

# **Sunshine State University Scholarship Fund Database – Entity Relationship Diagram Normalization**

James Clarke

Curt Ireton

| CommitteeMember |              |                    |
|-----------------|--------------|--------------------|
| <b>PK</b>       | <b>Empld</b> | <b>VARCHAR(4)</b>  |
|                 | <b>Lname</b> | <b>VARCHAR(25)</b> |
|                 | <b>Fname</b> | <b>VARCHAR(25)</b> |
|                 | Phone        | NUMERIC(14,0)      |
|                 | Ext          | NUMERIC(3,0)       |
|                 | MailCode     | VARCHAR(5)         |
|                 | OfficeNum    | CHAR(10)           |
|                 | TermStart    | DATETIME           |
|                 | TermEnd      | DATETIME           |

| MemberCollege |              |                   |
|---------------|--------------|-------------------|
| <b>PK</b>     | <b>EmplD</b> | <b>VARCHAR(4)</b> |
|               | College      | VARCHAR(25)       |
|               | EmpType      | VARCHAR(10)       |

| MemberDept |              |                   |
|------------|--------------|-------------------|
| <b>PK</b>  | <b>EmplD</b> | <b>VARCHAR(4)</b> |
|            | Dept         | VARCHAR(25)       |
|            | EmpType      | VARCHAR(25)       |

| Award     |                  |                    |
|-----------|------------------|--------------------|
| <b>PK</b> | <b>AwardNum</b>  | <b>VARCHAR(10)</b> |
| <b>PK</b> | <b>AwardName</b> | <b>VARCHAR(25)</b> |
|           | Int/Ext          | BIT                |
|           | UnitsReqd        | NUMERIC(3,0)       |
|           | MaxStudAmt       | NUMERIC(10,2)      |
|           | TuitionOnly      | BIT                |

| AwardName |                   |                    |
|-----------|-------------------|--------------------|
| <b>PK</b> | <b>AwardName</b>  | <b>VARCHAR(25)</b> |
|           | CurrentFundsAvail | NUMERIC(10,2)      |
|           | Guidelines        | ATTACHMENT         |
|           | Duration/Sem      | NUMERIC(4,0)       |
|           | Eligible/Sem      | NUMERIC(4,0)       |

Assuming an employee can work for different colleges and departments such as a clerical employee or dean of college

| AwardNum  |                   |                    |
|-----------|-------------------|--------------------|
| <b>PK</b> | <b>AwardNum</b>   | <b>VARCHAR(10)</b> |
|           | Recipient         | VARCHAR(25)        |
|           | CurrentFundsAvail | NUMERIC(10,2)      |
|           | Dept              | VARCHAR(25)        |
|           | College           | VARCHAR(25)        |

| StudApp   |                |                    |
|-----------|----------------|--------------------|
| <b>PK</b> | <b>SID</b>     | <b>VARCHAR(10)</b> |
|           | <b>LName</b>   | <b>VARCHAR(25)</b> |
|           | <b>FName</b>   | <b>VARCHAR(25)</b> |
|           | Address        | VARCHAR(50)        |
|           | ZipCode        | NUMERIC(9,0)       |
|           | MajorCode      | VARCHAR(10)        |
|           | Residency      | BIT                |
|           | FullTime       | BIT                |
|           | Graduate       | BIT                |
|           | FinAidEligible | BIT                |
|           | CollegeCode    | VARCHAR(10)        |
|           | Rank           | VARCHAR(25)        |

| StudentAward |                   |                     |
|--------------|-------------------|---------------------|
| <b>PK</b>    | <b>SID</b>        | <b>VARCHAR(10)</b>  |
| <b>PK</b>    | <b>AppYear</b>    | <b>NUMERIC(4,0)</b> |
|              | CurrentAmtAwarded | NUMERIC(10,2)       |

| Recommendations |                 |                    |
|-----------------|-----------------|--------------------|
| <b>PK</b>       | <b>AwardNum</b> | <b>VARCHAR(10)</b> |
| <b>PK</b>       | <b>SID</b>      | <b>VARCHAR(10)</b> |
|                 |                 |                    |