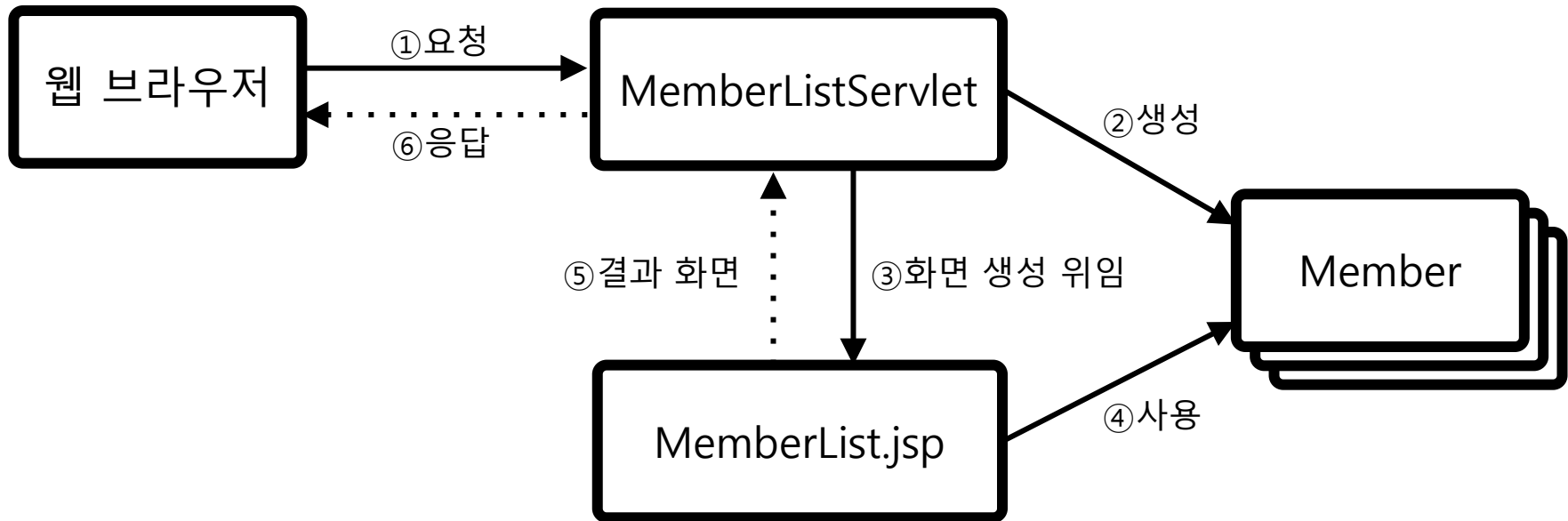


5.10 DAO 만들기

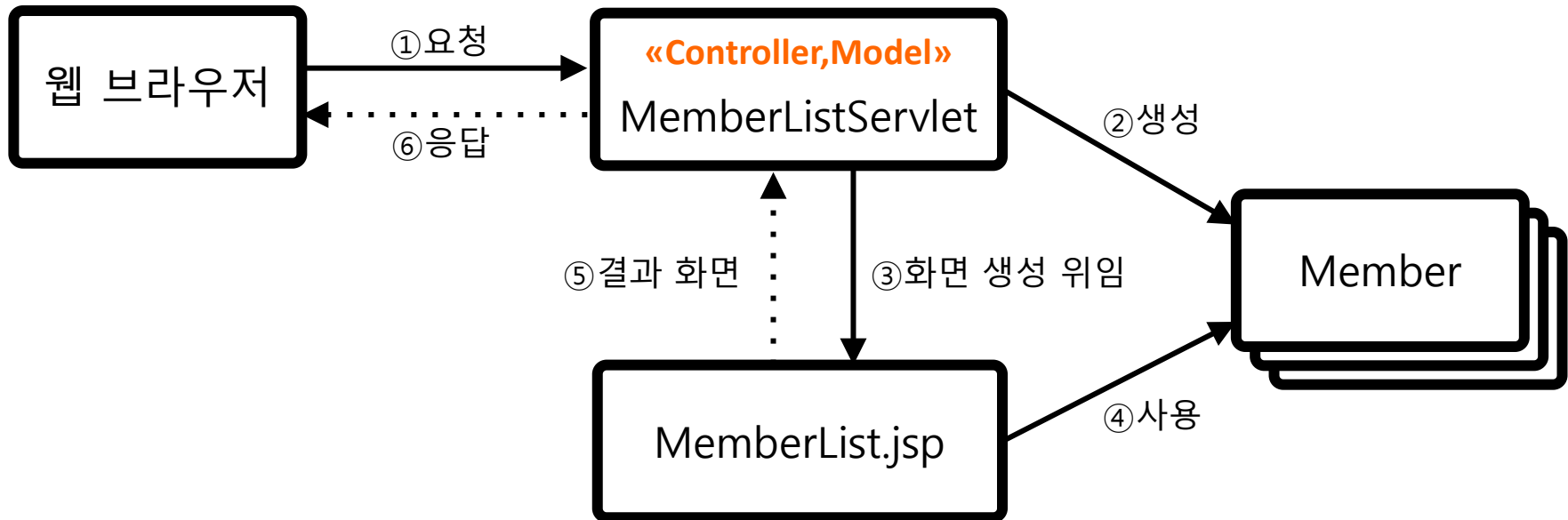
5.10 DAO 만들기

Model 역할 분리 전



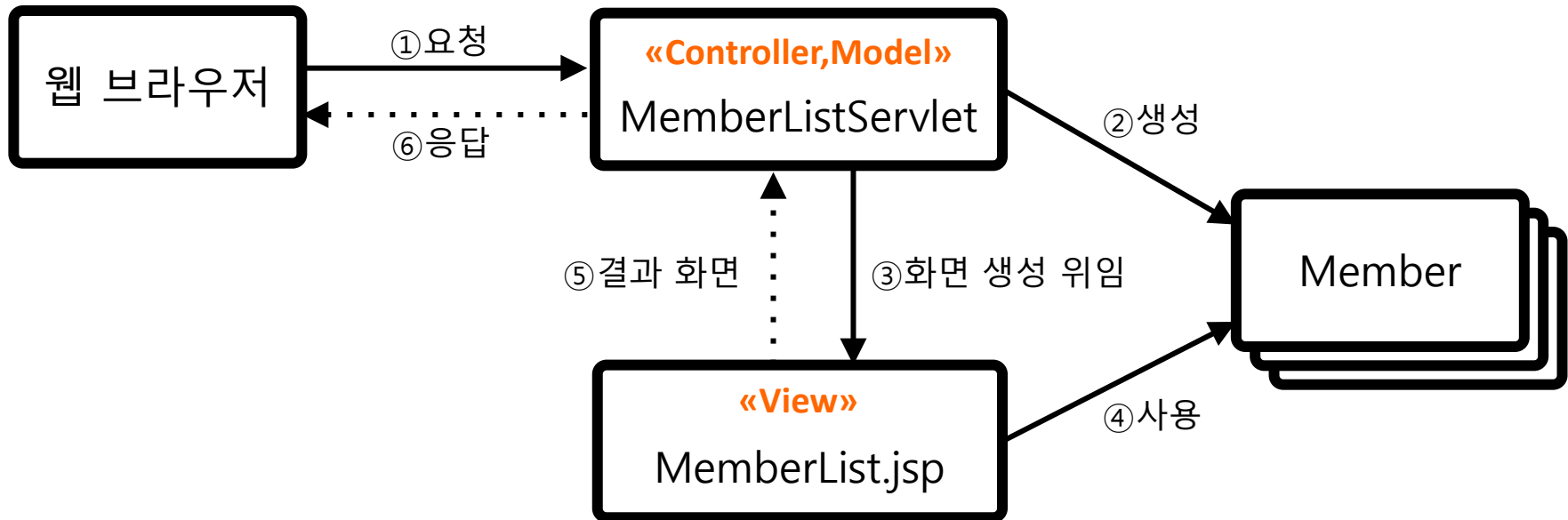
5.10 DAO 만들기

Model 역할 분리 전



5.10 DAO 만들기

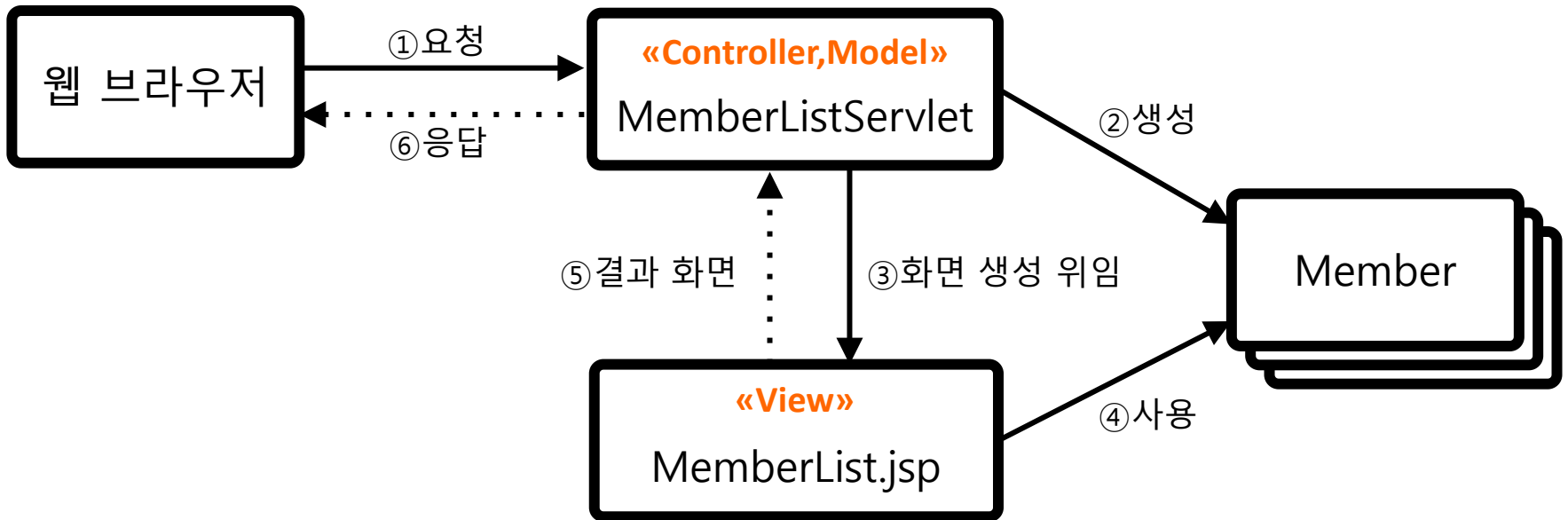
Model 역할 분리 전



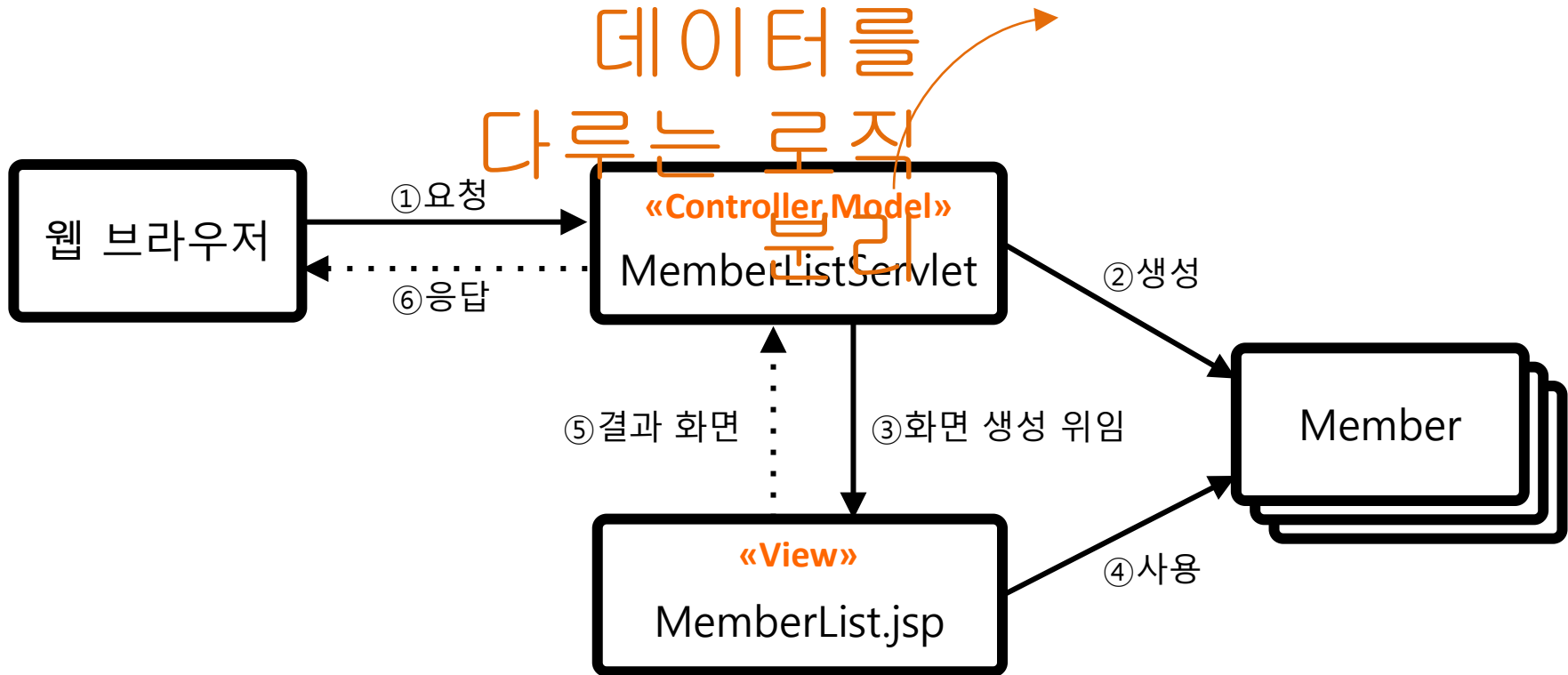
5.10 DAO 만들기

Model 역할 분리

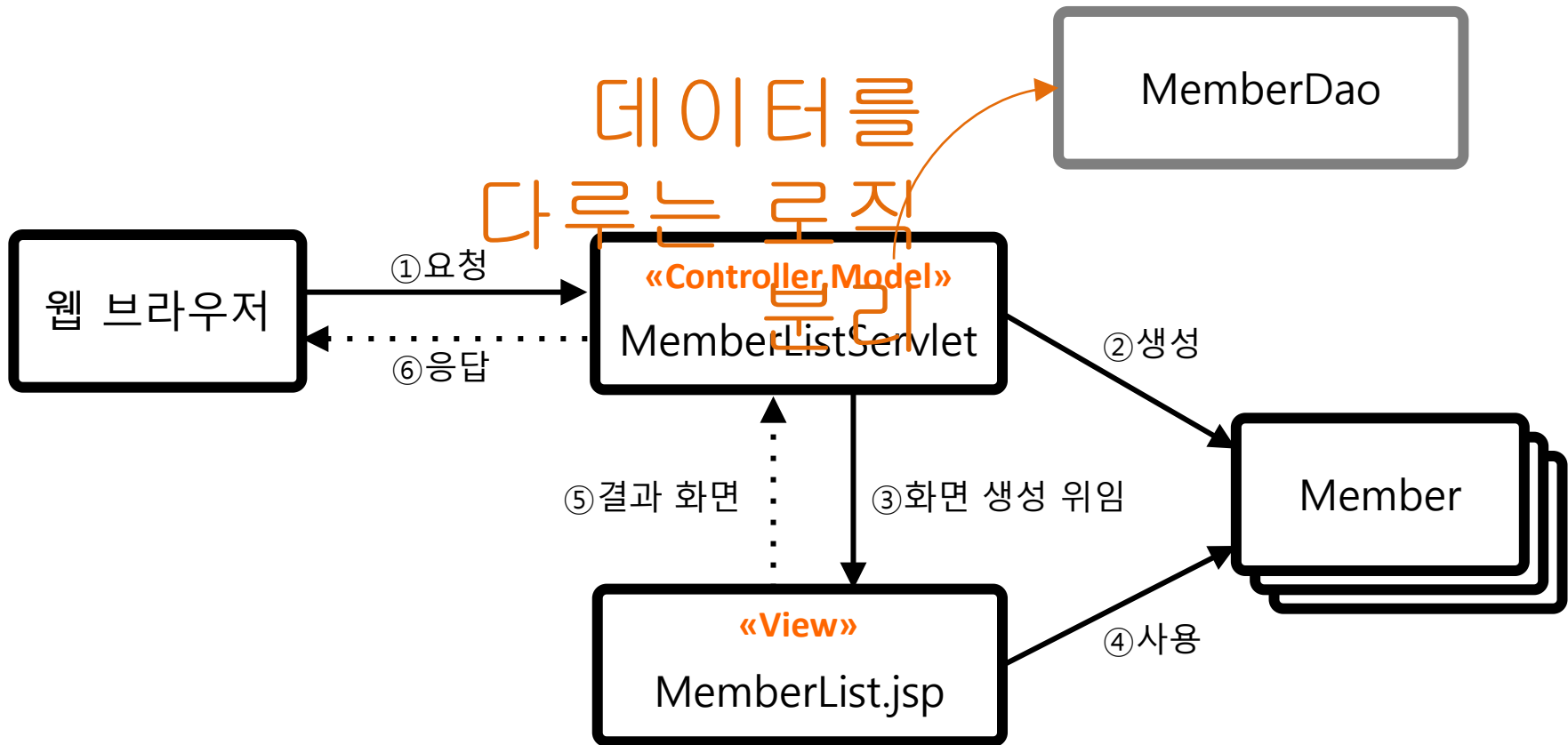
5.10 DAO 만들기



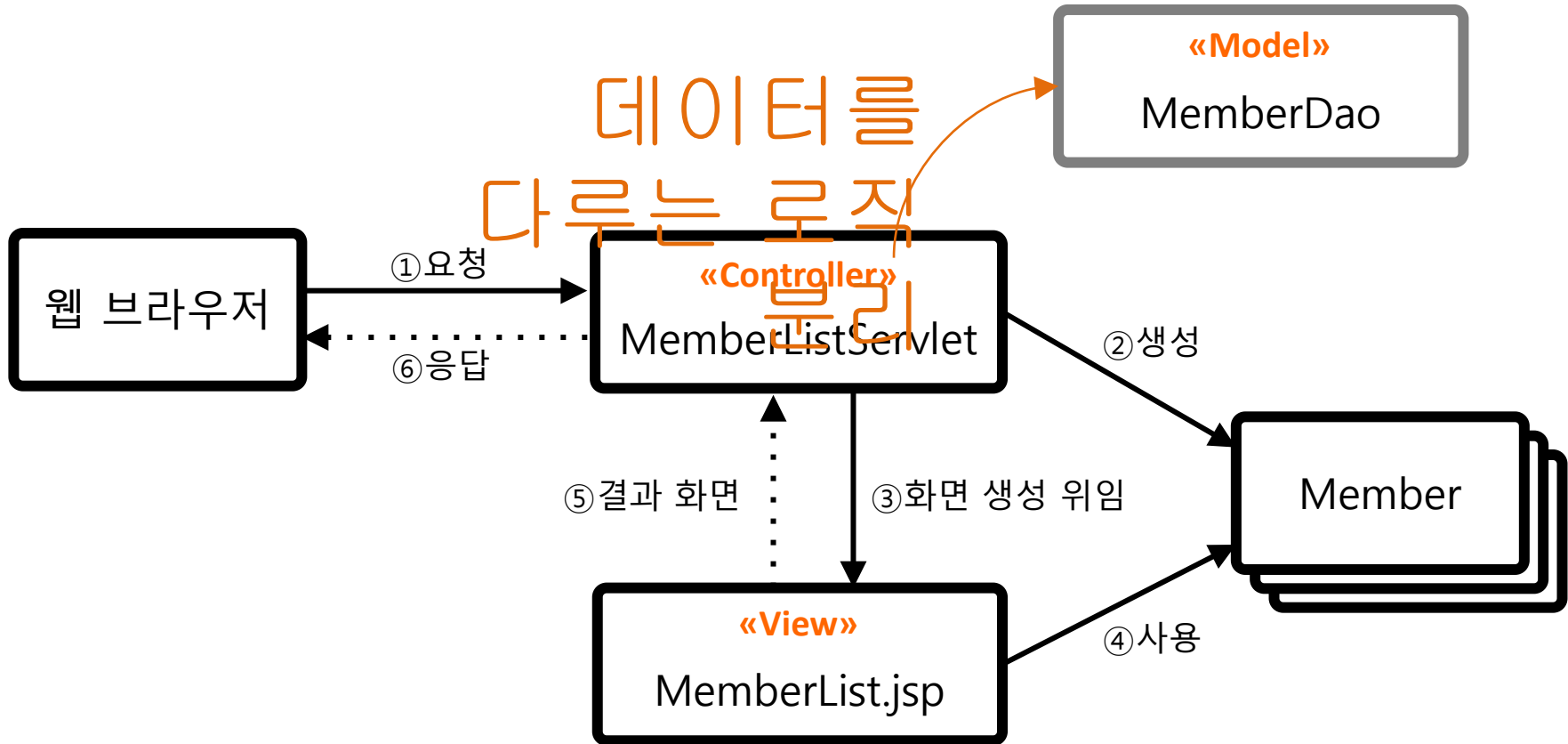
5.10 DAO 만들기



5.10 DAO 만들기



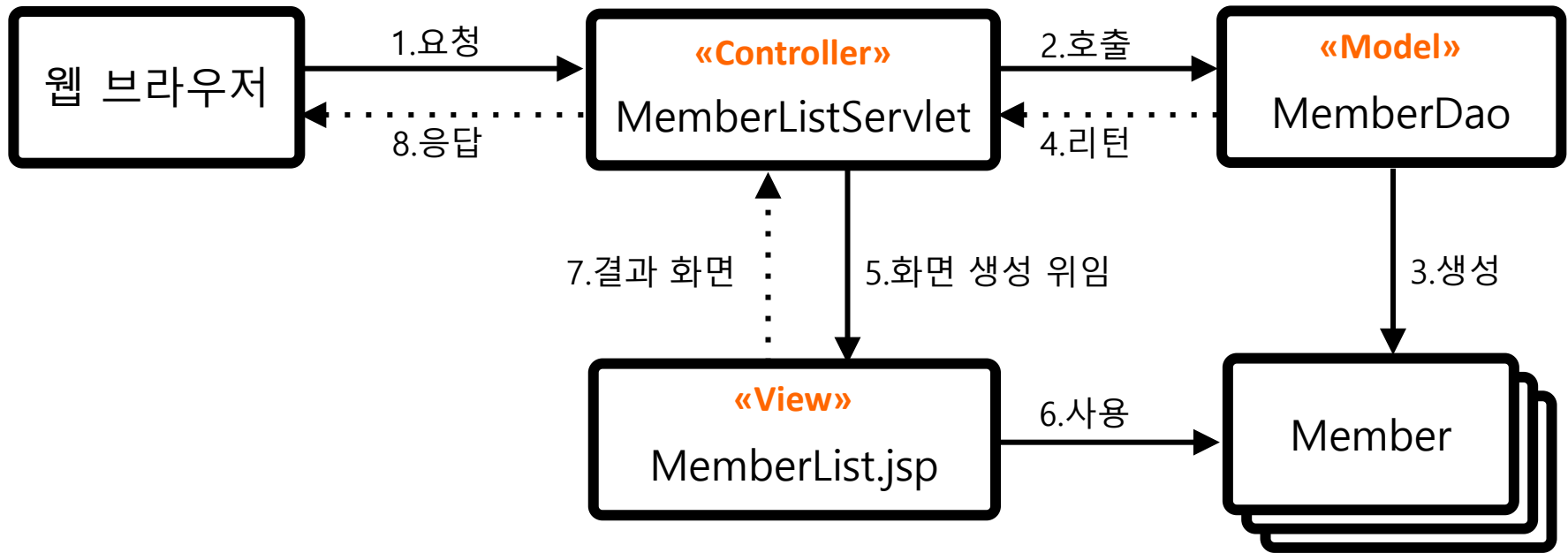
5.10 DAO 만들기



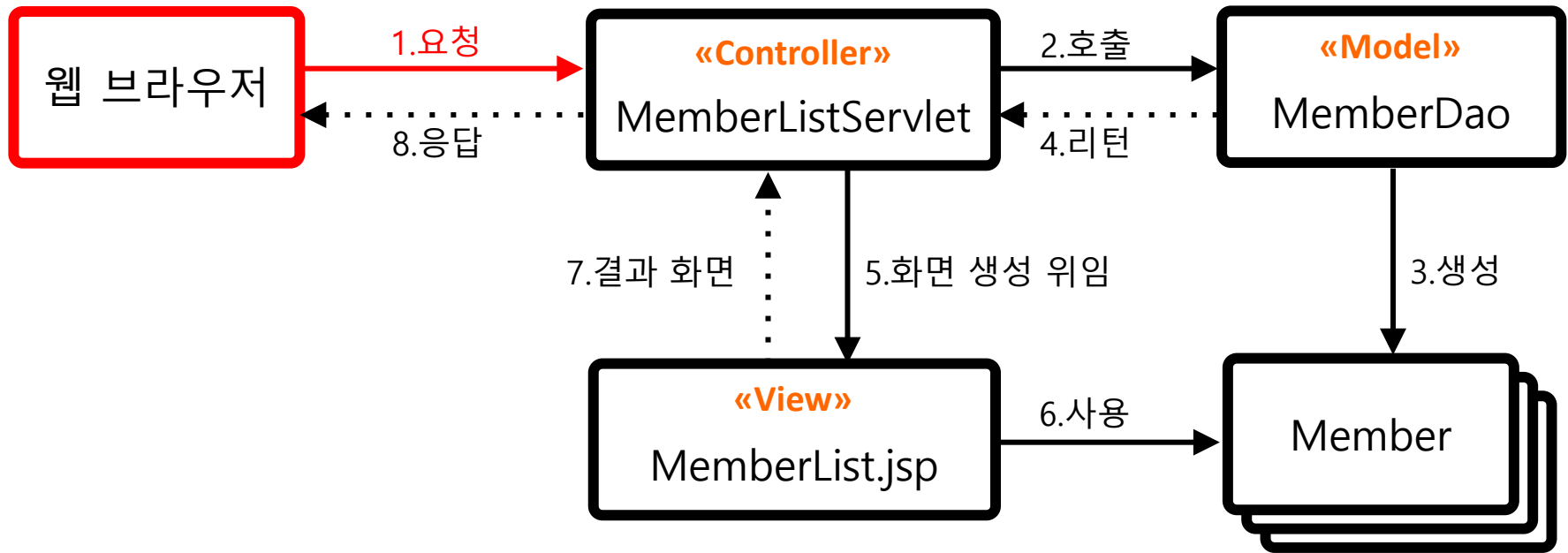
5.10 DAO 만들기

클라이언트 요청을
처리하는 흐름도

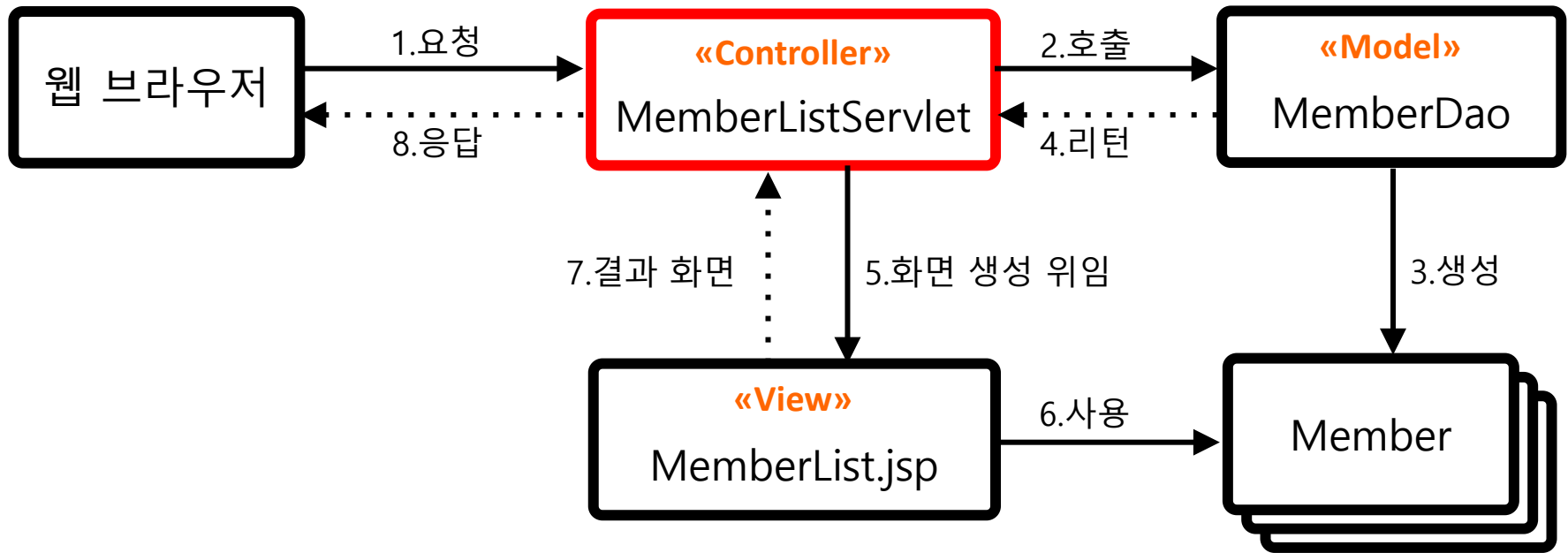
5.10 DAO 만들기



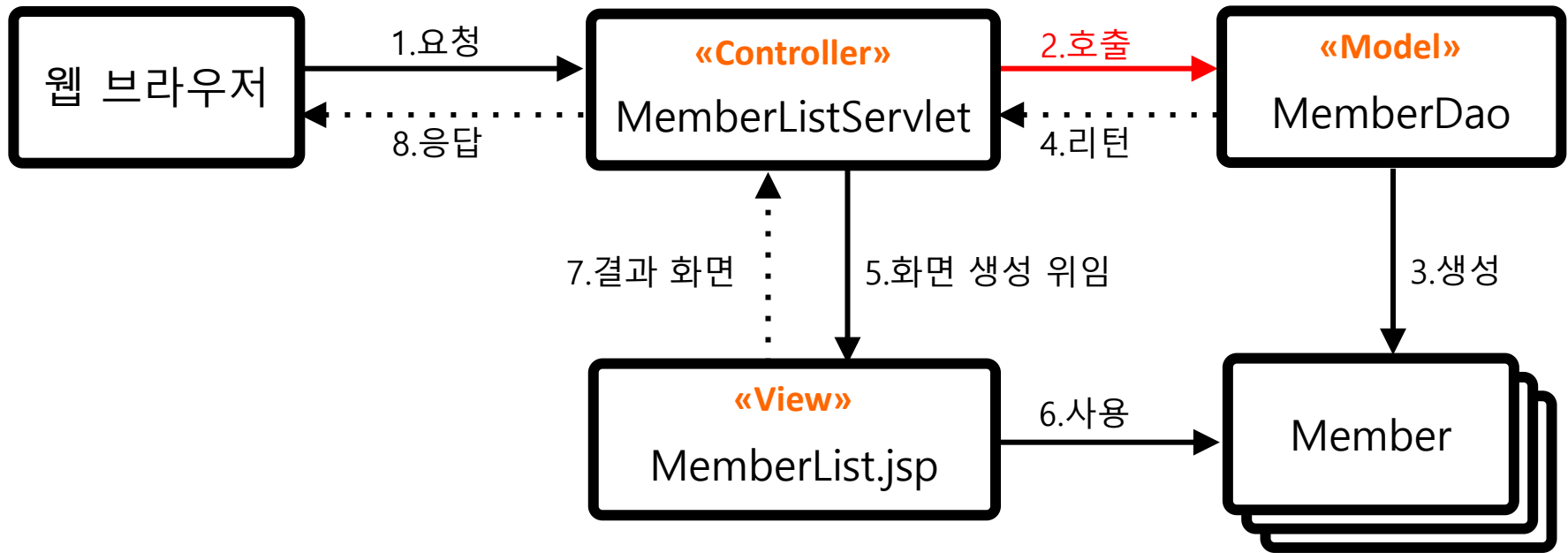
5.10 DAO 만들기



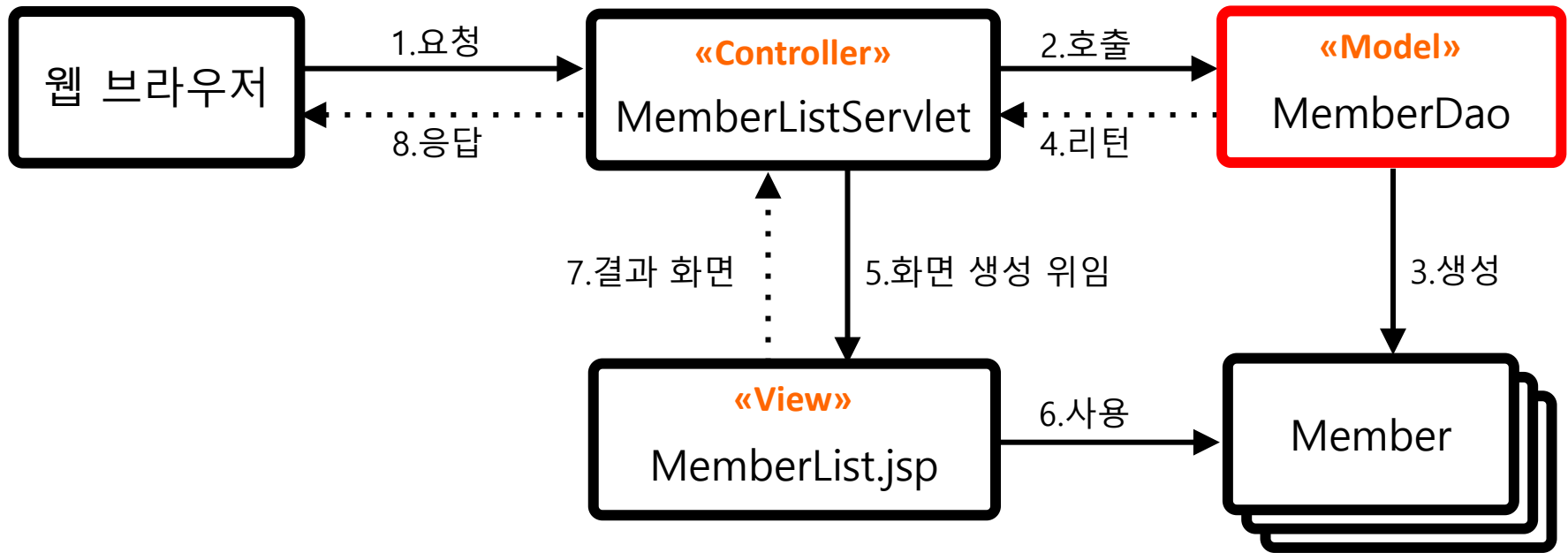
