Functionality

Admin

* Login
* Manage course
  + View Course List
  + Create Course
  + Edit Course
  + Delete Course
  + Enrol Student to course
  + Remove Student from course
  + Register 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
* Manage Quiz
  + View Quiz Questions
  + Create Quiz Questions
  + Edit Quiz Questions
  + Delete Quiz Questions
  + View Quiz Statistics
* Manage Content
  + Upload Content
  + Download Content
  + Delete Content

Student

* Login
* View My Courses
  + Participate Chat
  + participate Quiz
  + Download files

Data constrains.

* Username cannot be changed
* For each course there is only one chat
* For each course there is only one active Quiz

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