginService.update(loginRequest);
    verify(loginService).update(loginRequest);
    Assertions.ossertThat(result).isEqualTo(loginResponse);
    sockHyc.perford(post( unTemplate */update*)
            .contentType(MediaType.APPLICATION_USON)
            .content(objectHapper.writeValueAsString(loginRequest)))
            .andbo(print())
             .andExpect(status().isOk());
```

#### Controller

```
Moderation and a first sequent with sequent sequent with sequent sequent
```



### 유저 수정 Service

#### **TEST**

```
public vaid updateServiceTest() {
   UserEntity user = UserEntity.puilder()
           .userid("gwer")
           .password("1234")
           .username("叫证例")
           .build();
   Mockito.lenient().when(userRepository.findByUserid(user.getUserid())).thenReturn(Optional.of(user))
   Mockito.lenient().when(userRepository.save(user)).thenReturn(user);
   Optional < UserEntity > selected = userRepository.find8yUserid(user.getUserid());
   if((selected.isEmpty()) {
       UserEntity result = userRepository.save(user);
       verify(userRepository).save(user);
       Assertions.assertThat(result)
                .withFailMessage( newErrorNessage "업데이토가 전성적으로 진행되지 않았습니다.")
               .isEqualTo(user);
       System.out.println("엉덩이트가 정상적으로 진행되었습니다.");
```

#### Service

```
public LoginResponse update(LoginRequest loginRequest){  4 usages  new *
   log.info("업데이트 서비스 함수 실행");
   Optional < User Entity > optional User = user Repository.find By Userid (login Request.get Userid());
   if(optionalUser.isEmpty()){
       return LoginResponse.builder()
               .success(false)
               .message("유저를 찾을 수 없습니다 !")
               .build();
   UserEntity userEntity = optionalUser.get();
   // 입력받은 값과 DB에 저장되어 있는 User의 정보가 모두 같다면 변경되지않았으므로 실패 값을 전달
   if(userEntity.getPassword().equals(loginRequest.getPassword())
       && userEntity.getUsername().equals(loginRequest.getUsername())) {
      return LoginResponse.builder()
               .success(false)
               .message("변경된 정보가 없습니다.")
               .build();
   return LoginResponse.builder()
           .userid(loginRequest.getUserid())
           .password(loginRequest.getPassword())
           .username(loginRequest.getUsername())
           .success(true)
           .message("update 성공")
           .build();
```



### 유저 수정 Service

#### Result

Mockito is currently self-attaching to enable the inline-mock-maker. This will no longer work in future releases of WARNING: A Java agent has been loaded dynamically (C:\Users\Administrator\.gradle\caches\modules-2\files-2.1\net.by WARNING: If a serviceability tool is in use, please run with -XX:+EnableDynamicAgentLoading to hide this warning WARNING: If a serviceability tool is not in use, please run with -Djdk.instrument.traceUsage for more information WARNING: Dynamic loading of agents will be disallowed by default in a future release 업데이트가 정상적으로 진행되었습니다.

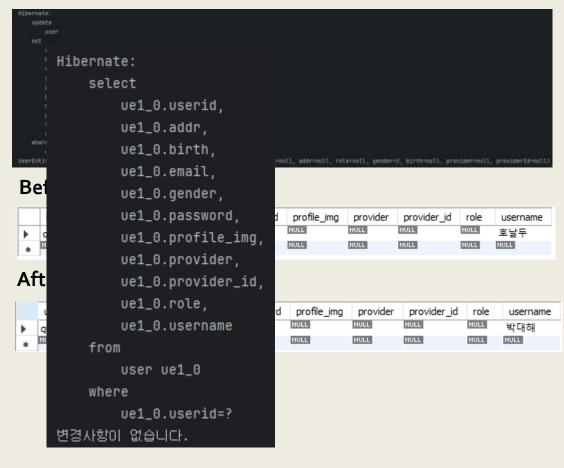


# 유저 수정 Repository

### Persistence Layer Test