5.10 DAO 만들기



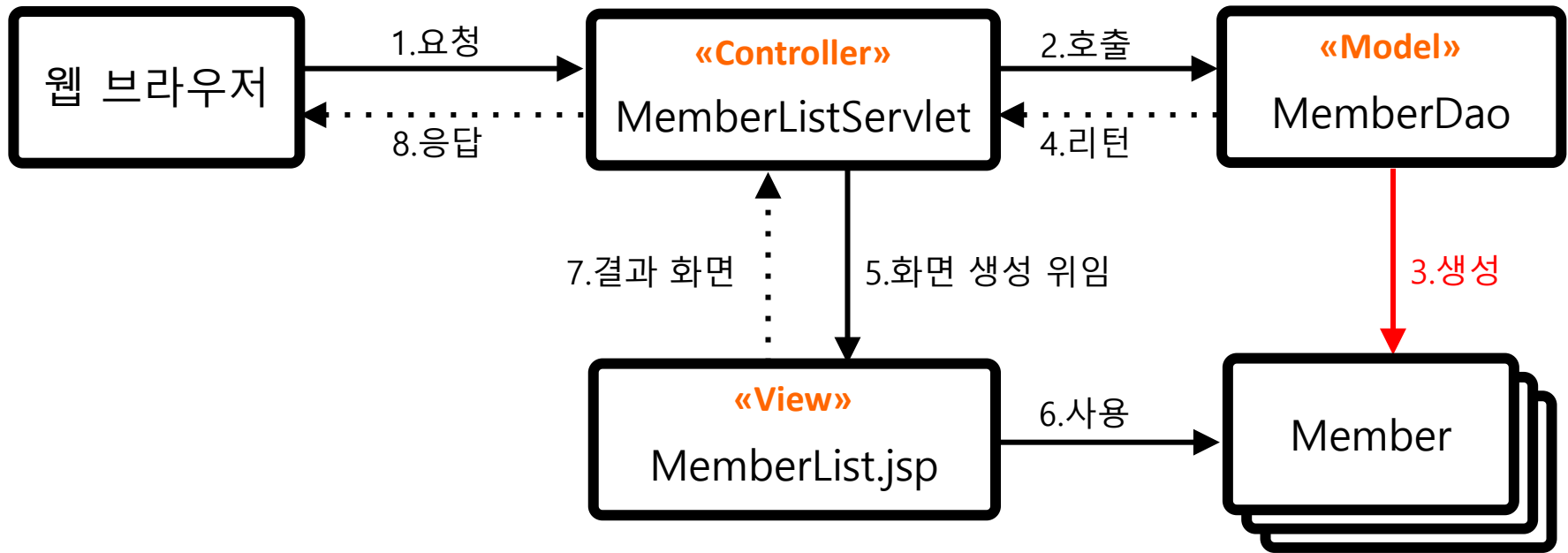
5.10 DAO 만들기



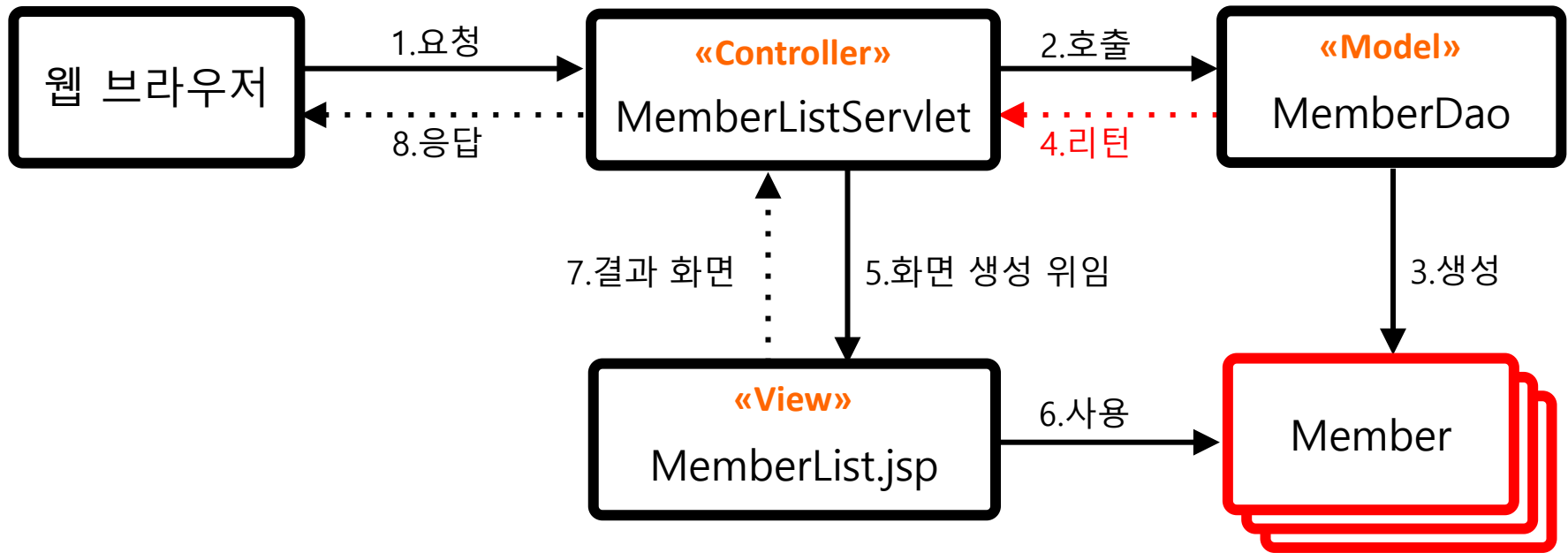
5.10 DAO 만들기



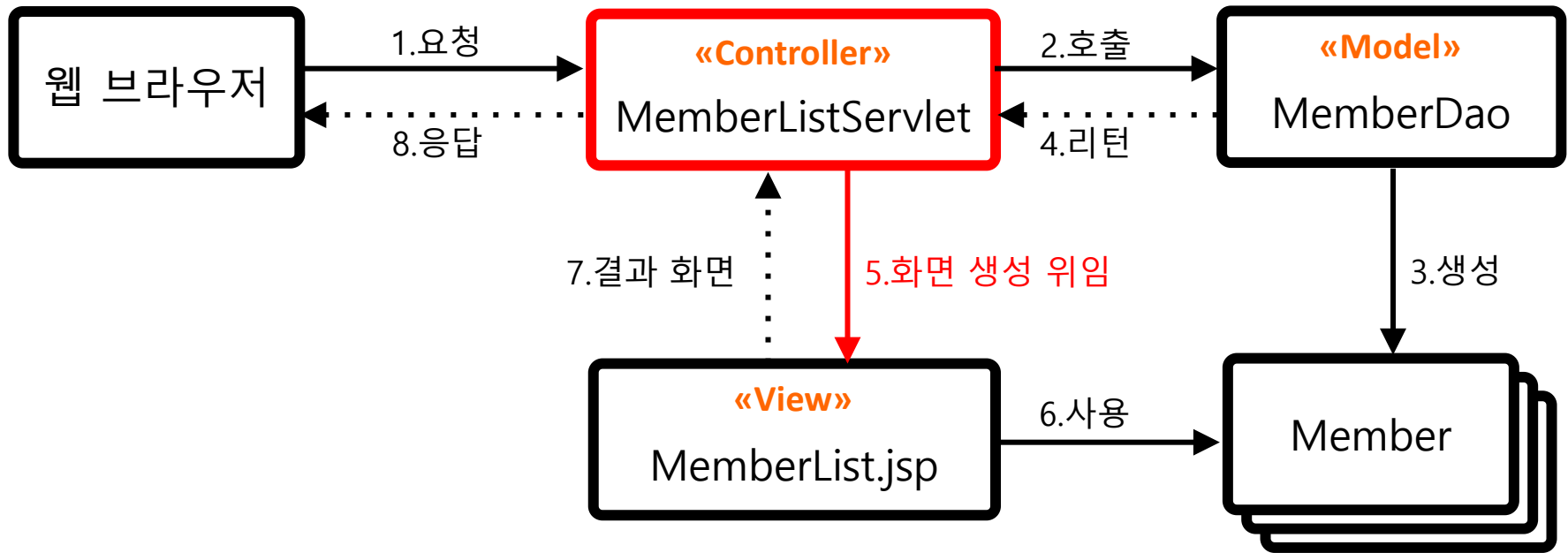
5.10 DAO 만들기



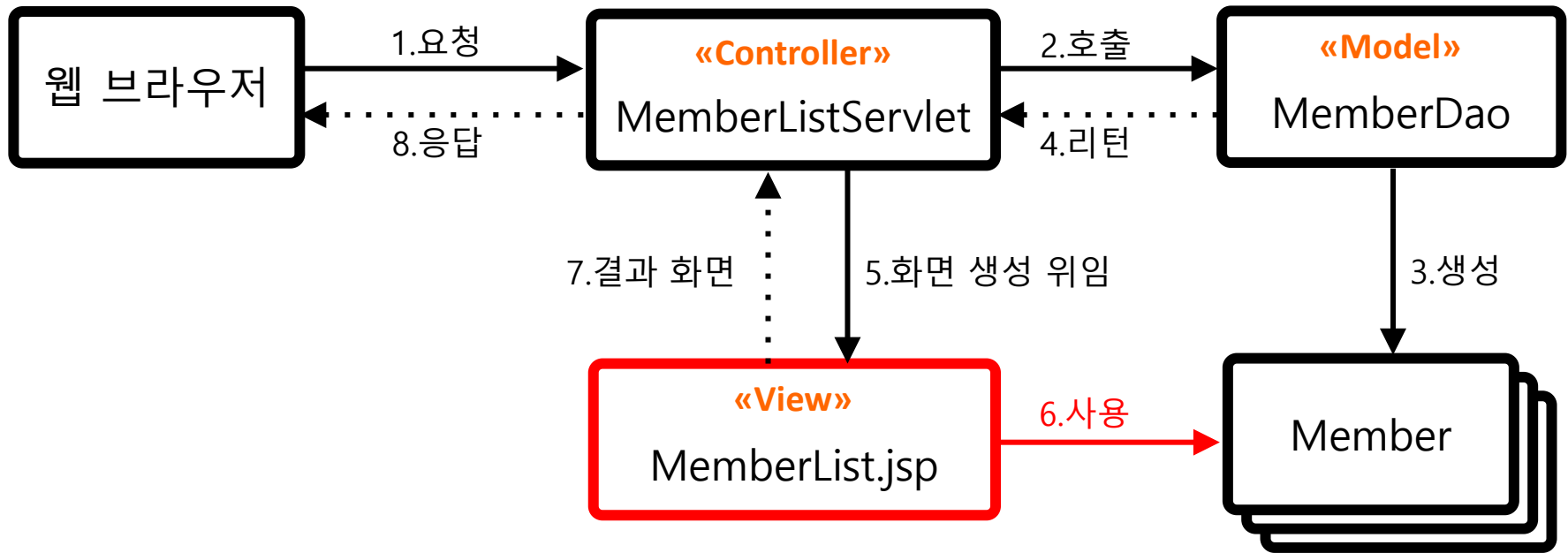
5.10 DAO 만들기



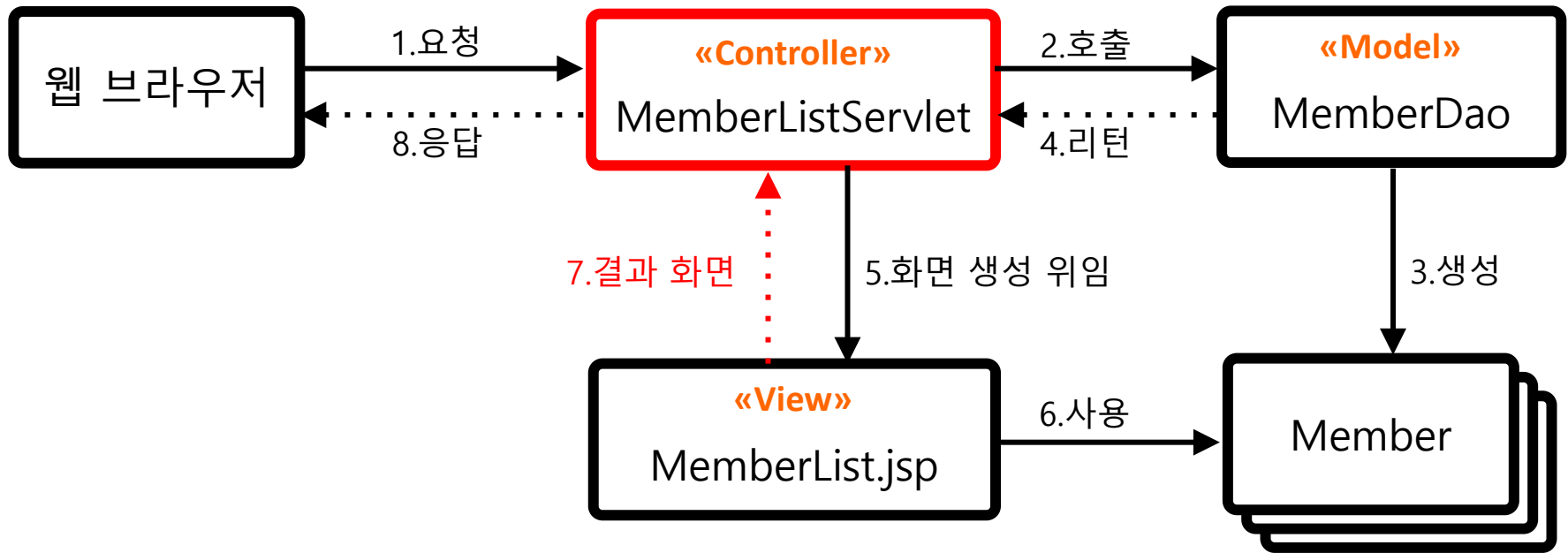
5.10 DAO 만들기



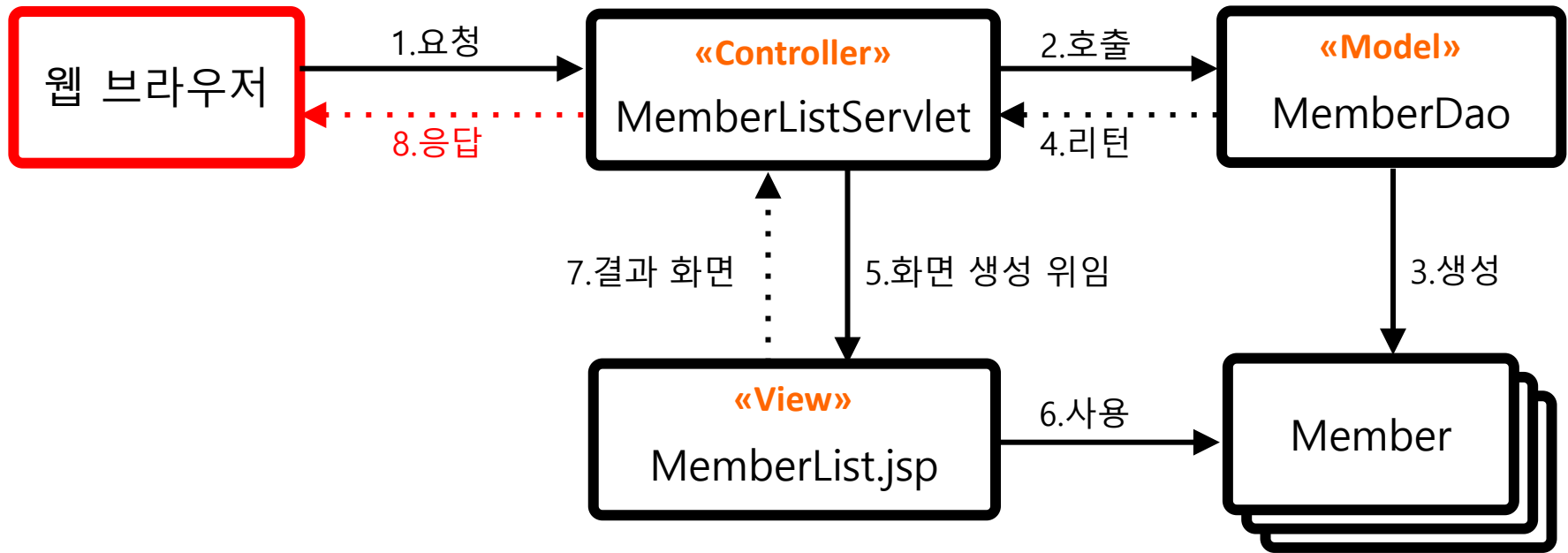
5.10 DAO 만들기



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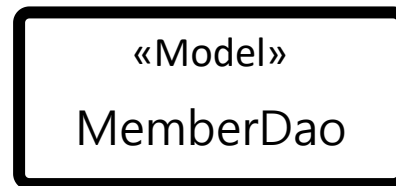
5.10 DAO 만들기



5.11 ServletContextListener와 객체 공유

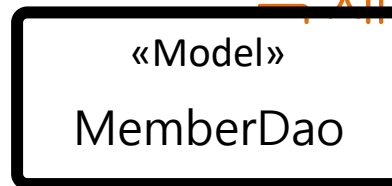
ServletContextListener를 이용한
공유 객체 준비

ServletContextListener를 이용한
공유 객체 준비



ServletContextListener를 이용한 공유 객체 준비

AppInitServlet을
대신하여 MemberDao
객체 준비



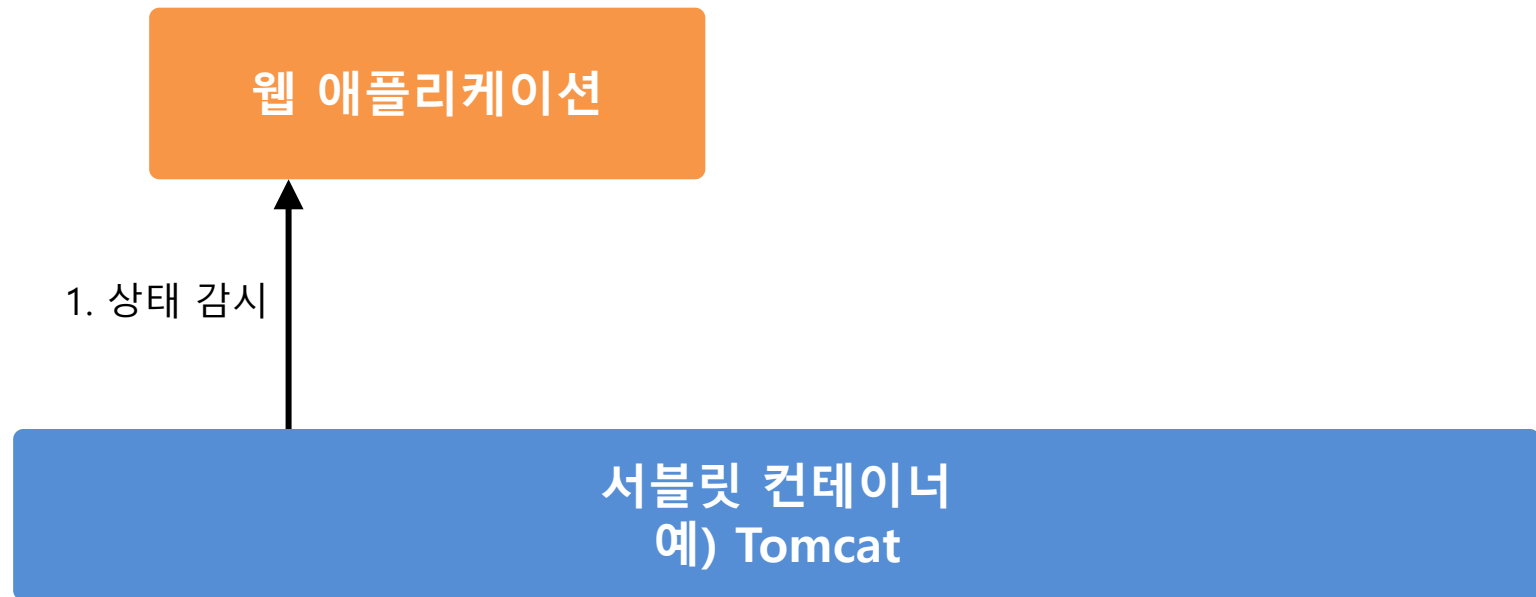
ServletContextListener ?

