Laboratory 7: Implementing Student Registration System (SRS) Web Application
Due Date: Friday November 17th, 2023, at 5:00 pm

1   Goal

Implement a web application using the MVC object-oriented programming architecture based on the provided object-oriented entity relationship diagram for the Student Registration System. This is a group lab assignment, and each group should comprise 4 students. There is a maximum limit of 2 students per group who own a MAC, but there is no restriction on students using a Windows platform. The implementation should use MS Visual Studio 2022 (Community Free Edition is enough for this application).

2   Resources

- Lecture notes "Unit 4".
- Steps to use MS VS as posted in Canvas announcement "Visual studio windows guide".
- Our practical classes, which include two example web MVC applications, CAS and CRS, implemented during the classes.
- The following entity SRS relationship. You need to download the SRSDB.bak from Canvas.

3   Hand In

- A zip file of your application project with a read me file on how to run your application.
- Each group is required to submit only one entry, submitted by any student in the group. However, groups are allowed unlimited submissions, and we will grade the final submission.
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Students
- Properties
  - StudentID
  - StudentFirstName
  - StudentLastName
  - StudentPhone
  - StudentEmail
- Navigation Properties
  - Registrations

StudyTerms
- Properties
  - TermID
  - TermName
  - TermStartDate
  - TermEndDate
  - TermYear
  - TermSeason
- Navigation Properties
  - Registrations
  - TAAssignments
  - TeachingAssign...

TeachingAssig...
- Properties
  - TAssignmentID
  - InstructorID
  - CourseID
  - TermID
  - TAssignmentDate
- Navigation Properties
  - Courses
  - Instructors
  - StudyTerms

Instructors
- Properties
  - InstructorID
  - InstructorFirstN...
  - InstructorLastNa...
  - InstructorPhone
  - InstructorEmail
  - DepartmentID
- Navigation Properties
  - Departments
  - TeachingAssign...

Registrations
- Properties
  - RegistrationID
  - StudentID
  - CourseID
  - TermID
  - RegistrationDate
- Navigation Properties
  - Courses
  - Students
  - StudyTerms

Courses
- Properties
  - CourseID
  - CourseName
  - DepartmentID
- Navigation Properties
  - Departments
  - Registrations
  - TAAssignments
  - TeachingAssign...

Departments
- Properties
  - DepartmentID
  - DepartmentName
- Navigation Properties
  - Courses
  - Instructors
  - TAGraders

TAAssignments
- Properties
  - TAAssignmentID
  - TAID
  - CourseID
  - TermID
  - AssignmentDate
- Navigation Properties
  - Courses
  - StudyTerms
  - TAGraders

TAGraders
- Properties
  - TAID
  - TAFirstName
  - TALastName
  - TAPhone
  - TAEmail
  - DepartmentID
- Navigation Properties
  - Departments
  - TAAssignments