```
public void updateRepositoryTest() -
    // 수정할 내용을 담은 UserEntity
    UserEntity user = UserEntity.builder()
            .userid("qwer")
            .password("1234")
            .username("박대해")
            .build();
    Optional < UserEntity > selected = userRepository.findByUserid("gwer");
    if(selected.isEmpty()) {
        System.out.println("업데이트 할 대상이 존재하지 않습니다.");
    l else {
       UserEntity result = selected.get();
        if(user.getPassword().equals(result.getPassword())
           && user.getUsername().equals(result.getUsername())) {
           System.out.println("변경사항이 없습니다.");
         else
           userRepository.save(user);
           System.out.println(user);
```

#### Result





### 유저 수정

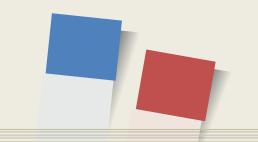
### Persistence Layer Test

#### Result

```
Hibernate:
   select
       ue1_0.userid,
       ue1_0.addr,
       ue1_0.birth,
       ue1_0.email,
       ue1_0.gender,
       ue1_0.password,
       ue1_0.profile_img,
       ue1_0.provider,
       ue1_0.provider_id,
       ue1_0.role,
       ue1_0.username
   from
       user ue1_0
   where
       ue1_0.userid=?
변경사항이 없습니다.
```

```
Hibernate:
    select
        ue1_0.userid,
        ue1_0.addr,
        ue1_0.birth,
        ue1_0.email,
        ue1_0.gender,
        ue1_0.password,
        ue1_0.profile_img,
        ue1_0.provider,
        ue1_0.provider_id,
        ue1_0.role,
        ue1_0.username
    from
        user ue1_0
    where
        ue1_0.userid=?
업데이트 할 대상이 존재하지 않습니다.
```

### 유저 검색 Controller Test Code





```
@DisplayName("controller 사용자 조회 성공 테스트")
public void getUserByIdTest() throws Exception (
   String userid = "gwer";
   String password = "1234";
   LoginRequest loginRequest = LoginRequest.builder()
           .userid(userid)
   LoginResponse loginResponse = LoginResponse.builder()
           .userid(userid)
           .username ("gwer")
           .message("성공")
   Mockito.lenient().when(loginService.login(Mockito.any(LoginRequest.class))).thenReturn(loginResponse)
           .contentType(HediaType,APPLICATION_JSON)
           .andDo[print())
```

### 유저 검색 Controller Code



```
@PostMapping("/select")
@ResponseBody
public ResponseEntity<LoginResponse> select(@RequestBody LoginRequest loginRequest) {
    return ResponseEntity.ok(loginService.login(loginRequest));
}
```

### 유저 검색 Controller Test Console

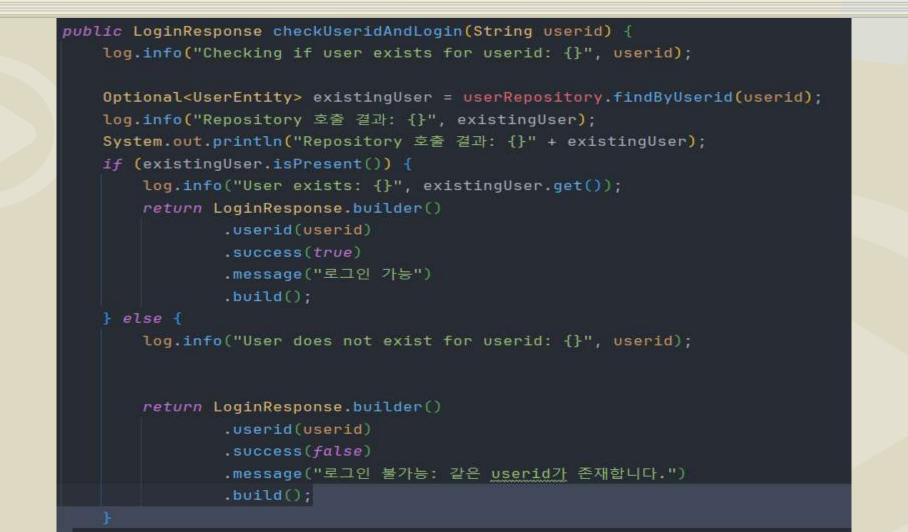


