

Database Management Systems

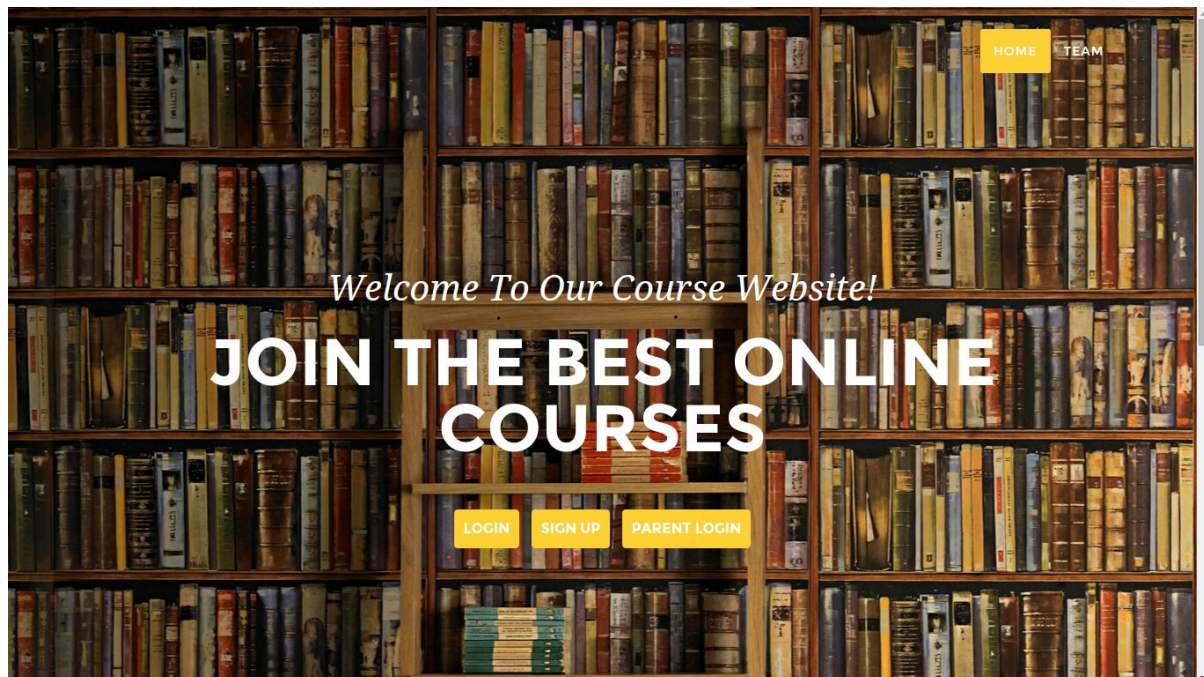
ASSIGNMENT 3

Kalyan Kumar - 13CS10023

Nitesh Sekhar - 13CS10033

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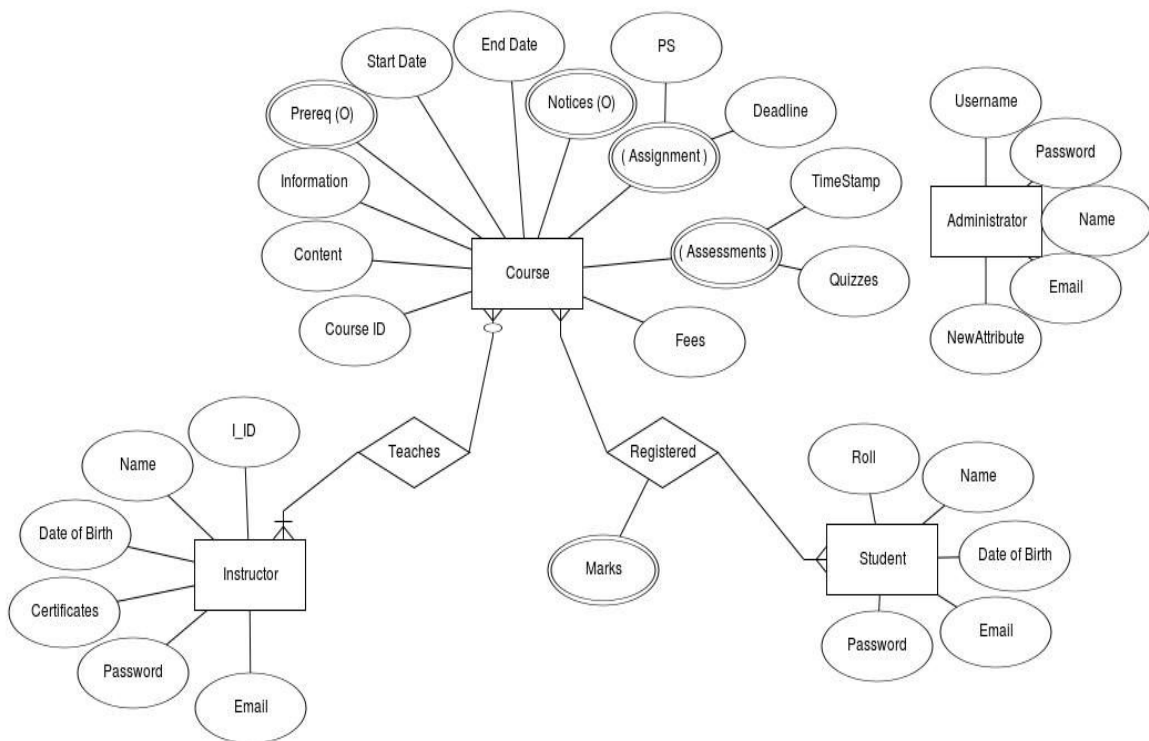
Shrey Garg - 13CS10045



