# Cal State Seer

## Roll-Based Access Control (RBAT)

```
                    ┌─────────────┐
                    │  Developer  │
                    └─────────────┘
                     ▲           ▲
          ┌──────────┘           └──────────┐
┌──────────────────────┐       ┌──────────────────────┐
│      Consumer        │       │      Provider        │
│ Roles - Administrators│       │ Roles - Employees that│
│ that would like to read│      │ will write relevant data│
│ and test data/graphs  │       │ to train model        │
└──────────────────────┘       └──────────────────────┘
          ▲                               ▲
┌──────────────────────┐       ┌──────────────────────┐
│       System         │       │       System         │
└──────────────────────┘       └──────────────────────┘
          ▲                               ▲
┌──────────────────────┐       ┌──────────────────────┐
│      University      │       │      University      │
└──────────────────────┘       └──────────────────────┘
          ▲                               ▲
┌──────────────────────┐       ┌──────────────────────┐
│       College        │       │       College        │
└──────────────────────┘       └──────────────────────┘
          ▲                               ▲
┌──────────────────────┐       ┌──────────────────────┐
│     Department       │       │     Department       │
└──────────────────────┘       └──────────────────────┘
```
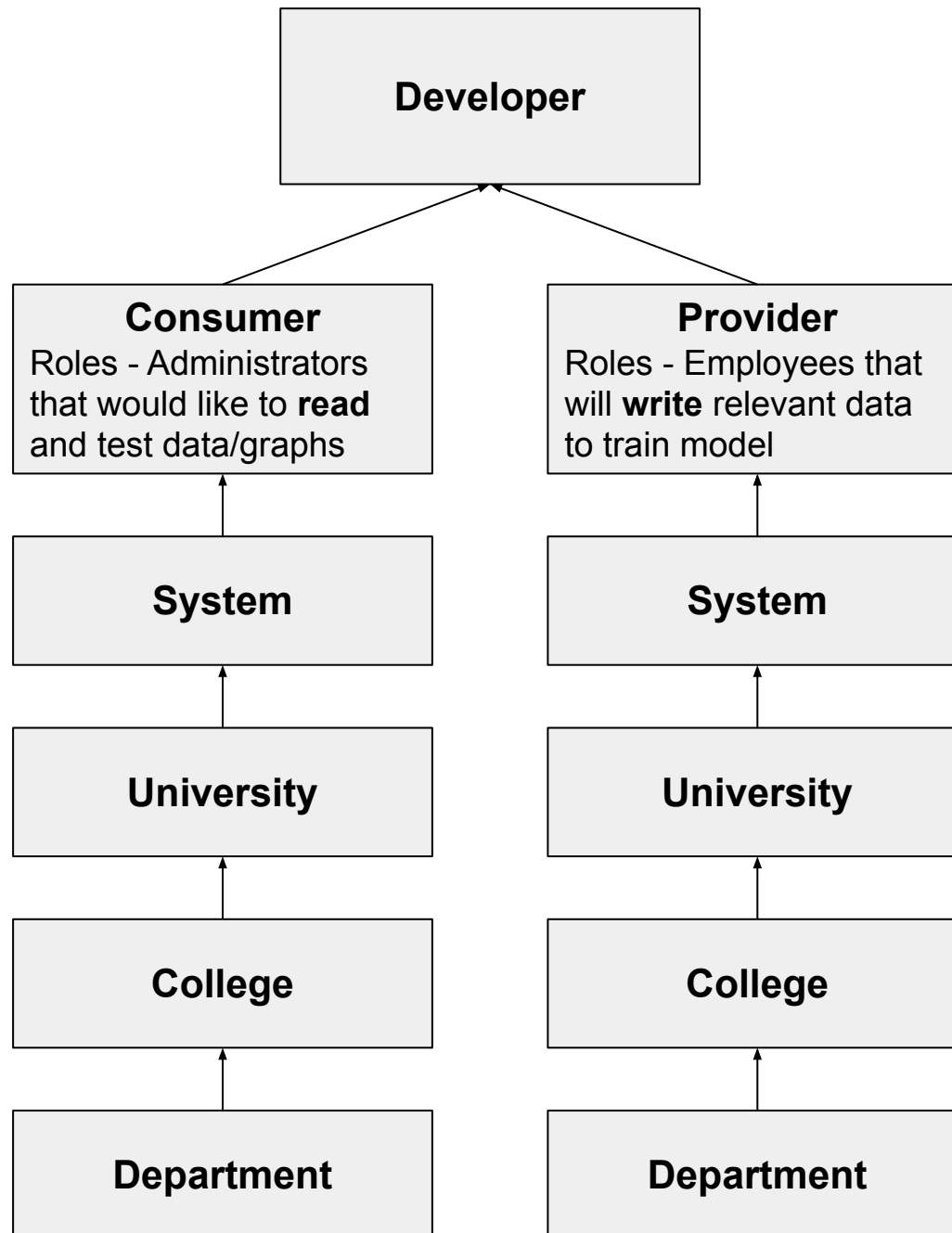
**Hierarchical Structure -** All permissions are inherited from the roles below it

**Level 5:** Superuser - all permissions granted

**Note:** Each level states new access given to the respective role of either a consumer or provider in the California State University (CSU) System

**Level 4:** Read or Write data from whole CSU System

**Level 3:** Read or Write data from a specific CSU

**Level 2:** Read or Write data from a College in a CSU

**Level 1:** Read or Write data from specific Department