```
MockHttpServletResponse:
Status = 200
Error message = null
Headers = [Content-Type:"application/json"]
Content type = application/json
Body = {"userid":"qwer","username":"qwer","success":true,"message":"성공"}
Forwarded URL = null
Redirected URL = null
Cookies = []
```

### 유저 검색 Service Test Code

```
@Test
@DisplayName("userid로 사용자를 조회 및 로그인 가능 여부 확인 테스트")
public void testCheckUseridAndLogin() {
    String userid = "user001"; // 조회할 ID
    UserEntity mockUser = UserEntity.builder()
            .userid(userid) // Mock 사용자 ID가 동일해야 합니다.
            .username("Alice")
            .build();
    Mockito.when(userRepository.findByUserid(userid)).thenReturn(Optional.of(mockUser));
    System.out.println("Mock 설정 확인: " + userRepository.findByUserid(userid));
    LoginResponse response = loginService.checkUseridAndLogin(userid);
    assertThat(response.isSuccess()).isFalse(); // 성공 상태가 false인지 확인
    assertThat(response.getMessage()).isEqualTo( expected: "로그인 불가능: 같은 userid가 존재합니다."); // 메시지 확인
    Mockito.verify(userRepository, Mockito.times( wantedNumberOfInvocations: 1)).findByUserid(userid);
```

### 유저 검색 Service Code



### 유저 검색 Service Test Console

for userid: user001



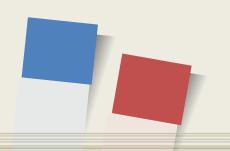
```
Mock 설정 확인: Optional[UserEntity(userid=user001, username=Alice, email=null, password=null, profileImg=null, addr=null, role=null, gender=D, birth=null, provider=null, providerId=null)]
2024-12-19T16:09:17.004+09:00 INFO 20388 --- [project] [ main] c.t.p.domain.login.service.LoginService : Checking if user exists for userid: user001
2024-12-19T16:09:17.004+09:00 INFO 20388 --- [project] [ main] c.t.p.domain.login.service.LoginService : Repository 호출 결과: Optional.empty
Repository 호출 결과: {}Optional.empty
2024-12-19T16:09:17.004+09:00 INFO 20388 --- [project] [ main] c.t.p.domain.login.service.LoginService : User does not exist
```

# 유저 검색 RepositoryTEST Code



```
aDisplayName("사용자 조회 및 로그인 가능 여부 확인 테스트")
public void testFindUserByIdAndCheckLogin() {
  List<UserEntity> mockUsers = List.of(
           UserEntity.builder()
                   .userid("user001")
                   .username("Alice")
                   .email("alice@example.com")
                   .password("password123")
                   .role("ROLE USER")
                   .birth(LocalDate.of( year: 1995, month: 5, dayOfMonth: 28))
           UserEntity.builder()
                   .userid("user002")
                   .username("Bob")
                   .email("bob@social.com")
                   .password("securePass456")
                   .role("ROLE_USER")
                   .birth(LocalDate.of( year: 1990, month: 8, dayOfMonth: 15))
```

# 유저 검색 Repository Test Console



조회된 사용자 정보 (user001): UserEntity(userid=user001, username=Alice, email=alice@example.com, password=password123, profileImg=null, addr=null, role=ROLE\_USER, gender=F, birth=1995-05-20, provider=null, providerId=null)