Functionality

Admin

* Login
* Change Password
* Manage course
  + View Course List
  + Create Course
  + Edit Course
  + Delete Course
  + Enrol Student to course
  + Remove Student from course
  + Enrol Instructor to course
  + Remove Instructor from course
* Manage Student
  + View Student List
  + Create Student
  + Edit student
  + Delete student
  + Deactivate student
  + Activate student
* Manage Instructor
  + View Instructor List
  + Create instructor
  + Edit instructor
  + Delete instructor
  + Deactivate Instructor
  + Activate Instructor

Instructor

* Login
* Change Password
* View Enrolled Course
  + Participate in Chat
* Manage Quiz
  + View Quiz Questions
  + Create Quiz Questions
  + Edit Quiz Questions
  + Delete Quiz Questions
  + View Quiz Option
  + Create Quiz Option
  + Edit Quiz Option
  + Delete Quiz Option
  + View Quiz Statistics
* Manage Content
  + Upload Content
  + Download Content
  + Delete Content

Student

* Login
* Change Password
* View Enrolled Course
* View My Courses
  + Participate in Chat
  + participate in Quiz
  + Download files

Data constrains.

* Username cannot be changed

Other requirement

1. Use signalR
2. Live quiz update, to show real time quiz status
3. Quiz is tagged by course
4. Security
   1. Authorization annotation
   2. Validate Anti Forgery Token
   3. Return RedirectToLocal