5.11 ServletContextListener와 객체 공유

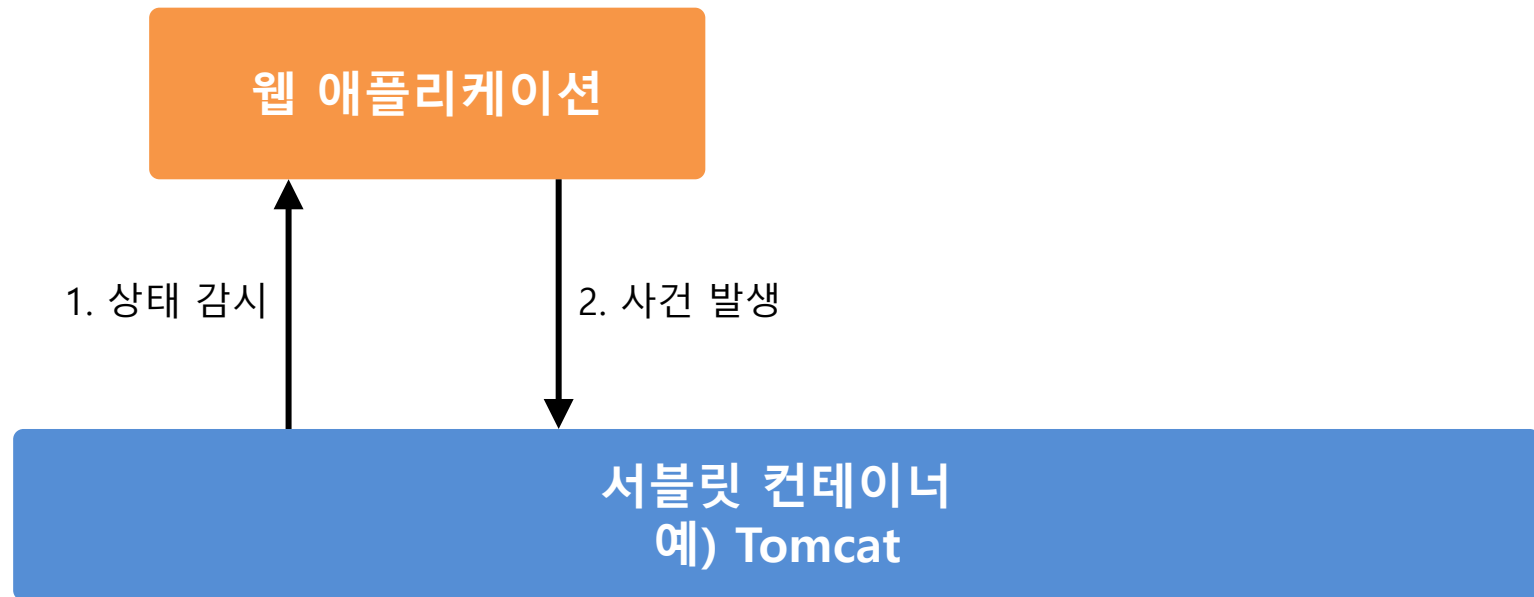
웹 애플리케이션

서블릿 컨테이너
예) Tomcat

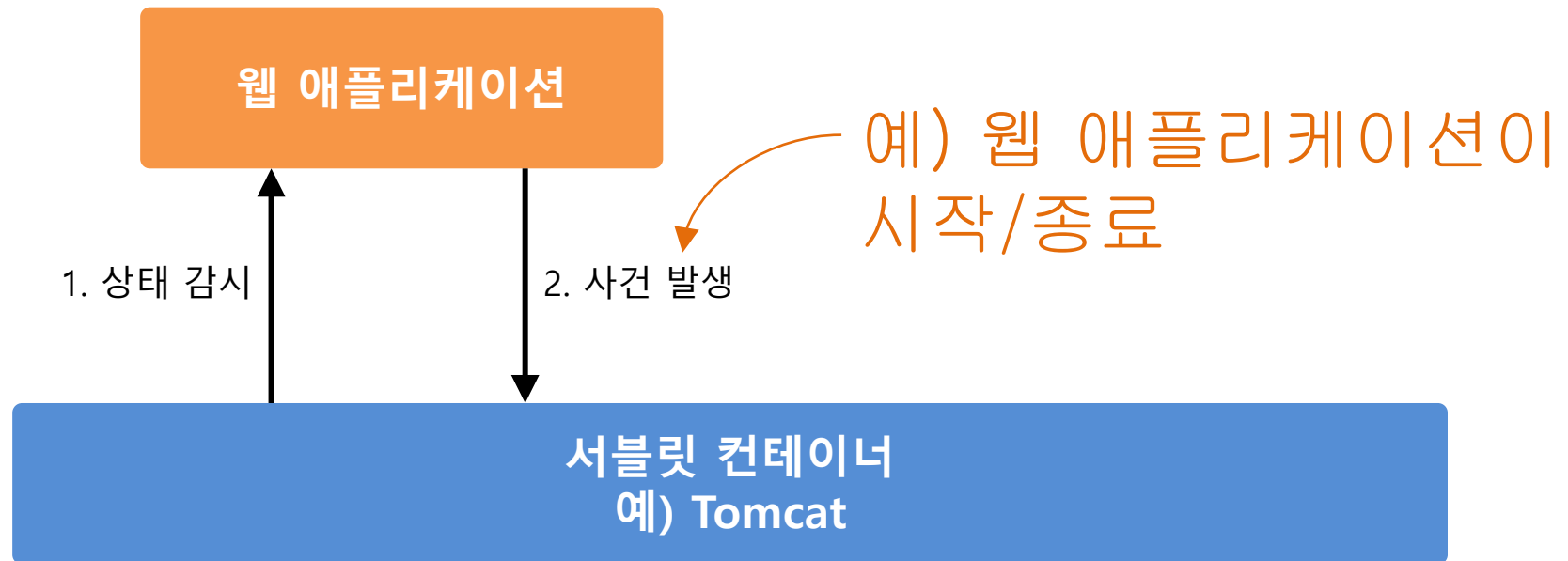
5.11 ServletContextListener와 객체 공유



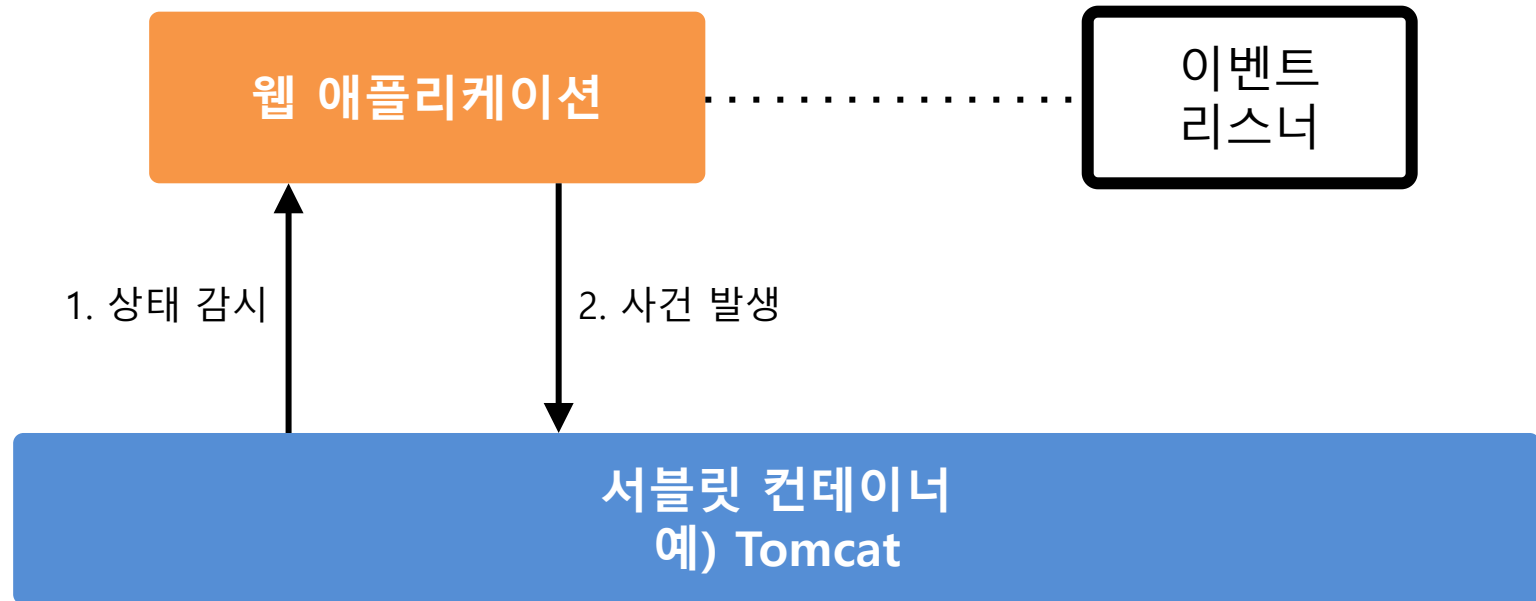
5.11 ServletContextListener와 객체 공유



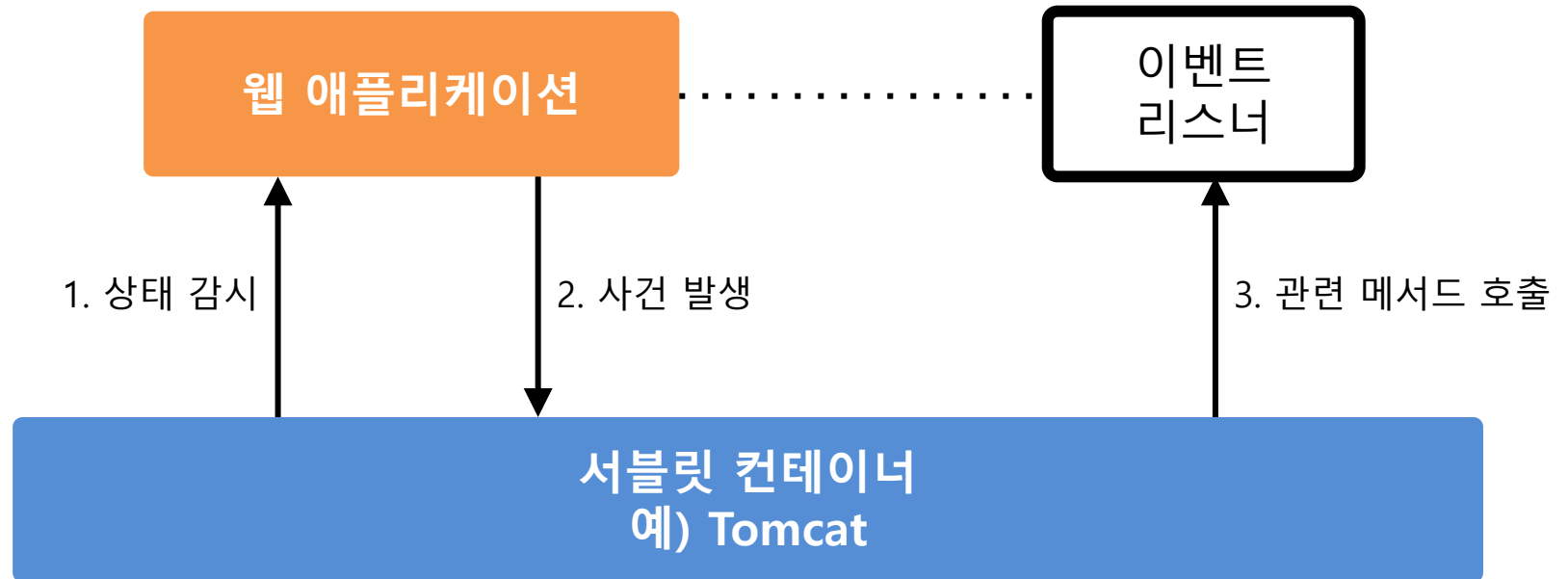
5.11 ServletContextListener와 객체 공유



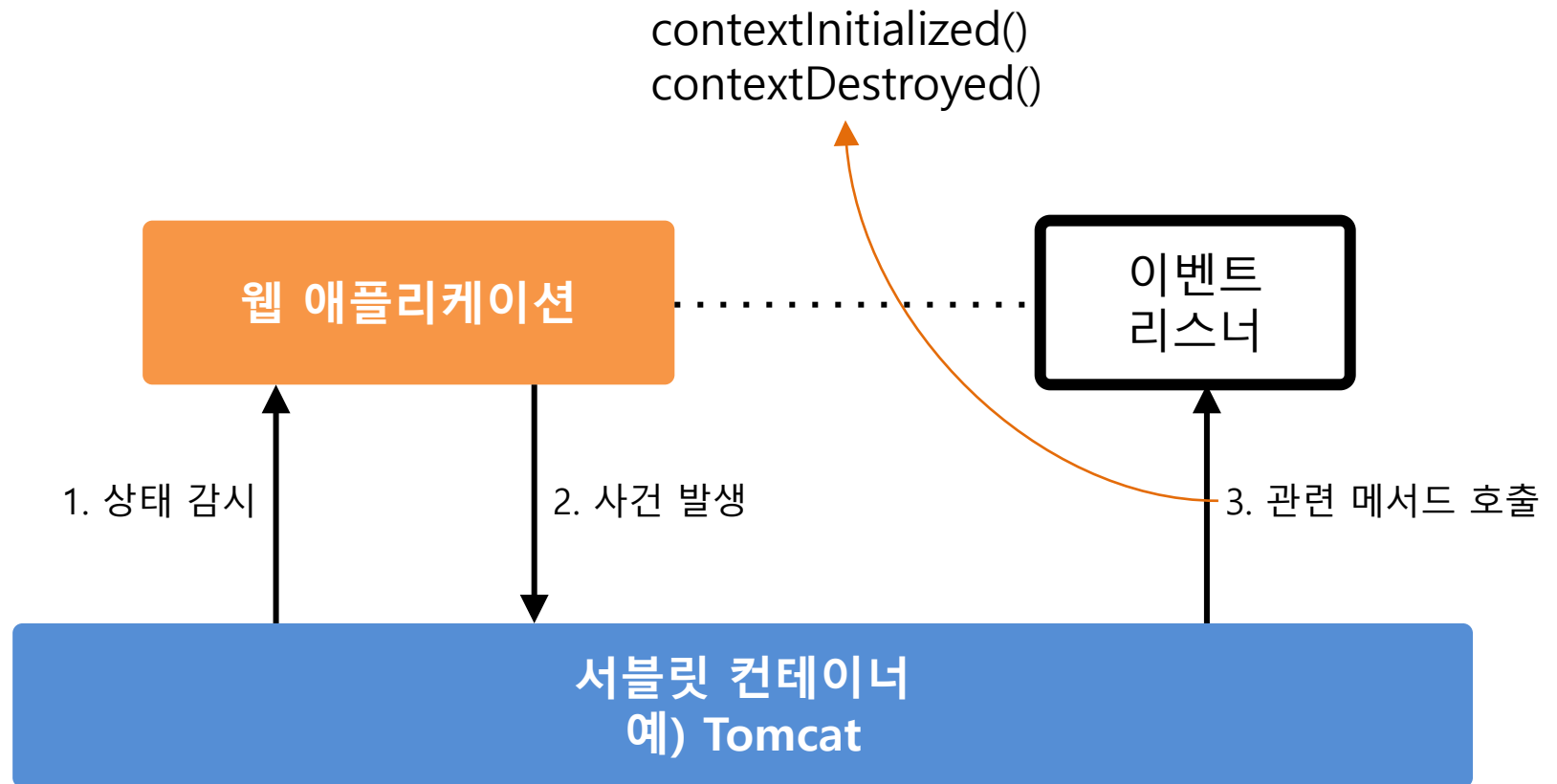
5.11 ServletContextListener와 객체 공유



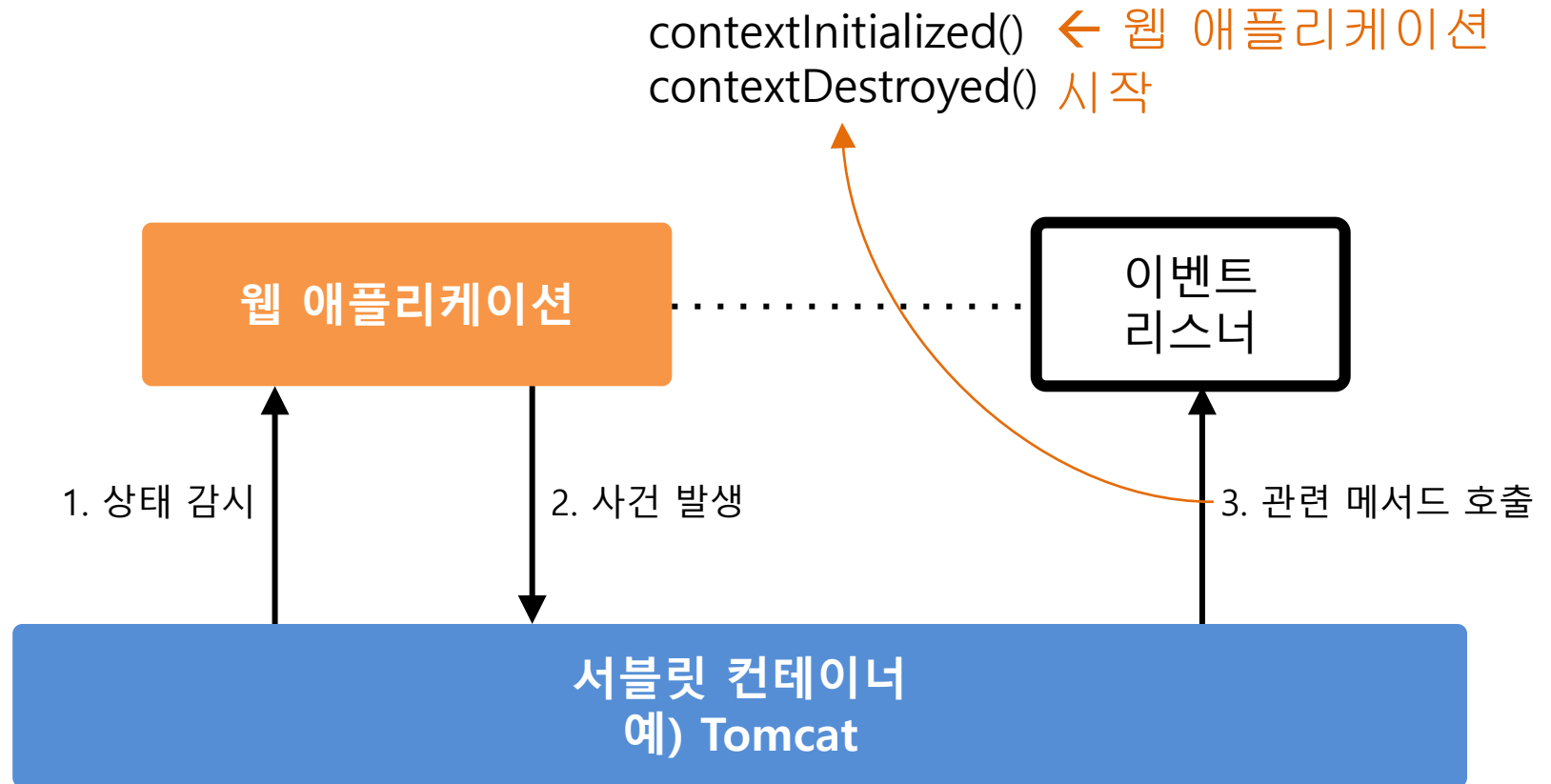
5.11 ServletContextListener와 객체 공유



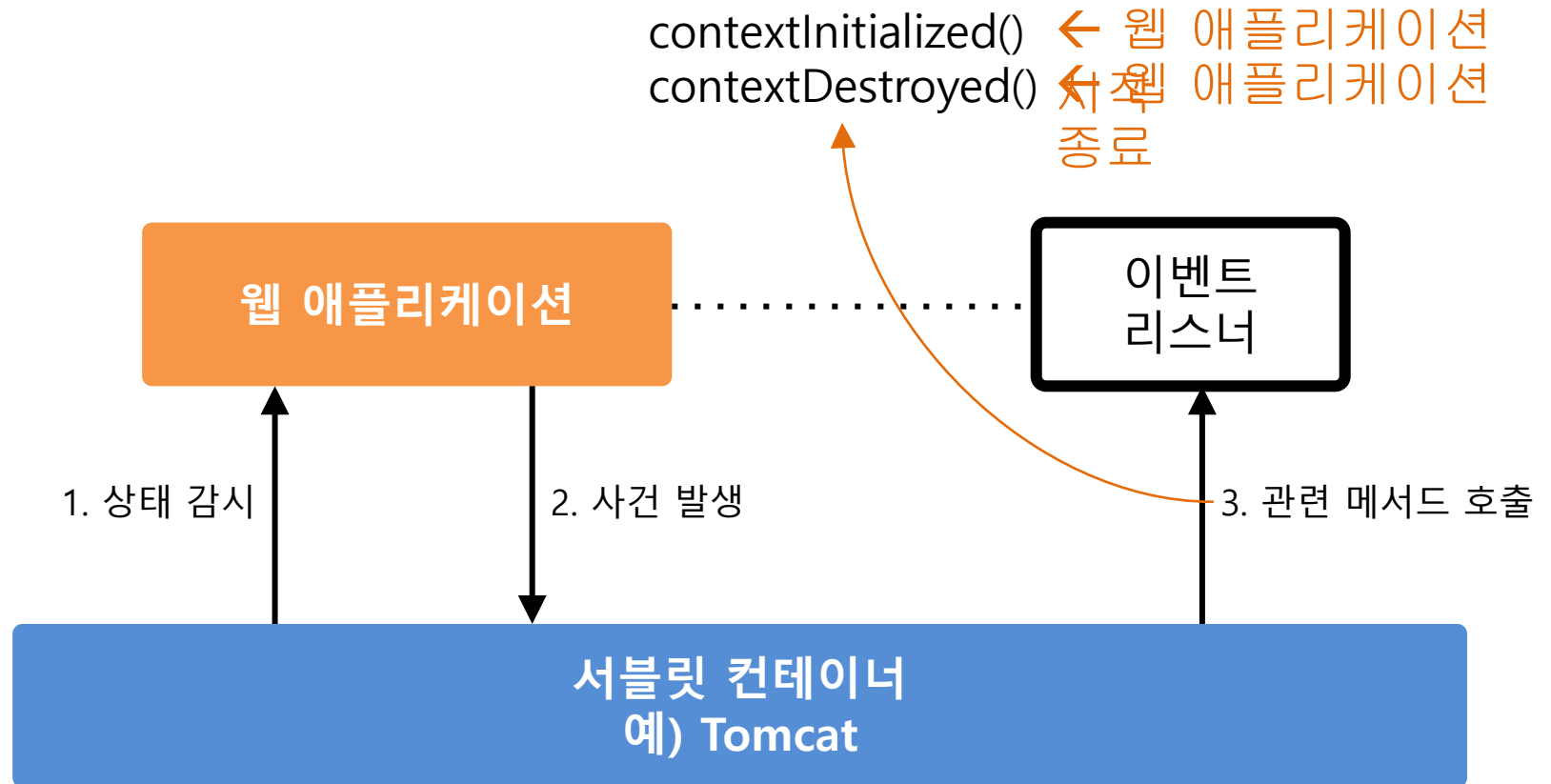
5.11 ServletContextListener와 객체 공유



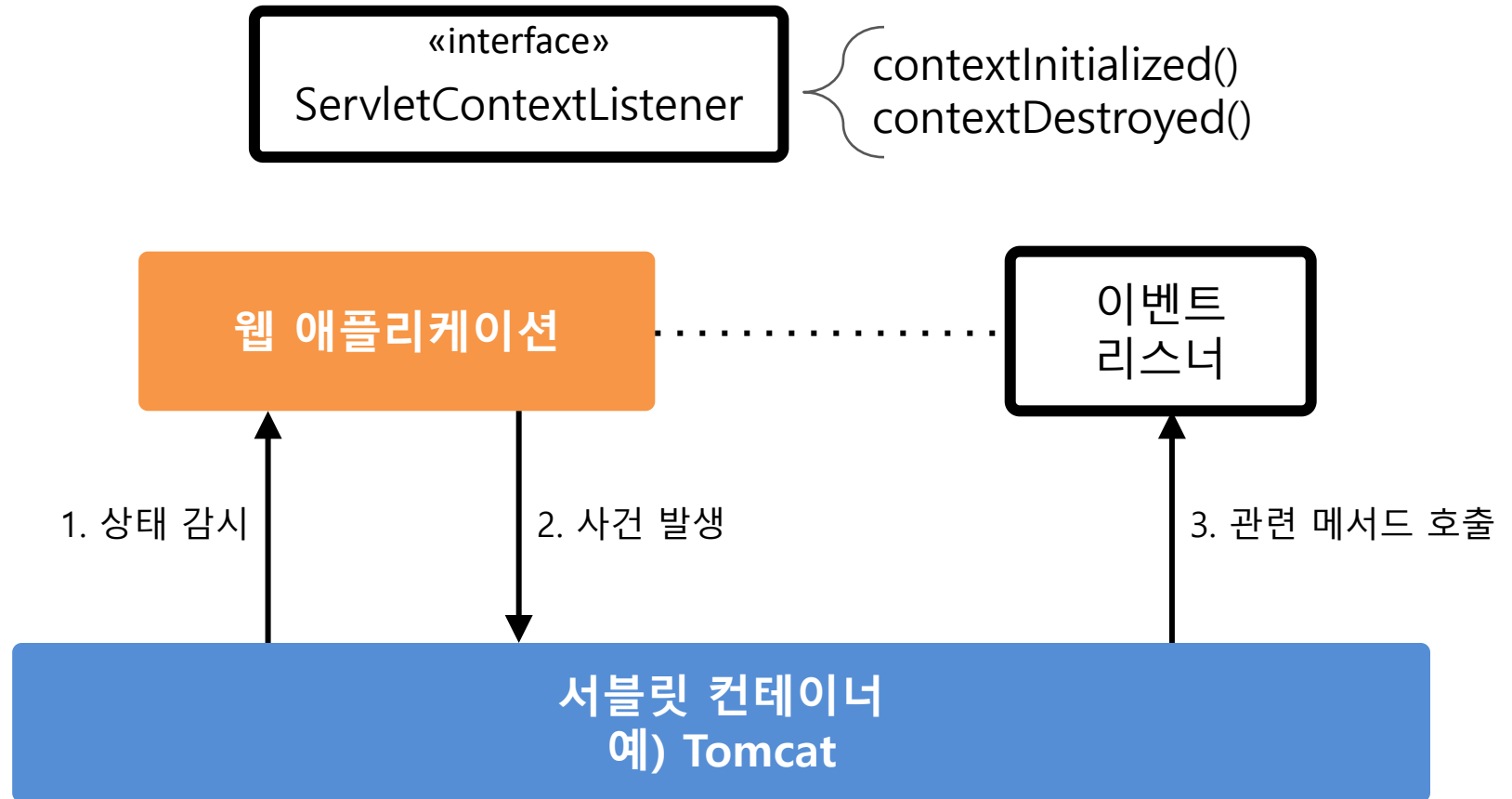
5.11 ServletContextListener와 객체 공유



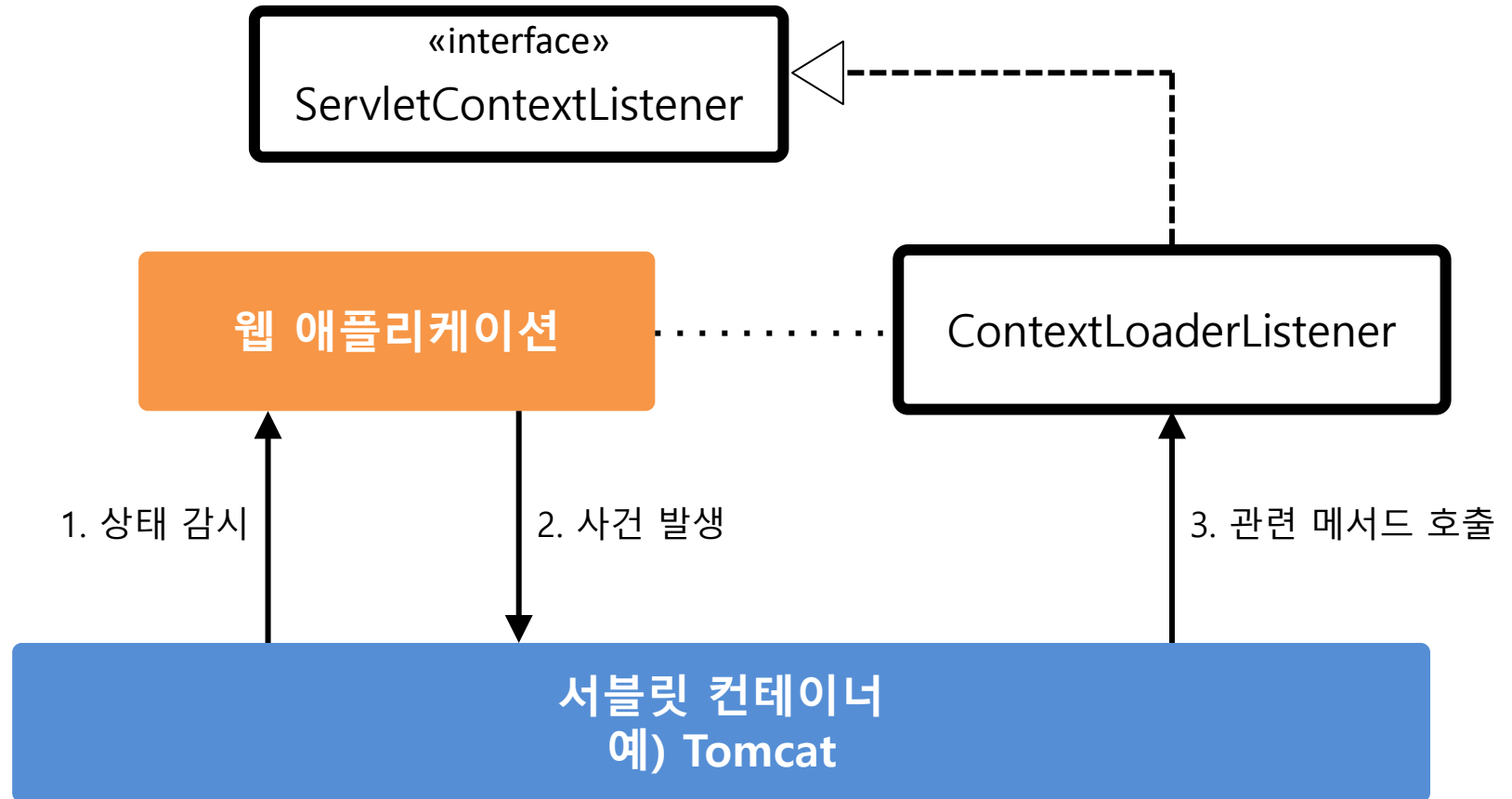
5.11 ServletContextListener와 객체 공유



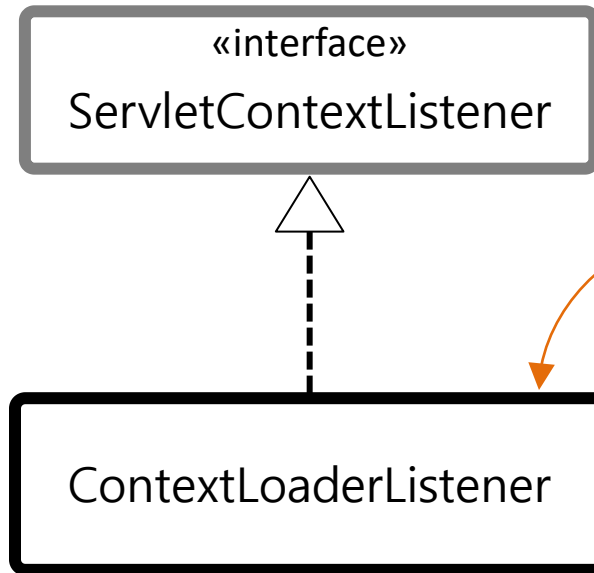
5.11 ServletContextListener와 객체 공유



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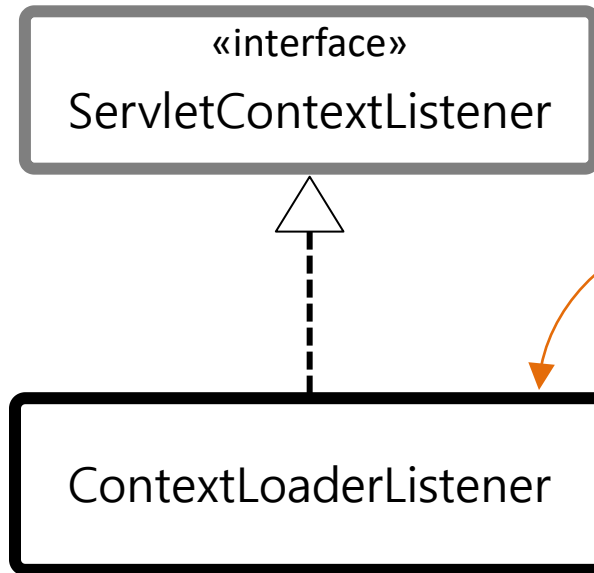