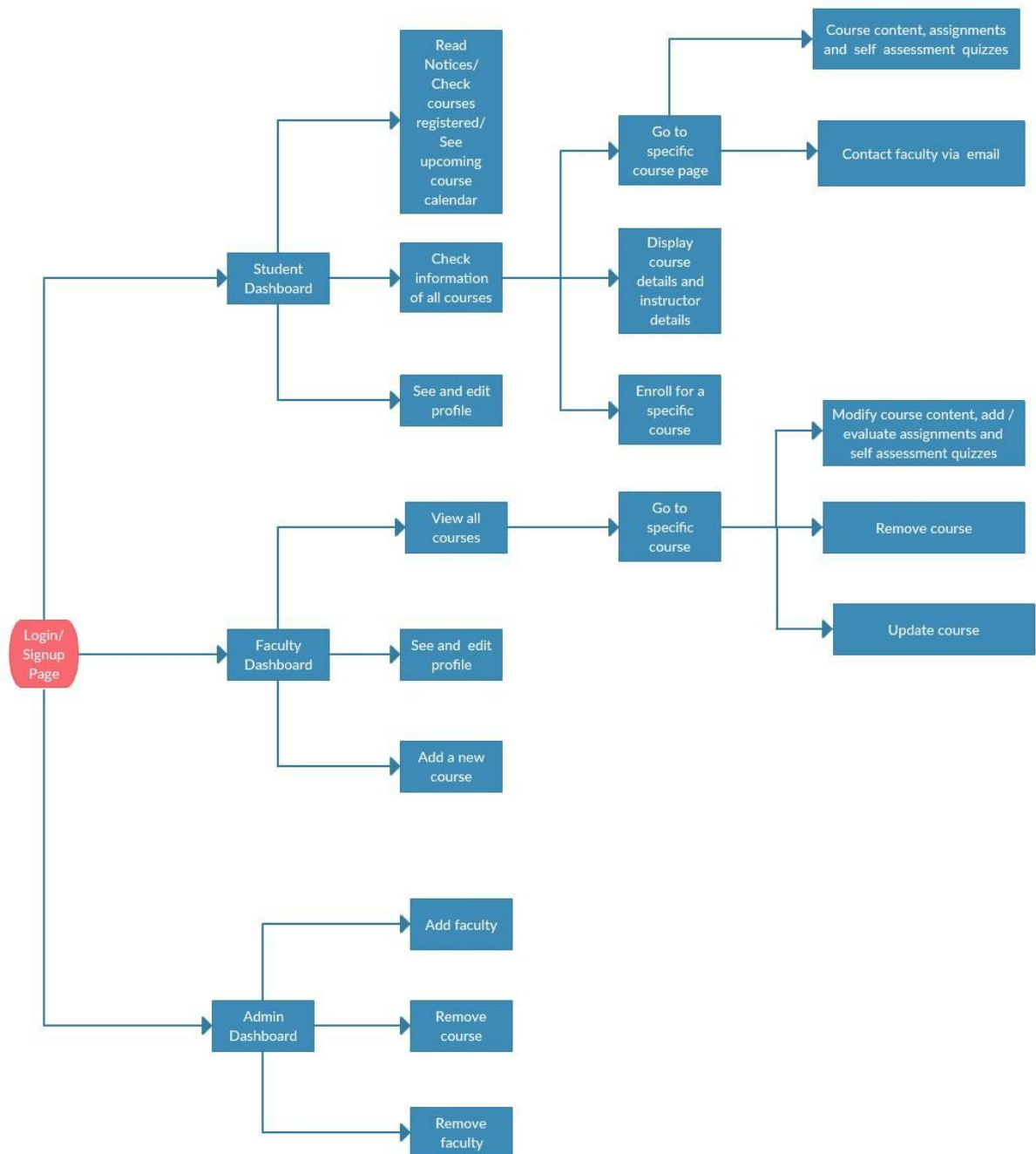
AIM

The goal of this project is to build a complete web based information system having a backend database, a connectivity server, front end scripts and finally a form based web interface. An educational website where students are given a platform for self-paced learning.

E-R Diagram



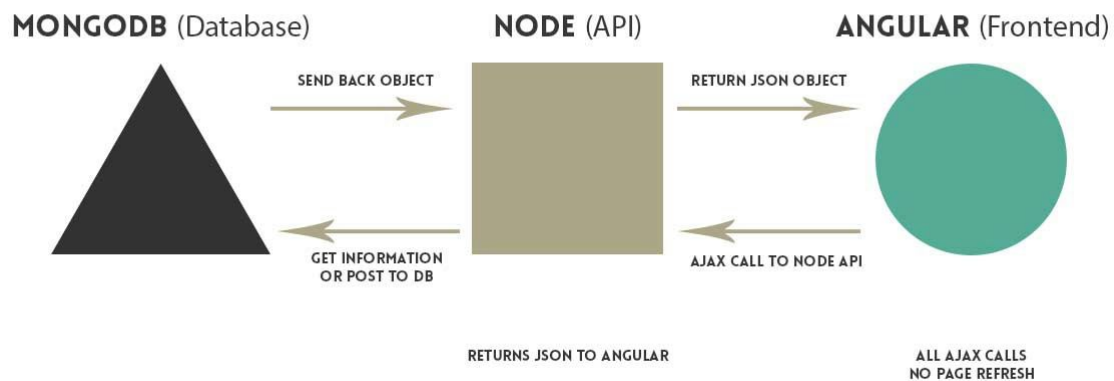
Work-Flow Diagram



Implementation

