

Task

Create a Node JS application using ExpressJs and MongoDB.

There are two entities - Users and Courses.

- Users can view and enroll in courses
- Make assumptions whenever necessary

Entity Attributes:

- User - Name, Contact, email
- Course - Title, description, start date, end date

API List:

- Add Users
- View Users list
- Add Courses
- View Courses list
- Enroll in courses by users before start_date of course
- View all enrolled courses by a user
- View all enrolled users of a course

Note: Schema design to establish relationship between user and course for enrollment should have logical approach. You will be asked the reason for your choices and any alternate approach.

Bonus Tasks

- Add array of subdocument for course modules with basic details like title and description, embedded in the course schema
- Add virtual fields under courses to show 'Upcoming', 'Ongoing', and 'Closed'
- Authentication and authorization
- Completing the UI task on ReactJs will be a big plus.

UI Task(Optional)

- Consume Above APIs in appropriate UI pages
- Utility and correctness is prioritized over design
- Possible list of pages - Login, Registration, Users List (name only), Courses List(title only), popup on click for users and courses to show additional details, enroll button on popup, popup can redirect to show enrolled courses/users
- Structure can be modified according to your requirements and feasibility

Note: Remember, showing partial work is still better than no work. Hard work and attempts at assignment will be appreciated.