5.11 ServletContextListener와 객체 공유



서블릿들이
공유하는 객체 준비
예) MemberDao

5.11 ServletContextListener와 객체 공유



서블릿들이
공유하는 객체 준비
예) MemberDao

web.xml

```
<listener>
  <listener-class>spms.listeners.ContextLoaderListener</listener-class>
</listener>
```

책 오류 정정

393페이지 – MemberListServlet.java 소스

```
public void doGet(  
    HttpServletRequest request, HttpServletResponse response)  
    throws ServletException, IOException {  
    try {  
        ServletContext sc = this.getServletContext();  
        Connection conn = (Connection) sc.getAttribute("conn");  
  
        MemberDao memberDao = new MemberDao();  
        MemberDao memberDao = (MemberDao) sc.getAttribute("memberDao");  
        memberDao.setConnection(conn);  
    }  
}
```


책 오류 정정

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```

5.12 DB 커넥션풀

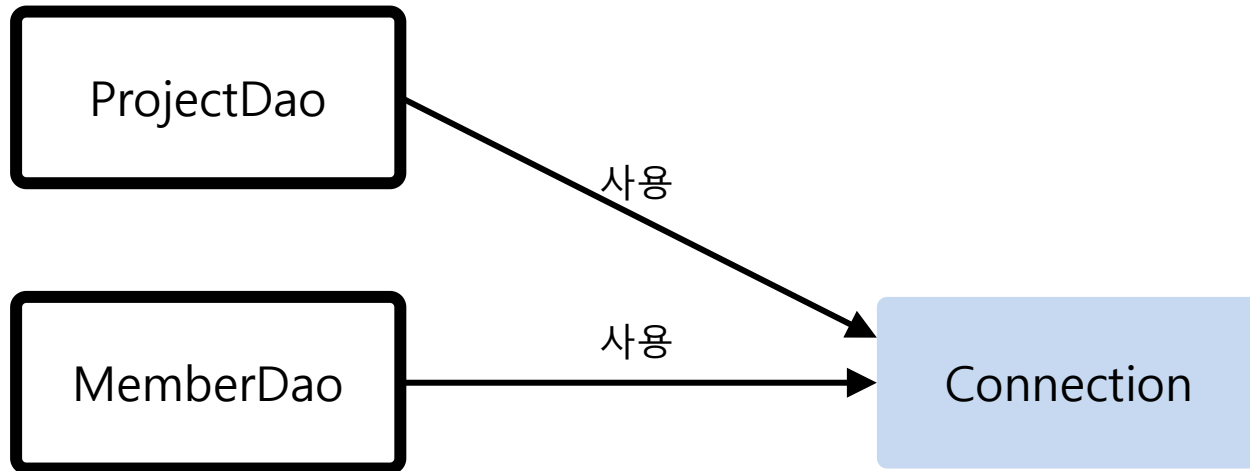
5.12 DB 커넥션풀

싱글 커넥션 사용



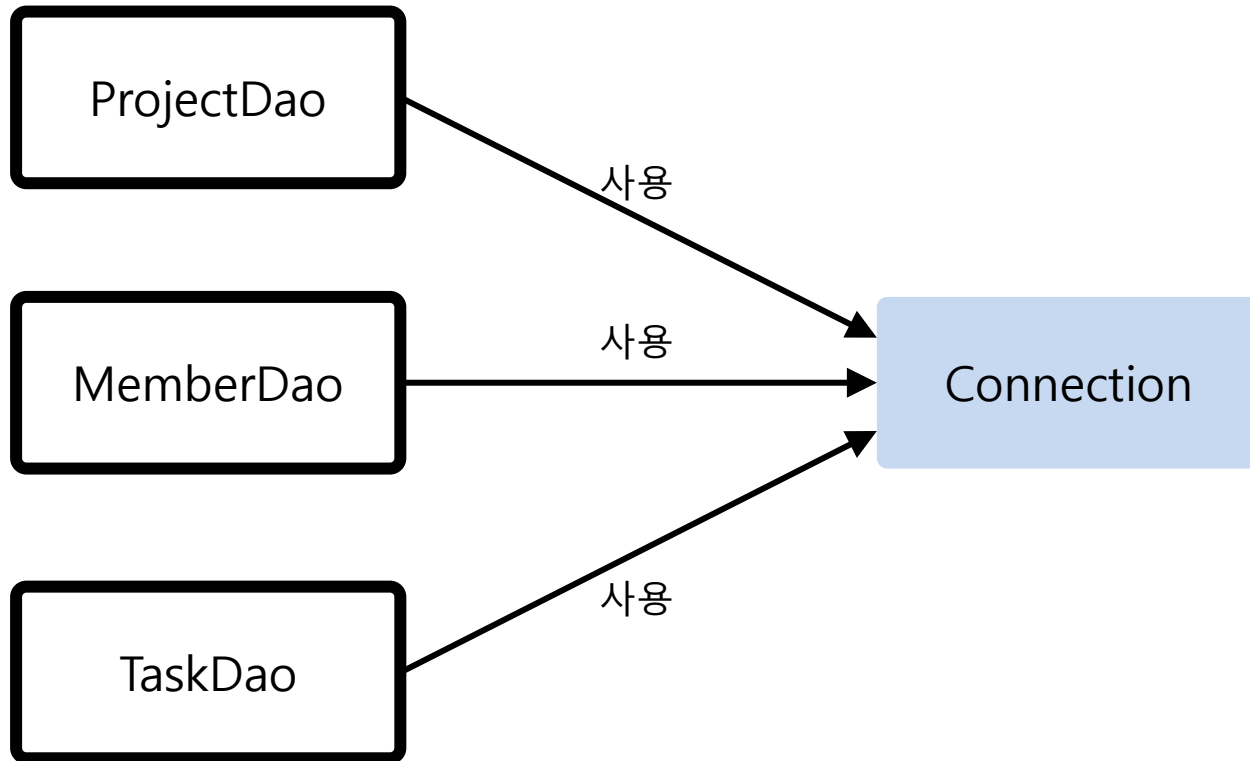
5.12 DB 커넥션풀

싱글 커넥션 사용



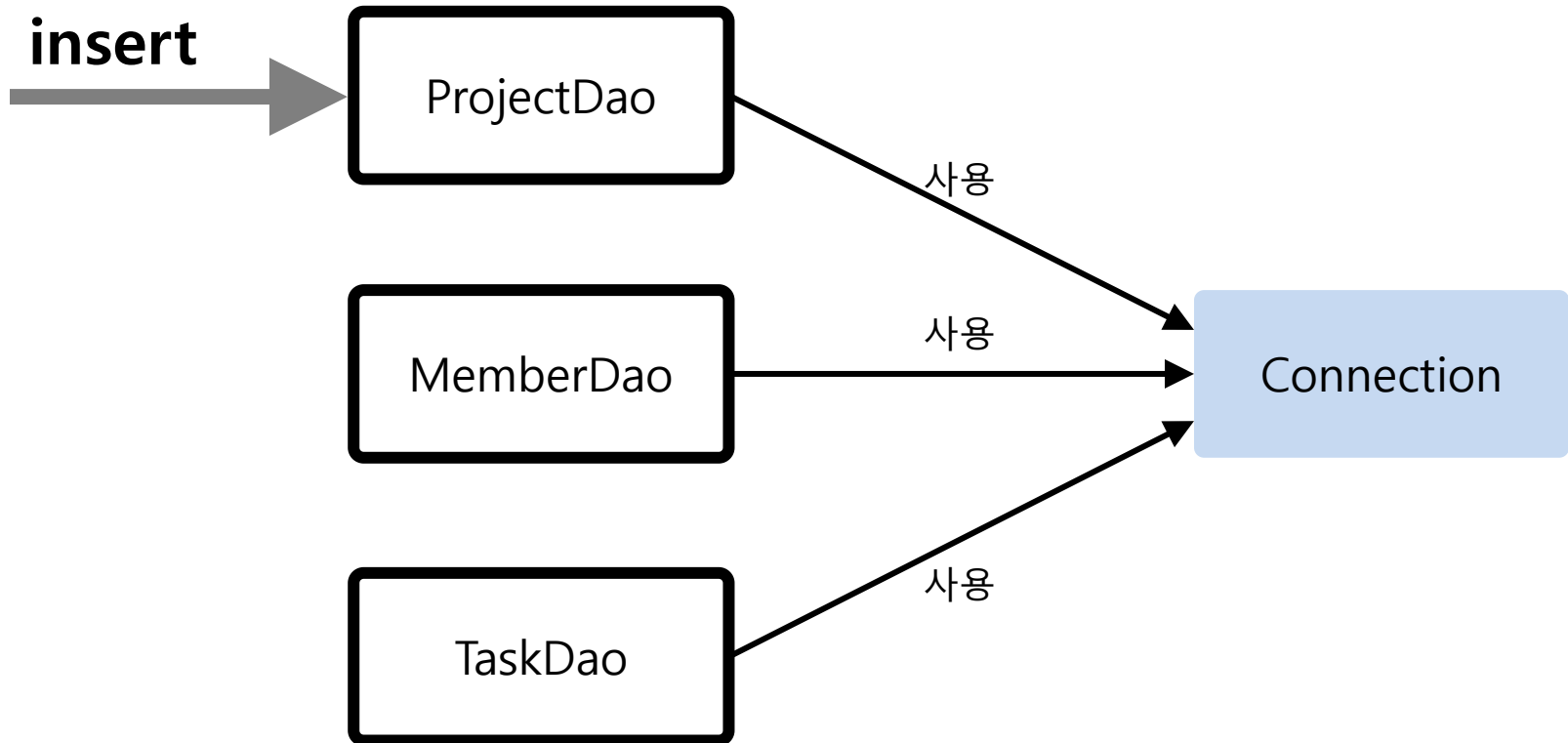