MEAN is an acronym for MongoDB, ExpressJS, AngularJS and Node.js.

We used MEAN STACK to make the application. MEAN is a JavaScript framework to make web applications with everything from the server side to client side and the database code written in JavaScript.



Tools Used

Front-End: HTML5, CSS, Bootstrap, jQuery, AngularJS (and other modules)

Framework: NodeJS

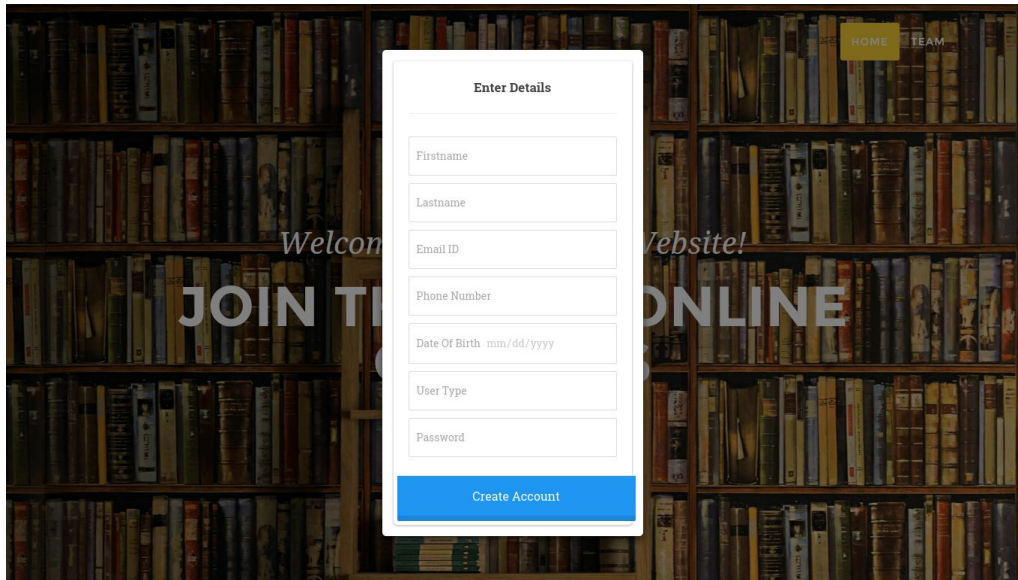
Back-End: ExpressJS,

Database: MongoDB (with Mongoose ODM)

