**Advanced Programming with .NET**

**Scenario**:

A project management application you need to implement. Where there will a group of members and supervisor will supervise. Project could be of several categories. A project will have dynamic states (like Open, In Progress, Complete)

**Features**:

* Supervisor:
  + Login
  + Create Project (by default project state is ***Open***)
  + Confirm members (only if the project state is ***Open and at least 3 members***)
  + After confirming project state will be ***in progress***
  + Can complete projects (only if the project state is ***in progress***)
  + See **Open** projects
  + See ongoing projects and members (Project state ***in progress***)
  + See Completed projects and members
* Member
  + Login
  + Can see ***Open*** Projects
  + Apply for ***enrollment***
  + Can see applied/In Progress/Complete Projects

Brainstorm the scenario and features and make DB and DB relationships first.

Backend:

* 4 tier architecture with SOLID
* Web API
* Necessary APIs to implement the features

Frontend:

* AngulrJS (preferably with given custom framework)
* Or ReactJS (Those who are comfortable with reactJS)
* You can skip authorization and authentication for this assignment
* If you want you can use any html,css,bootstrap,jQuery template but simple html is suggested