5.12 DB 커넥션풀

싱글 커넥션 사용



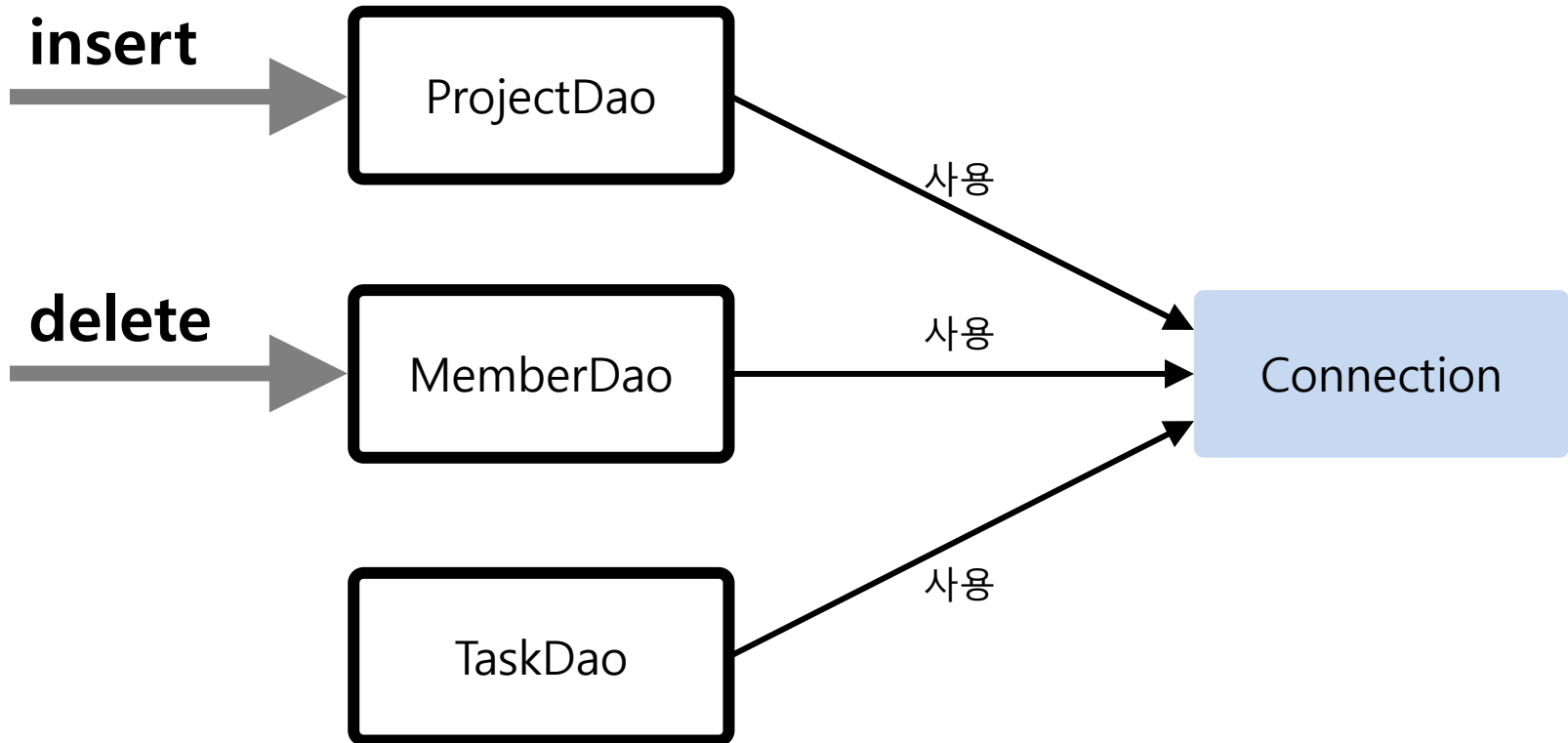
5.12 DB 커넥션풀

싱글 커넥션 사용



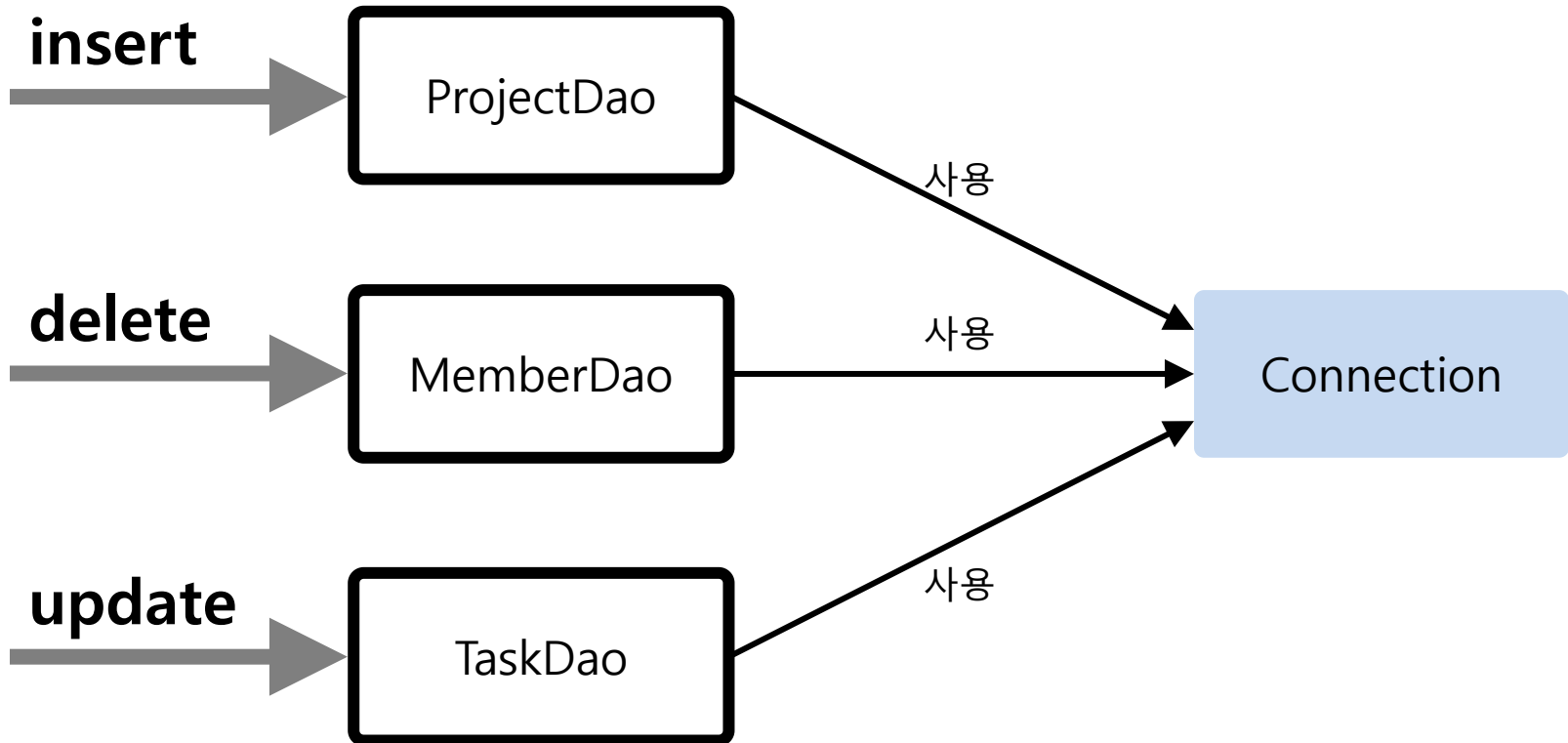
5.12 DB 커넥션풀

싱글 커넥션 사용



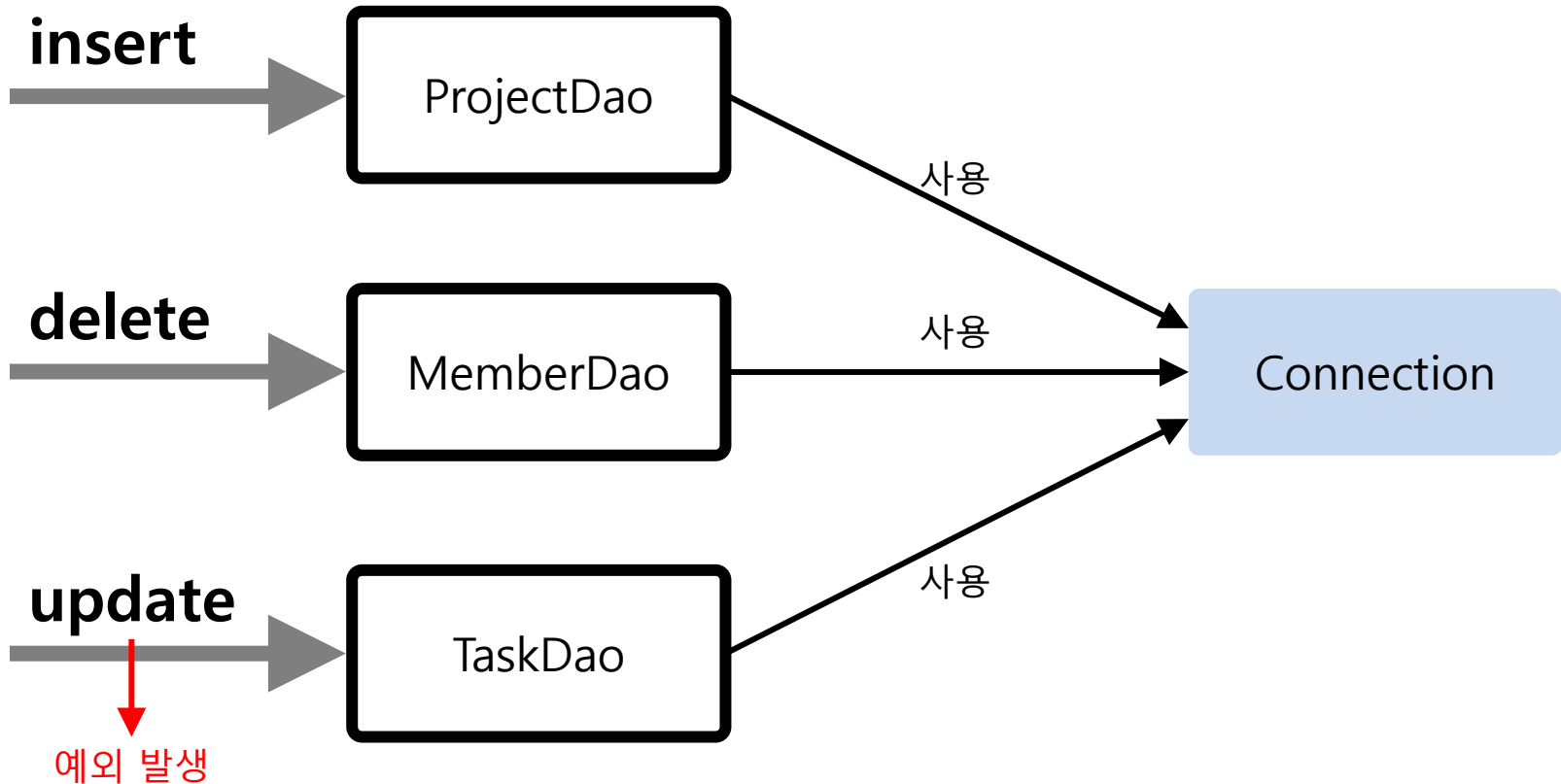
5.12 DB 커넥션풀

싱글 커넥션 사용



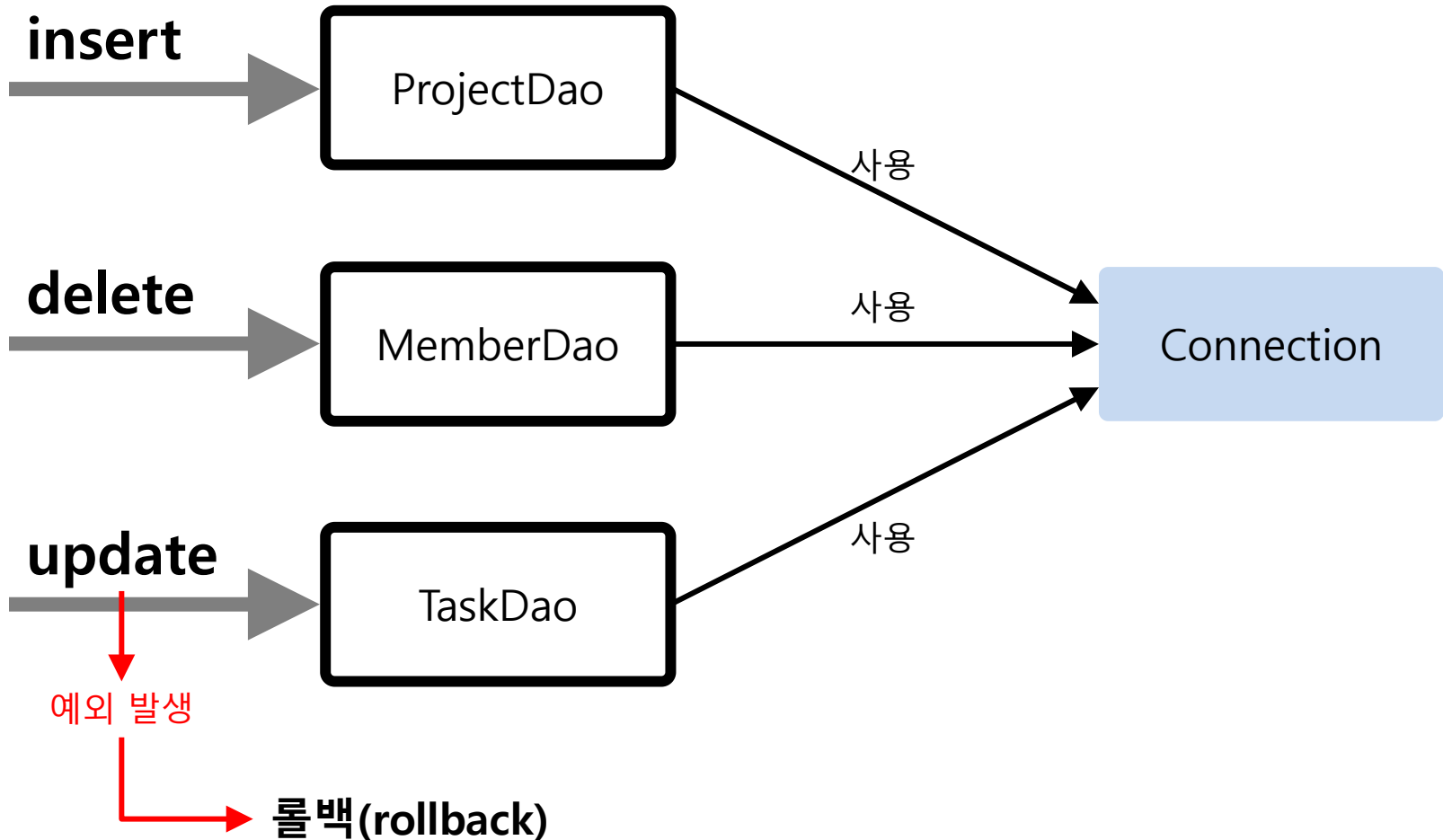
5.12 DB 커넥션풀

싱글 커넥션 사용



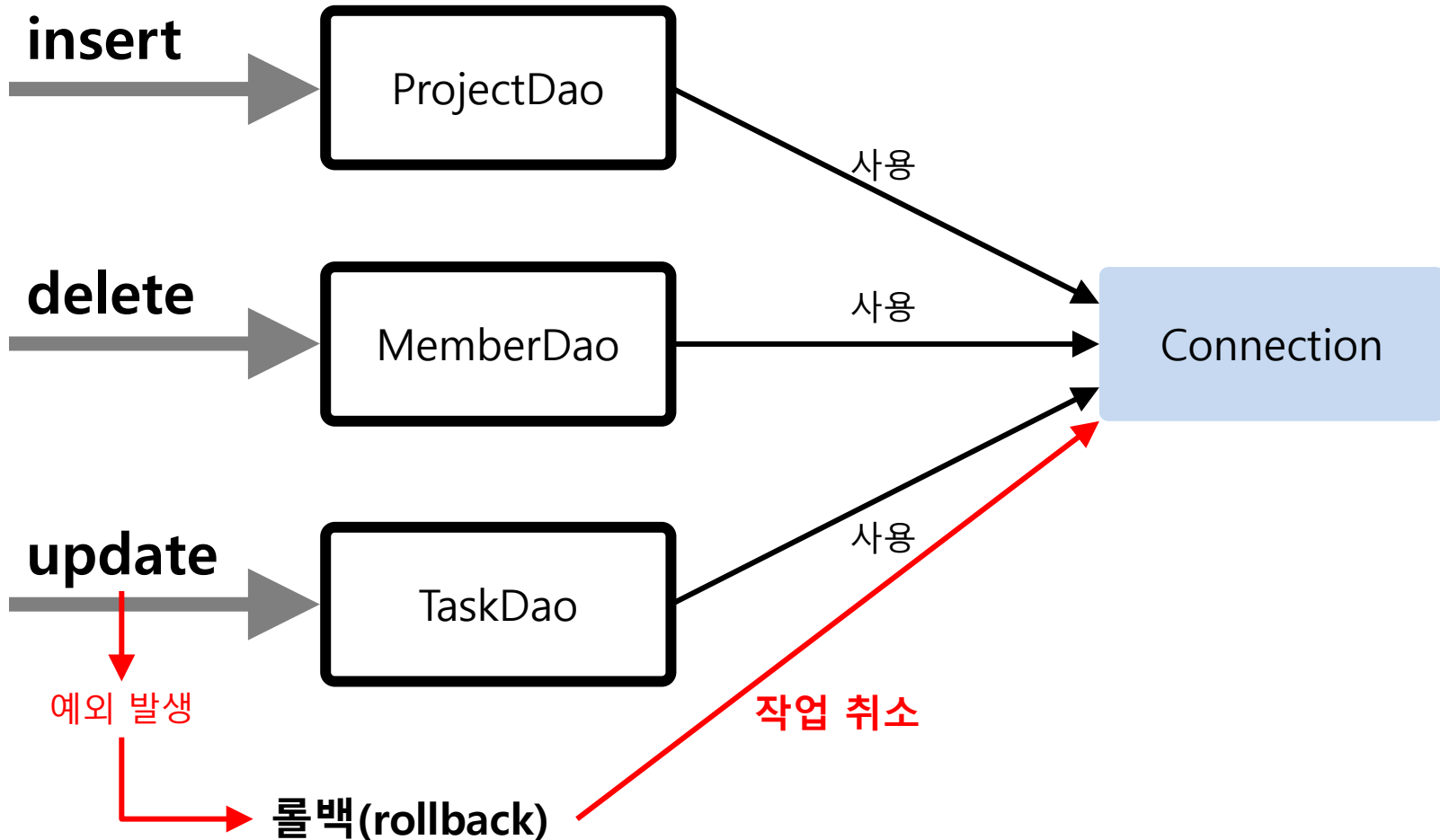
5.12 DB 커넥션풀

싱글 커넥션 사용

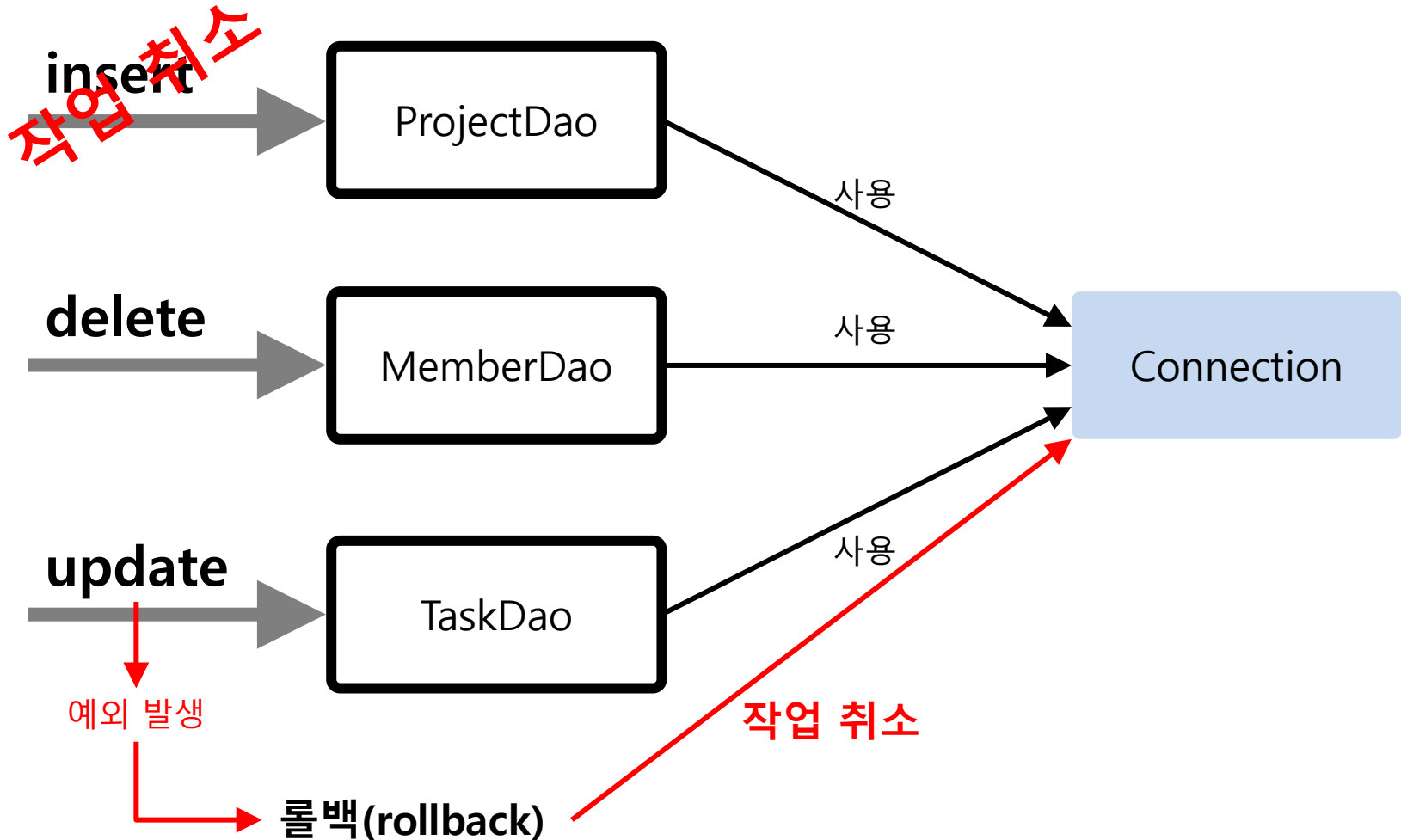


5.12 DB 커넥션풀

싱글 커넥션 사용

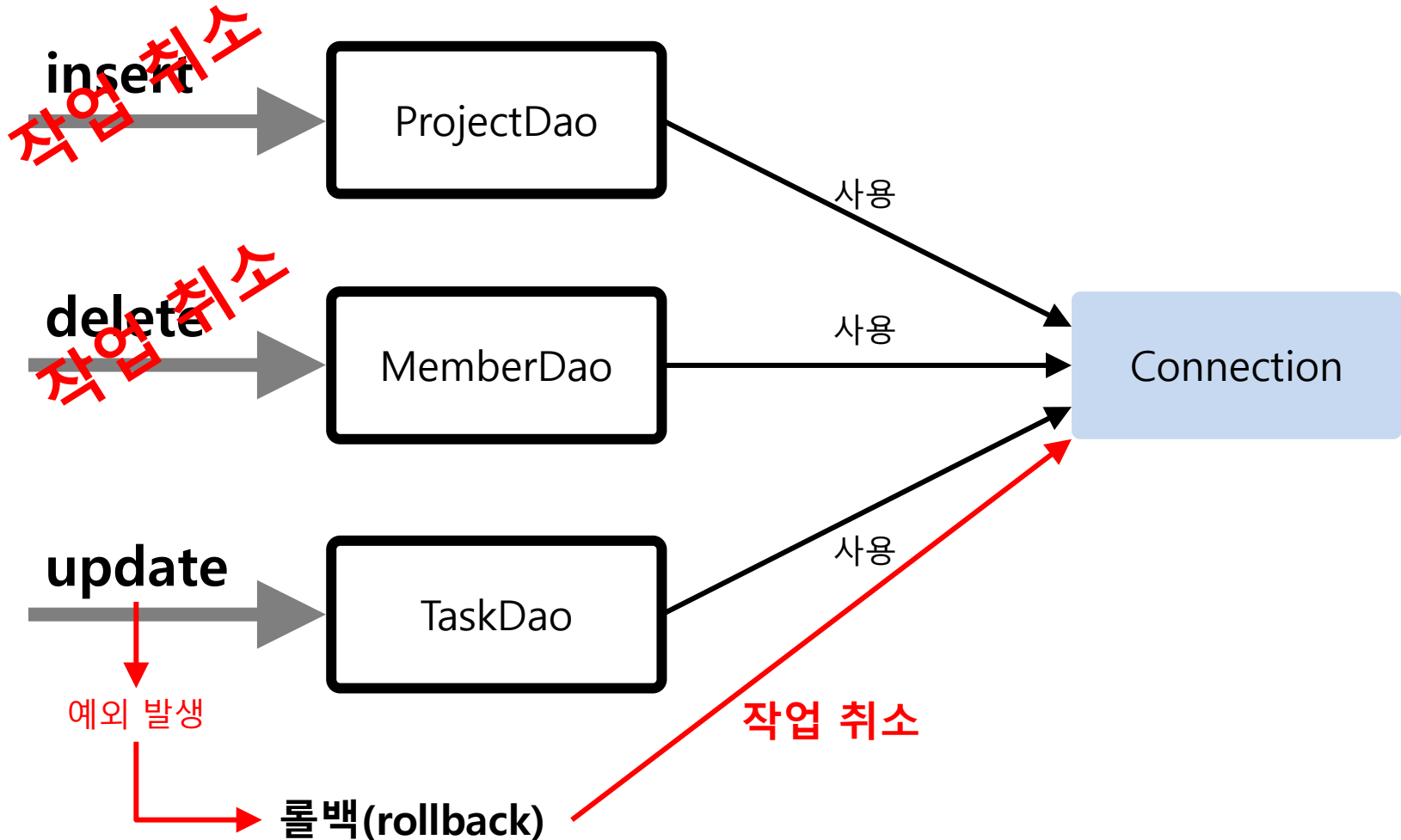


싱글 커넥션 사용



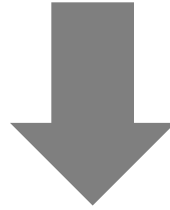
5.12 DB 커넥션풀

싱글 커넥션 사용



싱글 커넥션 사용

싱글 커넥션 사용

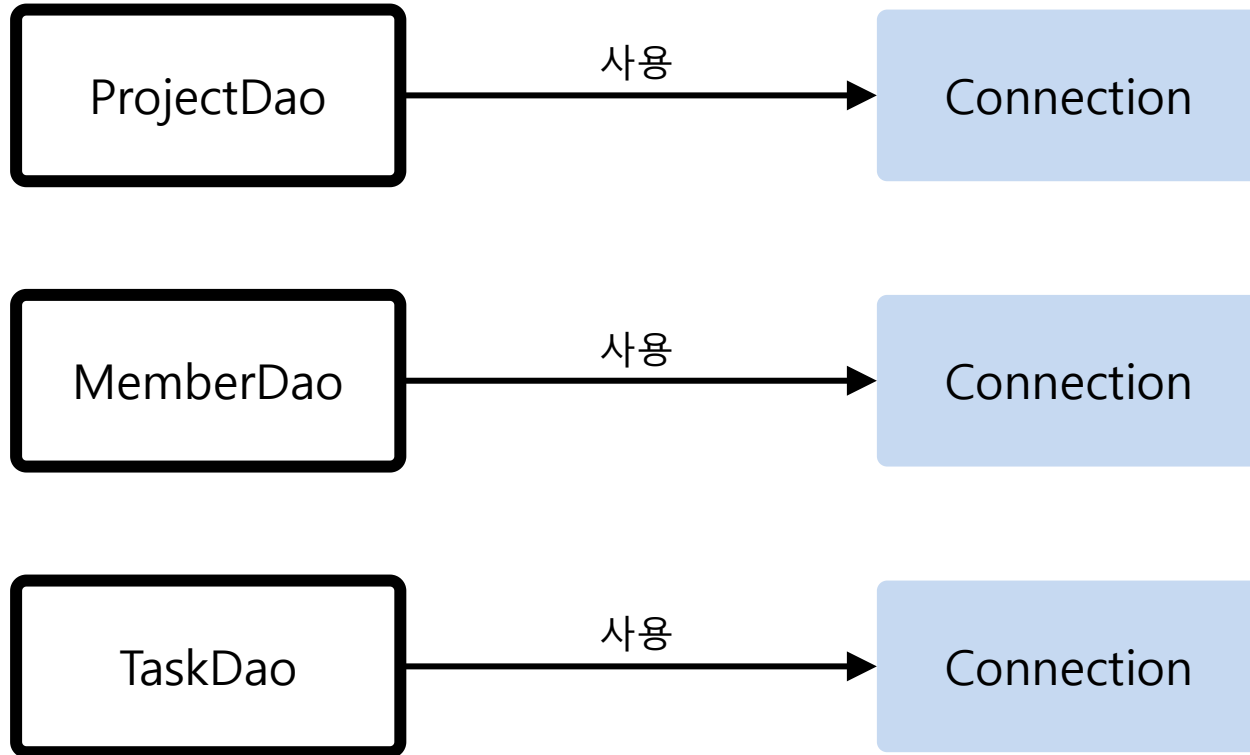


같은 커넥션을 이용하는
DAO들의 작업에 영향을 준다

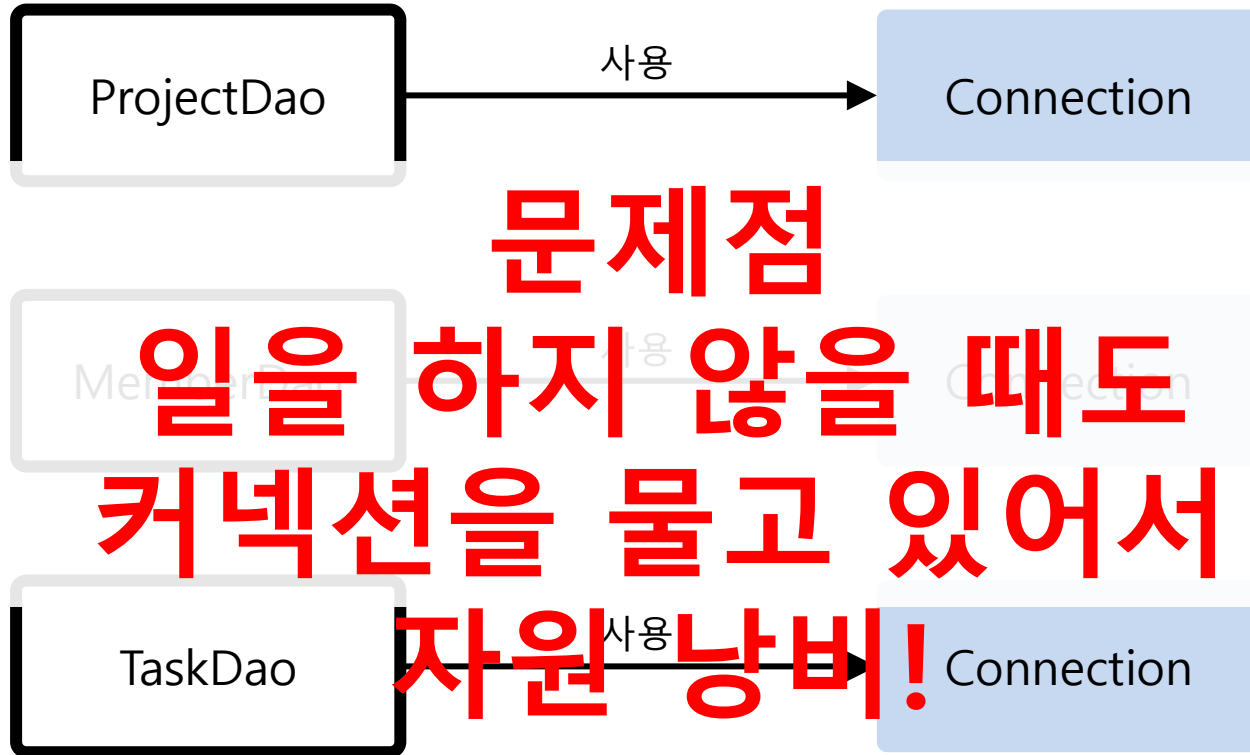
5.12 DB 커넥션풀

해결책?

각 DAO 별로 커넥션 할당?

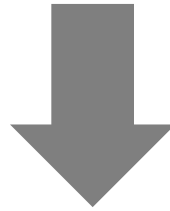


각 DAO 별로 커넥션 할당?



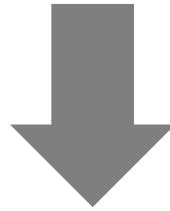
한정된 자원을 효율적으로
사용하는 방법?

한정된 자원을 효율적으로
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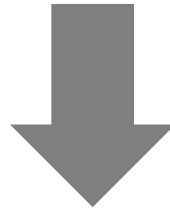
대여!

한정된 자원을 효율적으로
사용하는 방법?



