# COP 4005 – Project Instructions – MEMBER Management

Using the STARSOrg application partially developed in class, you will develop the membership management functionality.

Tables you will need to use:

* MEMBER
* MEMBER\_ROLE
* SECURITY
* SEMESTER

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 screen with the following capabilities:
  + Displays a list of current members
  + Allow the user to add a new member or modify an existing member record.
  + Screen must include a search area to allow lookup by partial last name (by entering n letters at the beginning of the last name), producing a list of possible matches from which the user can select the desired name.
  + Allows a photo of the member to be displayed. The database will store the path to the photo file when record is saved.
* Produce a formatted report of all members, including their security privilege level. (This can be a screen, or time permitting, you can design a report using the ReportViewer control.)

Business rules:

* Only users with ADMIN or OFFICER security privilege level should have access to the Member Management screen. Use the information provided by the Security Management project and integrate it into the completed project.
* Newly created Member record should be followed by creation of a MEMBER\_ROLE record with role = Member and semester = current semester. This should be done automatically with the addition of a new member.

Notes:

* 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).