Package Manager: npm

Few screenshots of our website:

SignUp Page

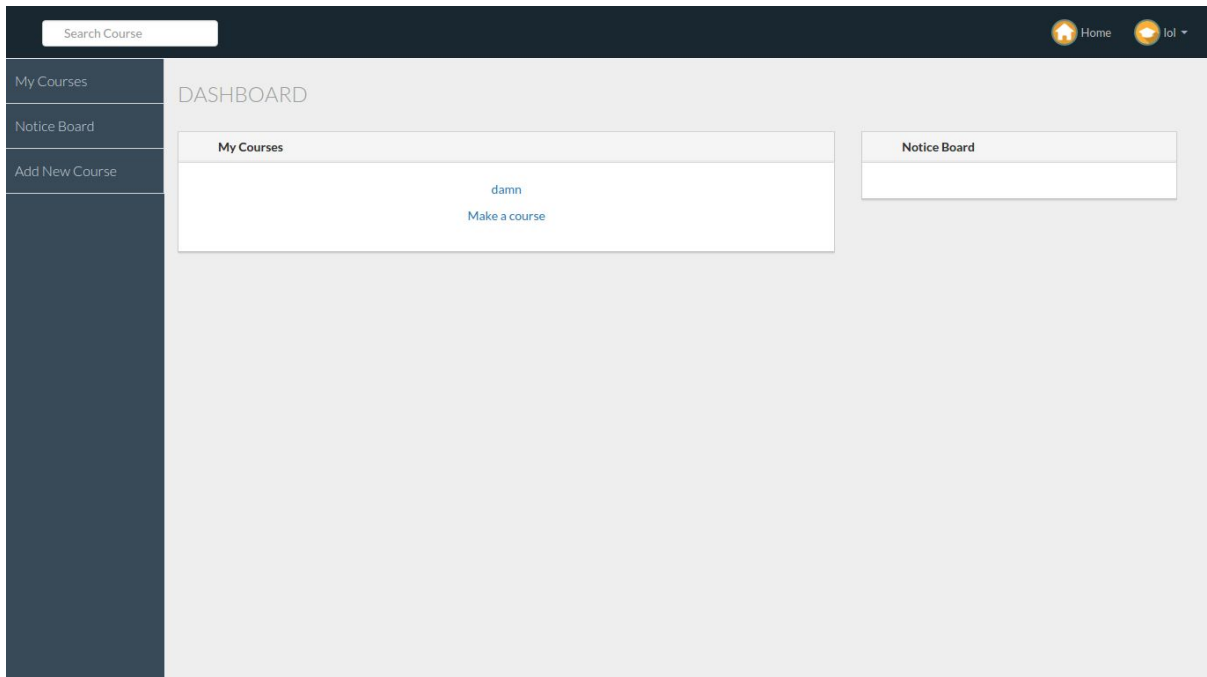


The screenshot shows a registration form titled "Enter Details" centered on a background of a bookshelf. The form contains the following fields:

- Firstname
- Lastname
- Email ID
- Phone Number
- Date Of Birth (mm/dd/yyyy)
- User Type
- Password

A blue "Create Account" button is located at the bottom of the form. The background features the text "Welcome to our website!" and "JOIN THE ONLINE" in large, semi-transparent letters.

Student Dashboard



The screenshot displays the Student Dashboard interface. At the top, there is a search bar labeled "Search Course" and navigation icons for "Home" and "lol". A dark sidebar on the left contains the following menu items:

- My Courses
- Notice Board
- Add New Course

The main content area is titled "DASHBOARD" and contains two panels:

- My Courses:** A panel with a "damn" message and a "Make a course" button.
- Notice Board:** An empty panel.

Profile Page

Home Courses Riya ▾

MY PROFILE

📍 About

Name	Riya
Date Of Birth	1995-04-07T18:30:00.000Z
Email ID	riya@gmail.com
User Type	Student
Password	riya