대여 = 풀링(pooling) 기법

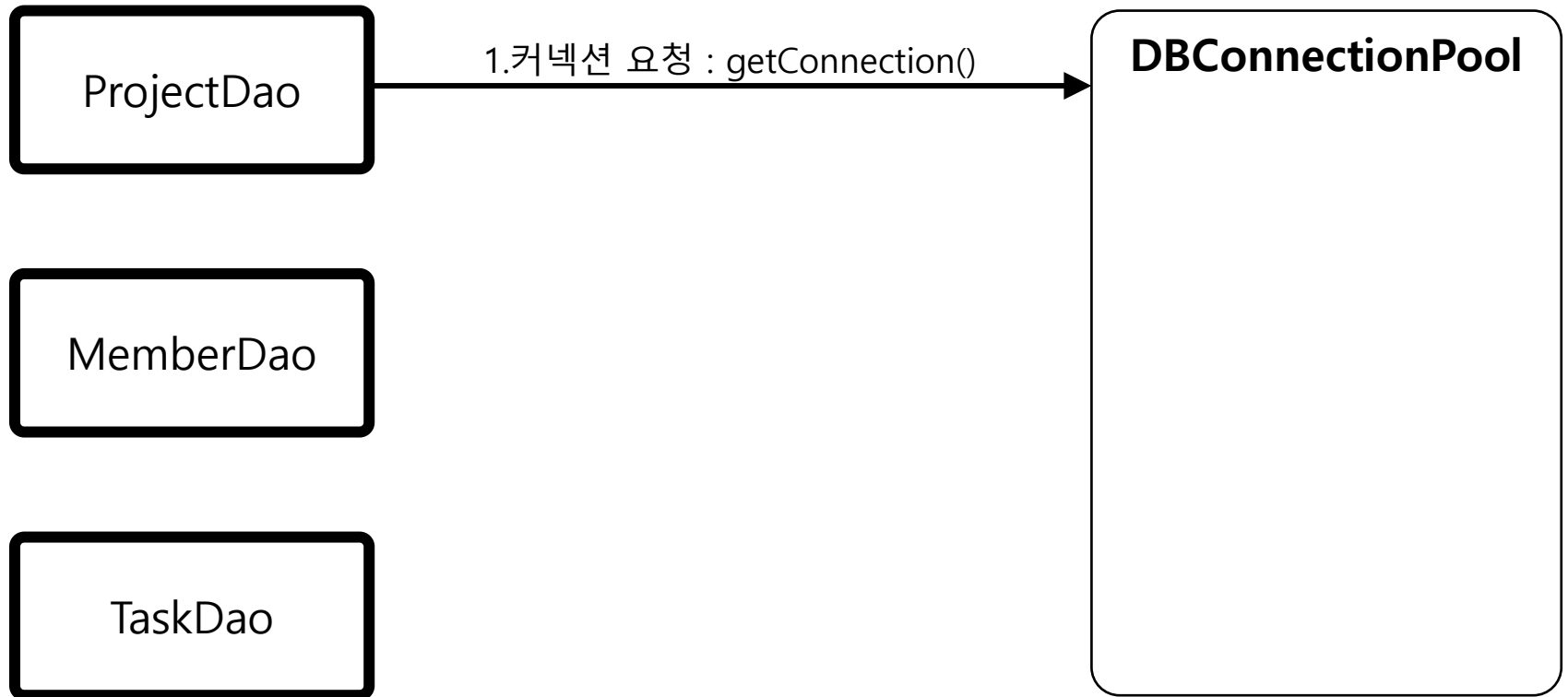
한정된 자원을 효율적으로
사용하는 방법?



