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| Candidate Key Abstraction | Reason for Elimination | Selected Component Name |
| join (회원가입) | Business Role |  |
| Guest (비회원) | Actor |  |
| Website(웹사이트) | System |  |
| Member(회원) |  | Member |
| leader | Same as Member |  |
| participant | Same as Member |  |
| member\_infoAgree(개인정보보호 동의) | Attribute of Member |  |
| member\_id(아이디) | Attribute of Member |  |
| member\_pw(비밀번호) | Attribute of Member |  |
| member\_name(이름) | Attribute of Member |  |
| member\_belong(소속) | Attribute of Member |  |
| member\_phone(휴대폰 번호) | Attribute of Member |  |
| member\_addr(주소) | Attribute of Member |  |
| member\_email(이메일) | Attribute of Member |  |
| Login(로그인) | Business Role |  |
| Account(계정) |  | Account |
| Leader\_page | System |  |
| Participant\_page | System |  |
| Logout(로그아웃) | Business Role |  |
| Join\_acception(가입 허가) | Business Role |  |
| member\_accept (가입 허용) | Attribute of Member |  |
| member\_reject (가입 반려) | Attribute of Member |  |
| notice (공지사항) | Business Role |  |
| notice\_announce (공지사항 게시 알림) | Attribute of notice |  |
| notice\_openPost (공지사항 조회) | Attribute of notice |  |
| notice\_upload (공지사항 파일 업로드) | Attribute of notice |  |
| notice\_download (공지사항 파일 다운로드) | Attribute of notice |  |
| notice\_edit (공지사항 수정) | Attribute of notice |  |
| notice\_delete (공지사항 삭제) | Attribute of notice |  |
| Board (일반 게시판) | Business Role |  |
| break\_timer (쉬는 시간 타이머) | Business Role |  |
| break\_timer (쉬는 시간 타이머 알람) |  |  |
| my\_memo(개인 메모장) | Business Role |  |
| cam (카메라) |  | cam |
| cam\_stream(카메라 화면 전송) | Attribute of cam |  |
| face (얼굴) | Attribute of account |  |
| cam\_allow (카메라 허용) | Attribute of cam |  |
| state (상태) |  | state |
| state\_checkMsg (상태 확인 메시지) | Attribute of state |  |
| face\_reRequire (얼굴 재인식 요구) |  |  |
| state\_abnormalMsg (상태 이상 메시지) | Attribute of state |  |