Jason Palmeri
Assignment 3.2
CSD310


```
┌──────────────────┐         ┌──────────────────┐         ┌──────────────────┐
│       USER       │         │  LINK_USER_ROLE  │         │       ROLE       │
├──────────────────┤         ├──────────────────┤         ├──────────────────┤
│                  │ 1.1  1.*│                  │ 1.*  1.1│                  │
└──────────────────┘         └──────────────────┘         └──────────────────┘
                                                                   │ 1.1
                                                                   │
                                                                   │ 1.*
                             ┌──────────────────┐         ┌──────────────────────┐
                             │    PERMISSION    │         │ LINK_ROLE_PERMISSION │
                             ├──────────────────┤         ├──────────────────────┤
                             │          1.1  1.*│         │                      │
                             └──────────────────┘         └──────────────────────┘
```
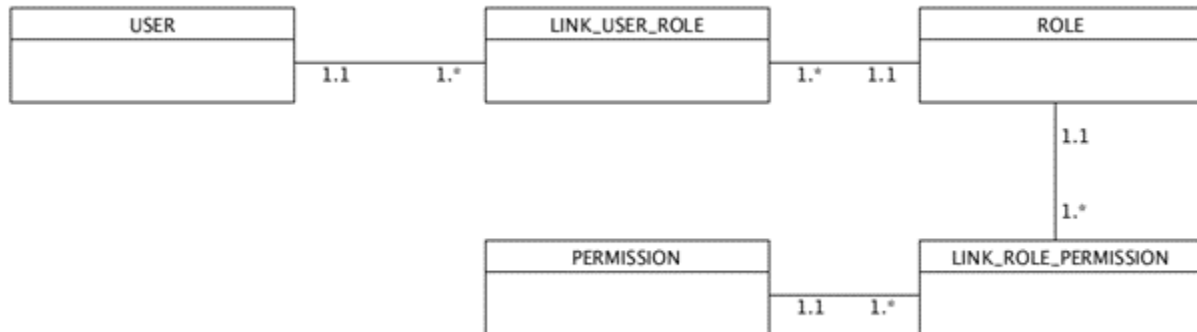
One USER has many LINK USER ROLES
One ROLE can be attached to many LINK USER ROLES
One ROLE can have many LINK ROLE PERMISSIONS
One PERMISSION can be attached to many LINK ROLE PERMISSION

```json
{
    "LINK_USER_ROLE_1": {
        "LINK_ROLE_PERMISSION": {
            "Role1": {
                "Name": "Role_1"
            },
            "Role2": {
                "Name": "Role_2"
            }
        }
    },
    "LINK_USER_ROLE_2": {
        "LINK_ROLE_PERMISSION": {
            "Role7": {
                "Name": "Role_7"
            },
            "Role2": {
                "Name": "Role_2"
            }
        }
    },
```

```json
    "LINK_USER_ROLE_3": {
        "LINK_ROLE_PERMISSION": {
            "Role12": {
                "Name": "Role_12"
            },
            "Role7": {
                "Name": "Role_7"
            }
        }
    }
}
```