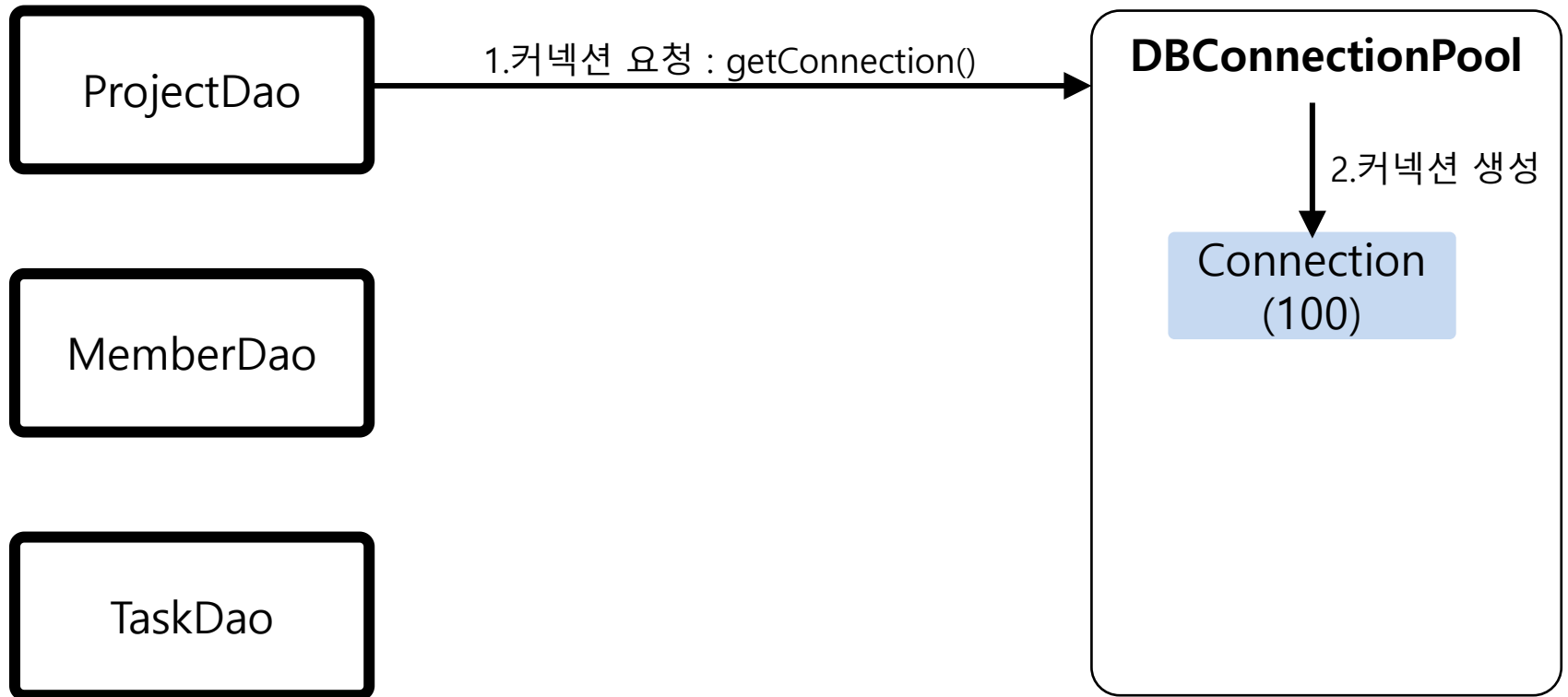
DB 커넥션풀

5.12 DB 커넥션풀

DB 커넥션풀 적용

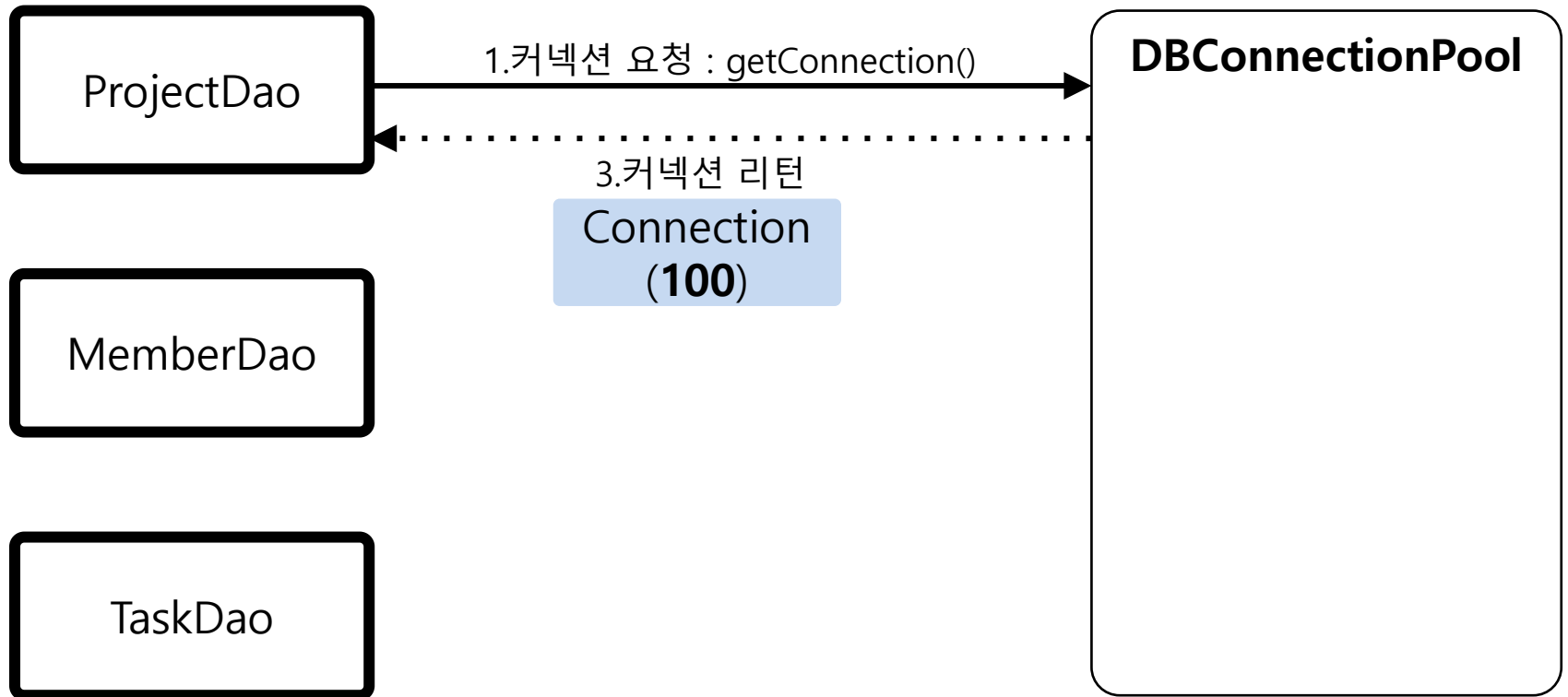


DB 커넥션풀 적용

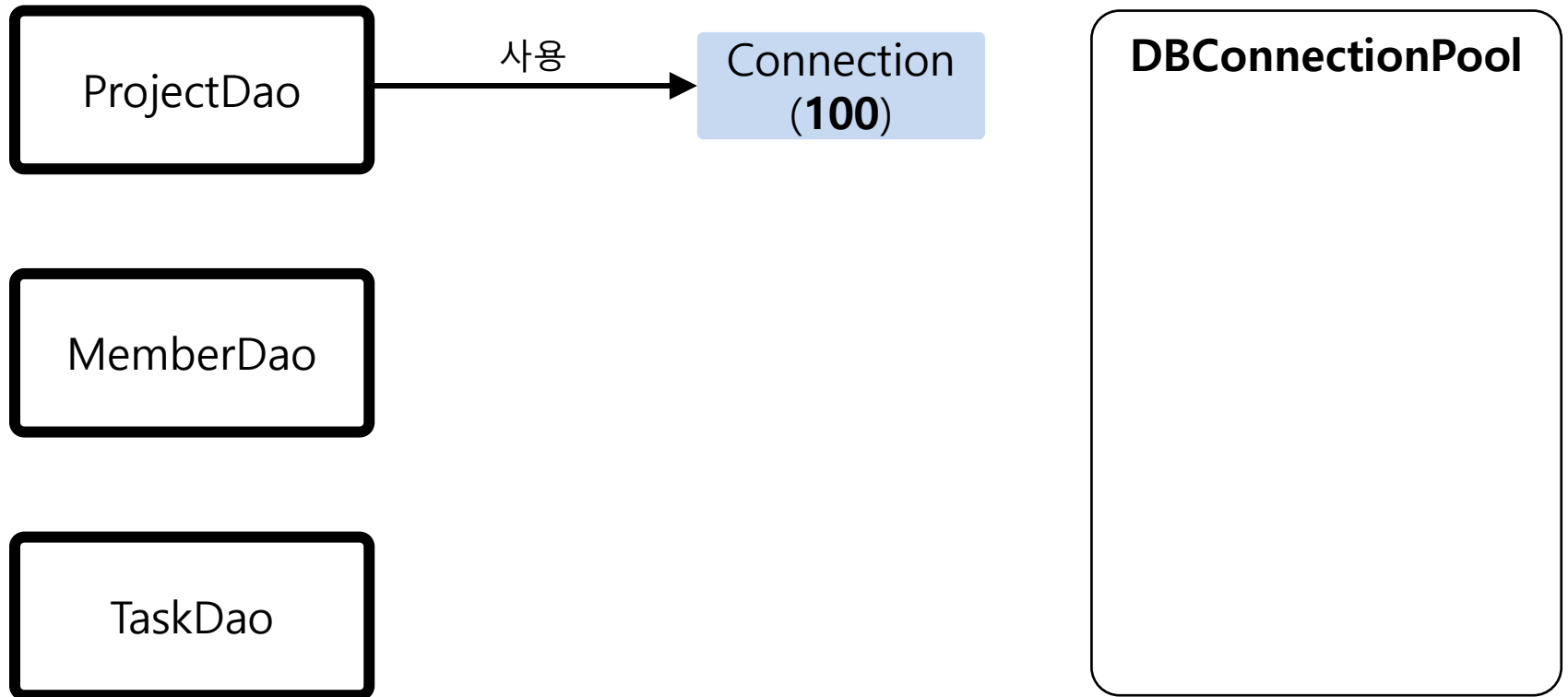


5.12 DB 커넥션풀

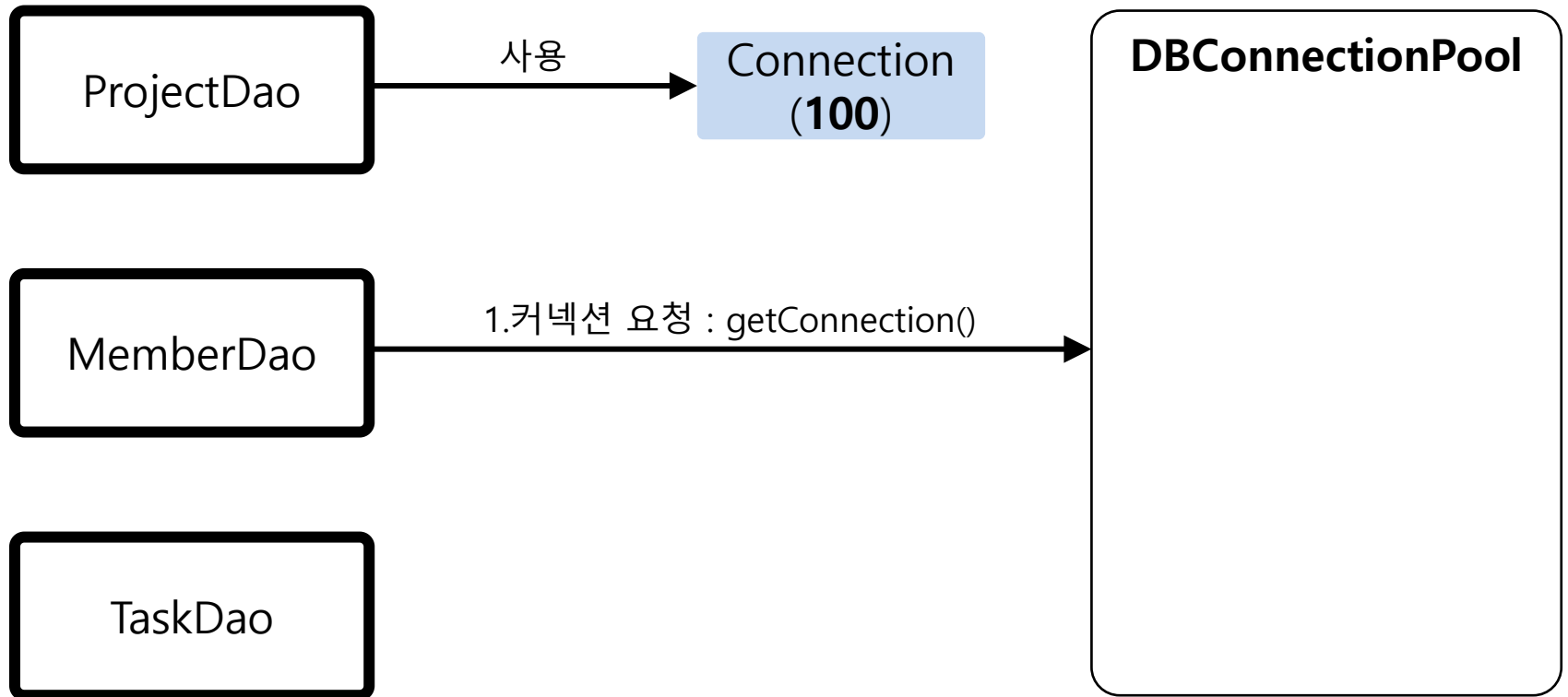
DB 커넥션풀 적용



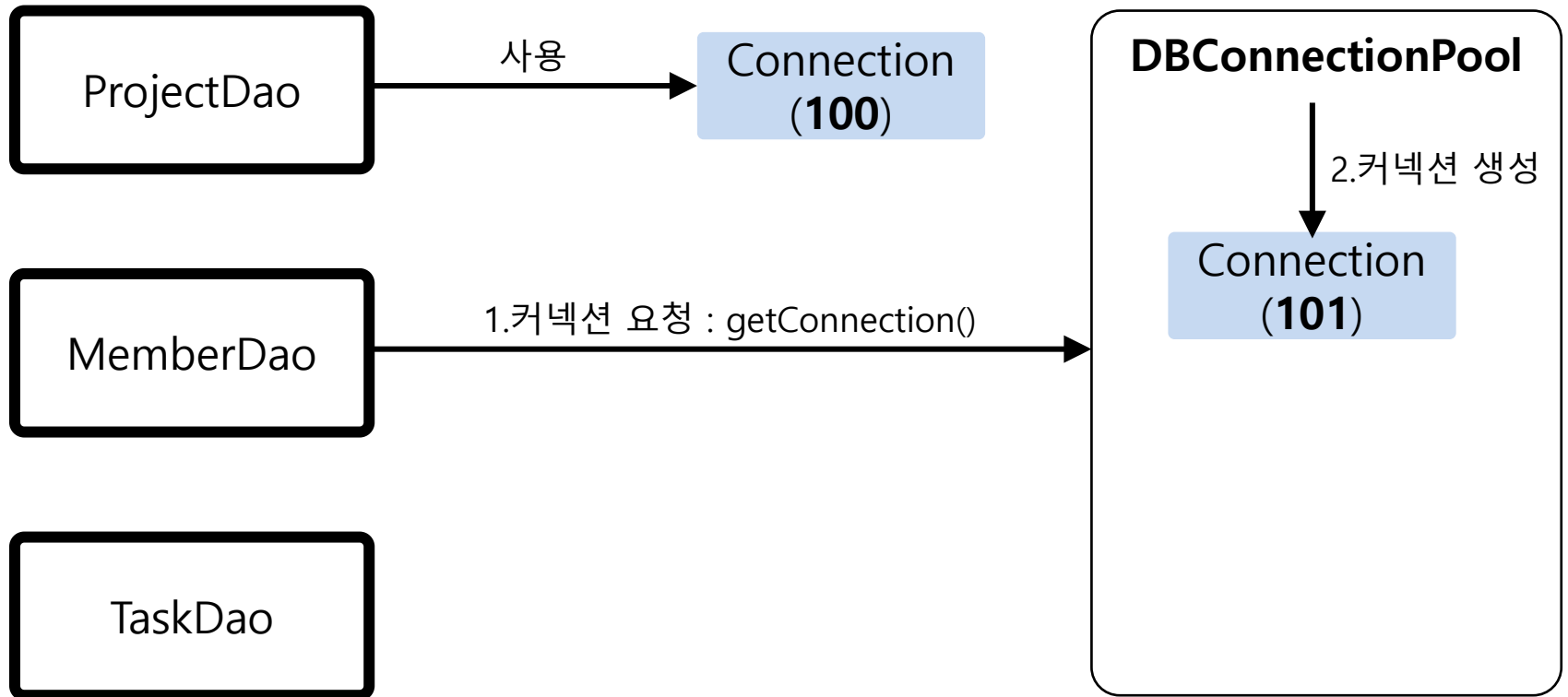
DB 커넥션풀 적용



DB 커넥션풀 적용

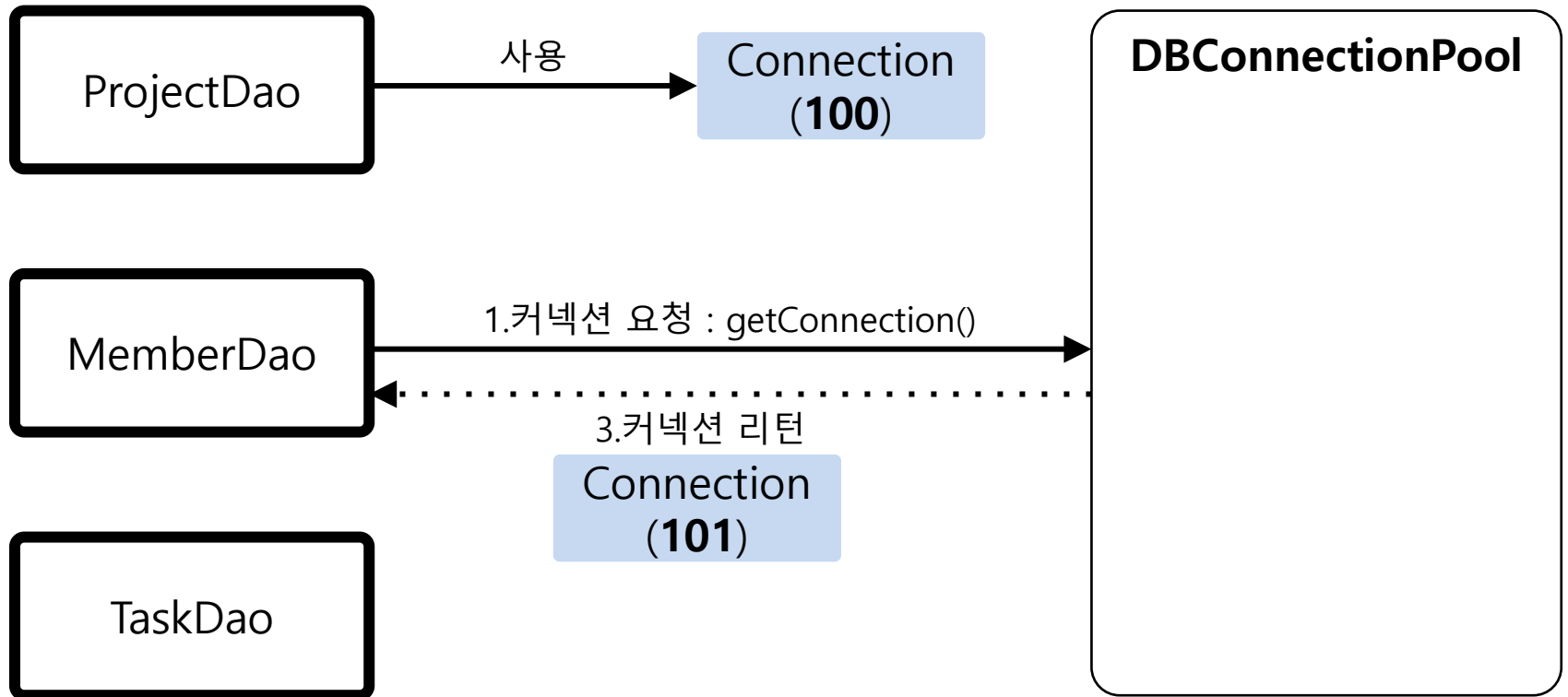


DB 커넥션풀 적용

