# COP 4005 – Project Instructions – MEMBER ROLE Management

Using the STARSOrg application partially developed in class, you will develop the member role management functionality. STARS members can hold one or more member roles during a specific semester.

Tables you will need to use:

* MEMBER
* ROLE
* MEMBER\_ROLE
* SEMESTER
* SECURITY

For each table, you will need to:

* Create classes as needed. Follow the patterns for classes as shown in the class samples

The following functionality is required:

* Create a Member Role screen with the following capabilities:
  + Includes a list of current members
  + Allow the user to select an existing member and add or remove member roles.
* Produce a formatted report of all members, showing the roles that the member holds. (This can be a screen, or time permitting, you can design a report using the ReportViewer control.)

Business Rules:

* A member may have multiple roles in a given semester.
* A member’s roles may change from semester to semester.
* A Guest role cannot be combined with any other role.
* Must have Member role in order to also have Admin or Officer role.
* Roles may only be assigned to members by users holding Admin or Officer roles.

Notes:

* You will be provided with data for the SEMESTER table.
* It will probably be easier to integrate the Security portion of the project last. Other team members should get their functionality and new screens working together, then add the security into the project in a consistent way (common procedures/functions/class objects).