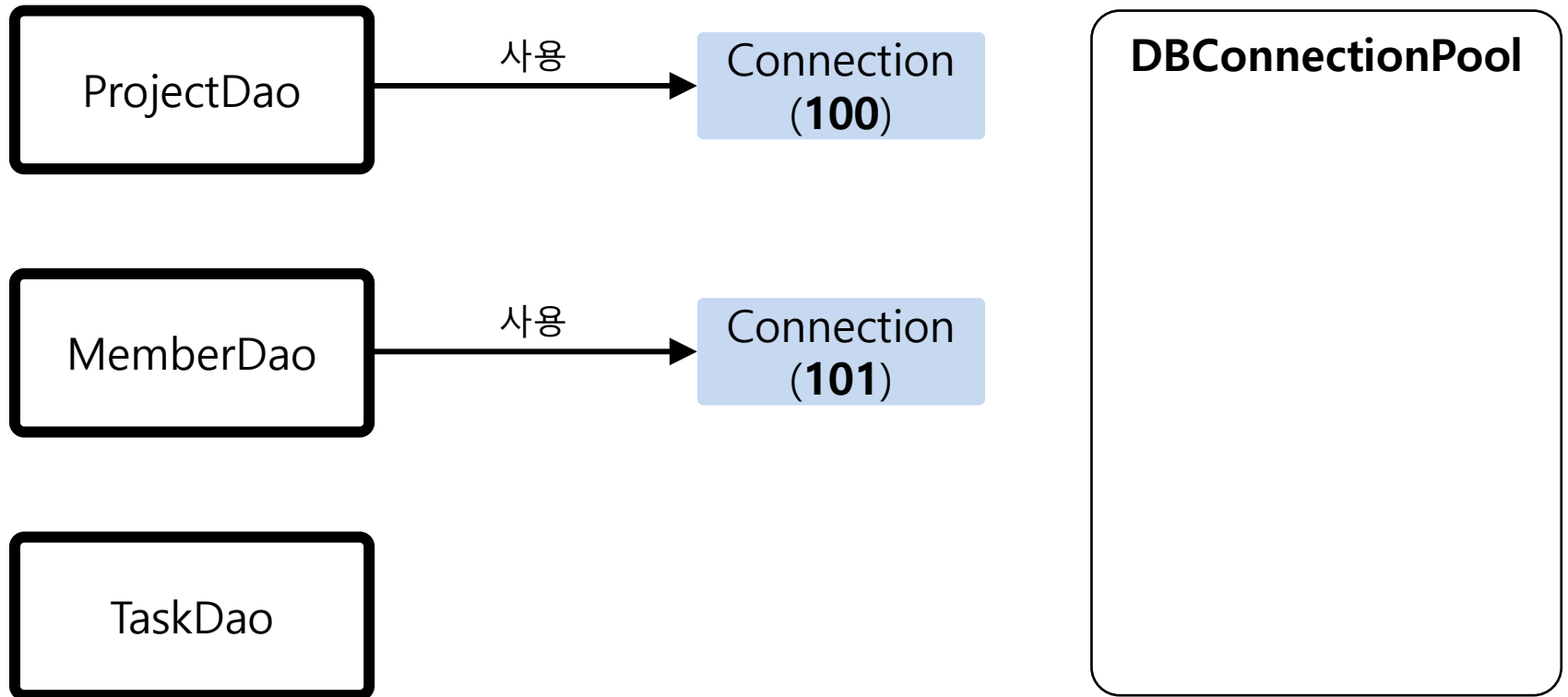


5.12 DB 커넥션풀

DB 커넥션풀 적용

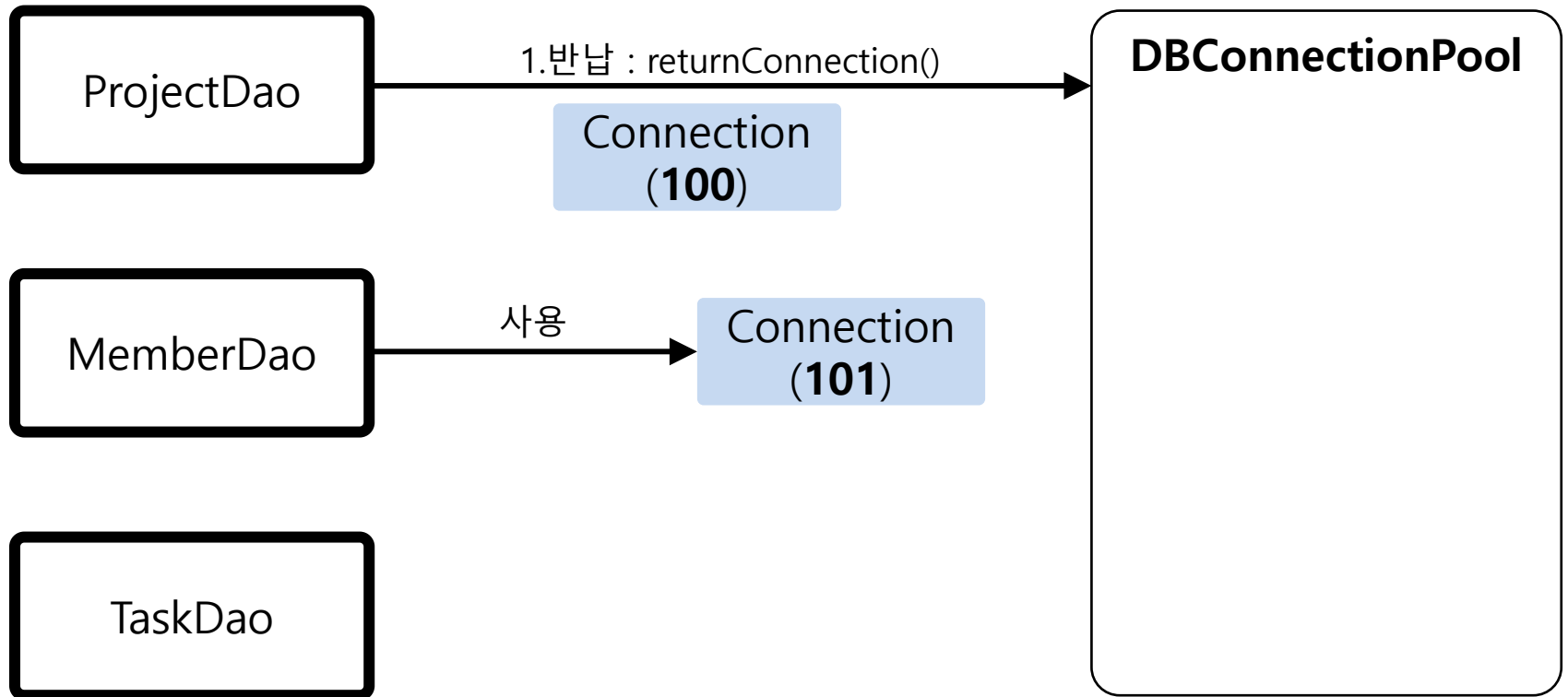


DB 커넥션풀 적용

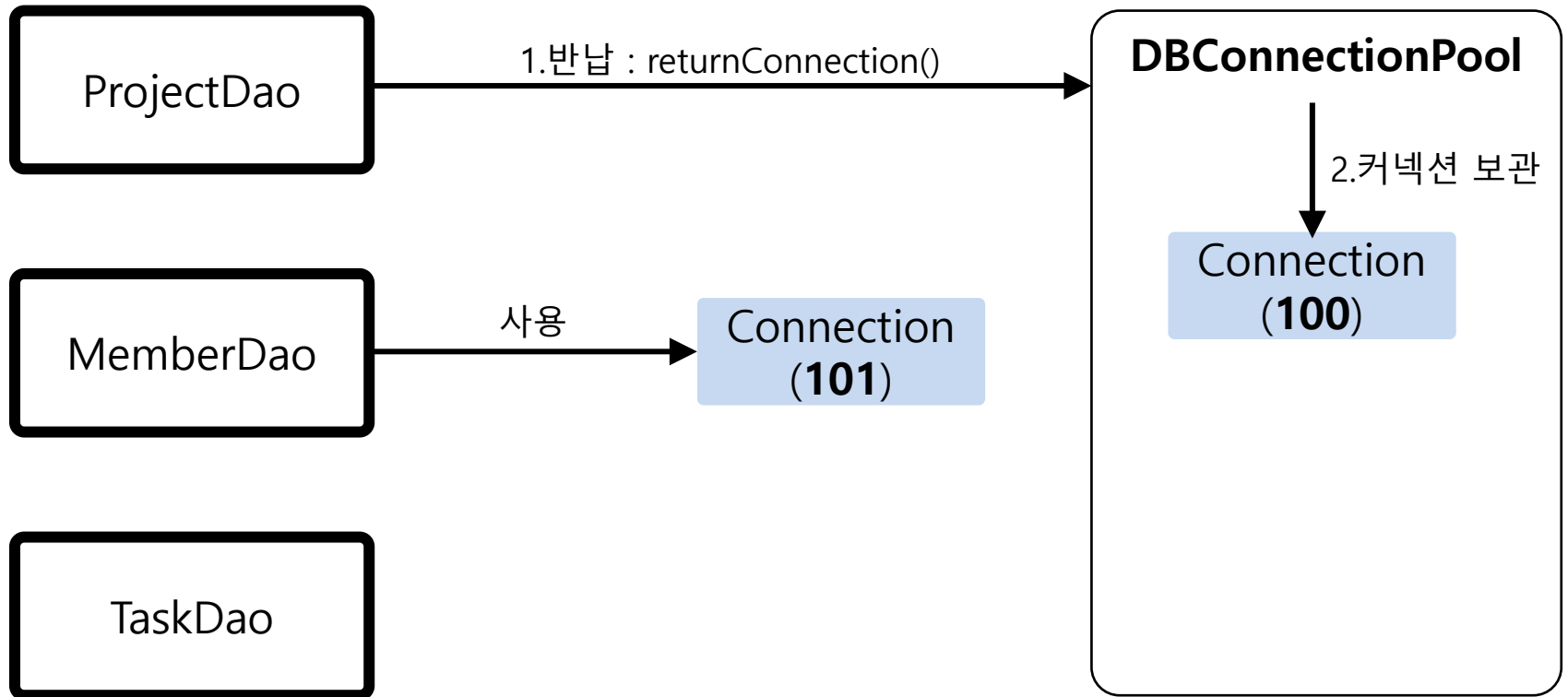


5.12 DB 커넥션풀

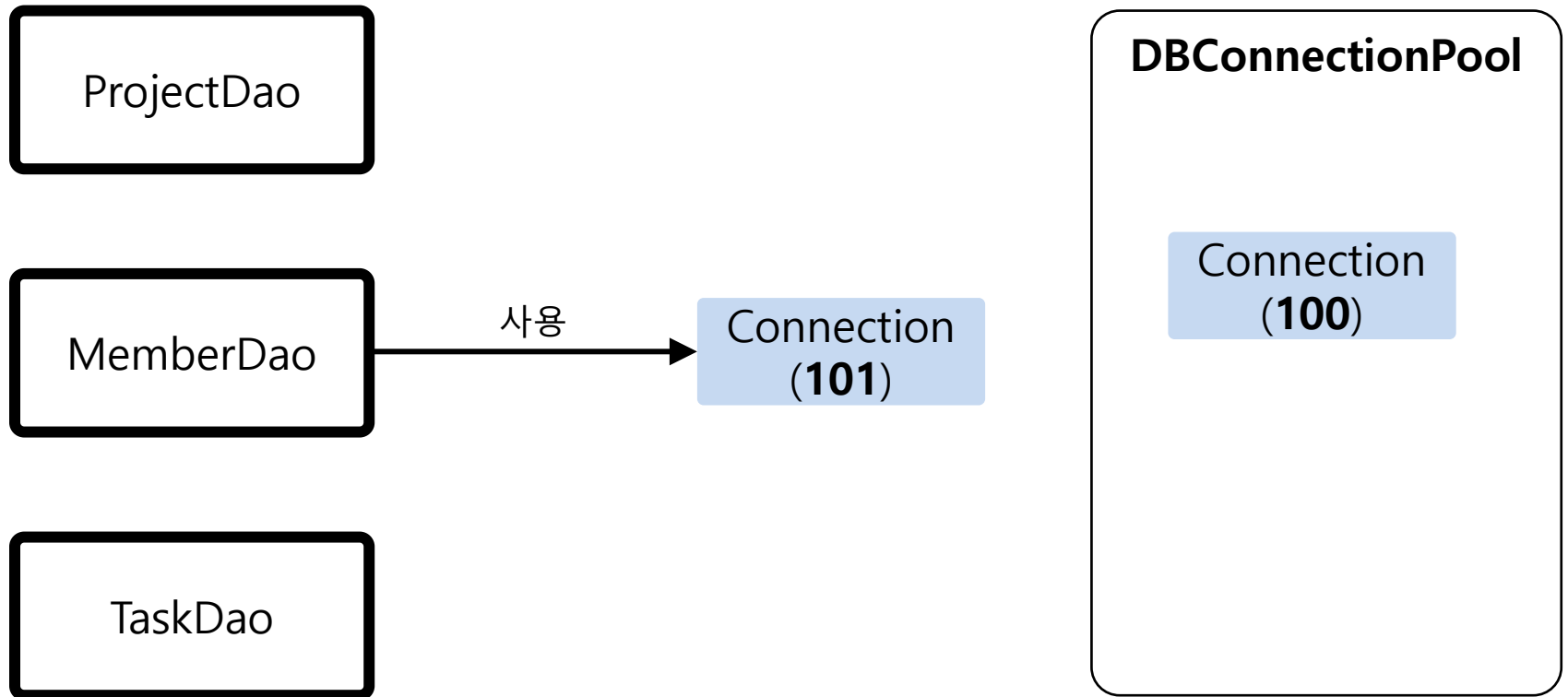
DB 커넥션풀 적용



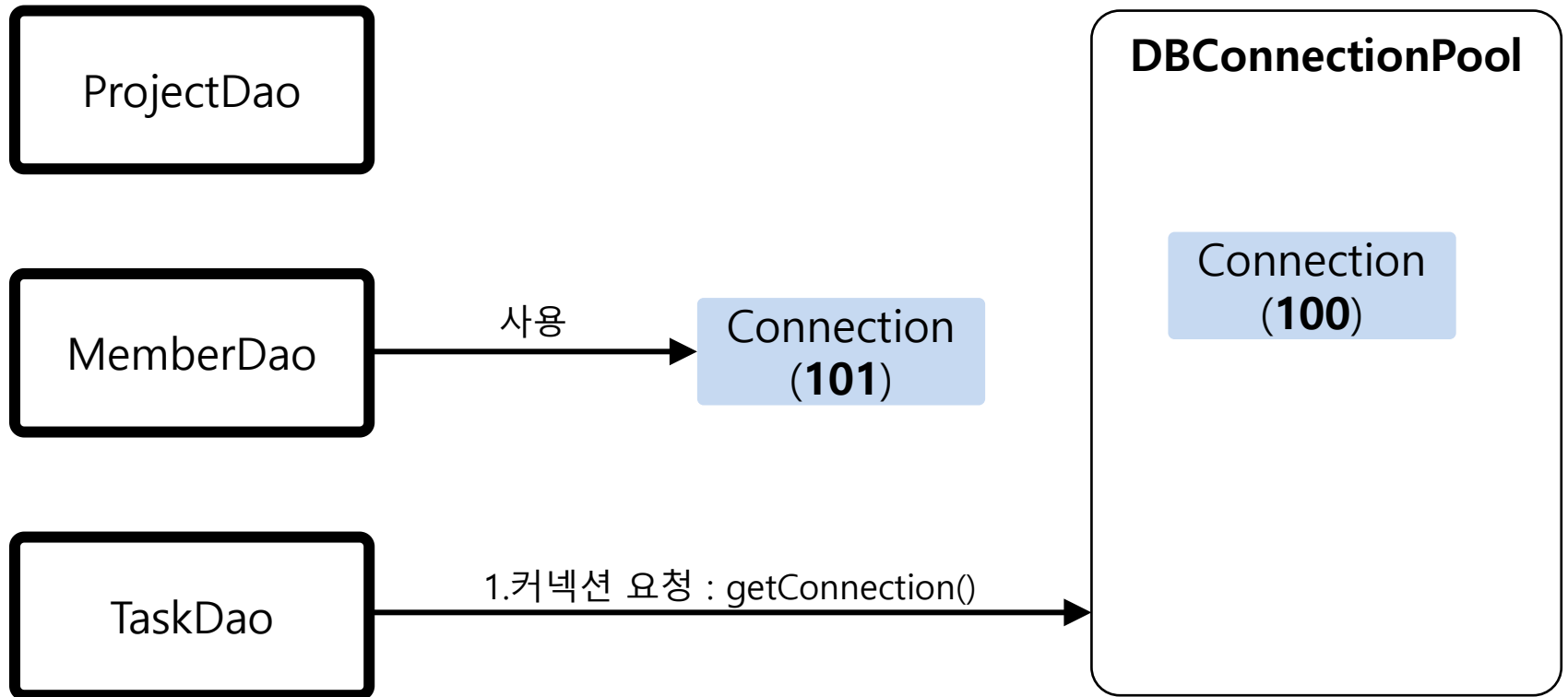
DB 커넥션풀 적용



DB 커넥션풀 적용

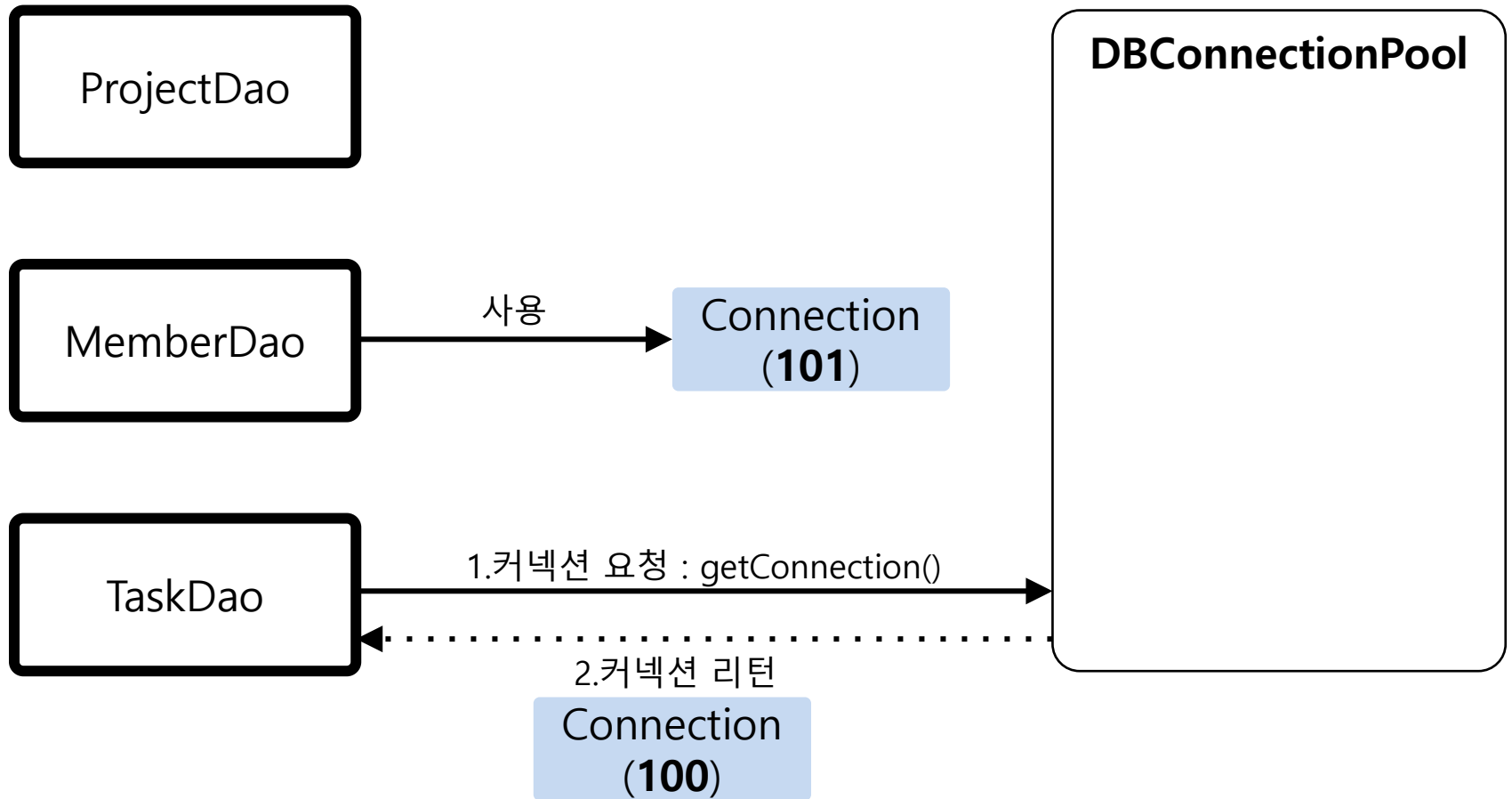


DB 커넥션풀 적용



5.12 DB 커넥션풀

DB 커넥션풀 적용



DB 커넥션풀 적용

