XCEED Assignment for Inductions (Jan 2024)

For final year and third year developers:

Problem statement:

Daily calendar is one of the major requirement for our institute to get to know the activities happening in the institute at one place. This calendar will have details based on different category like academic, sports, club activities, placement etc. The student should have an option to view on single day, week or monthly calendar and also to view category wise.

The assignment shall be submitted based on your interest. One can submit only front end work or backend work or both.

Front end developer:

- The technologies to be used are react js, chakra UI and/or tailwind css
- Color theme should match xceed theme or institute website theme
- Different views to be selected based on check box or using buttons. Necessary js has be written and it should be clean and have good readability.
- User shall have the option to view events category wise. Checkbox for each category shall be provided and its associated events shall be shown in calendar view. Necessary js has be written and it should be clean and have good readability.
- Type of views:
    Monthly View: A simple grid showing all days in a month.
    Weekly View: A more detailed grid focusing on one week at a time.
    Today: Only today's event has to be shown
- The design should be responsive for various devices
- All the data has to be kept in variables and used in the code. NO hardcoding of data is allowed.
- The completed work has to be deployed and link to be shared in the submission form.

Backend end developer:

- The technologies to be used are nodejs and mongodb
- The model schema for the above problem statement has to be defined.
- Following details shall be included in the event model schema:
    - eventName
    - date
    - time
    - organisingDept
    - category: academic/club/sports/placement etc.
    - type: online/offline/hybrid
    - venue
    - meetlink
    - description
    - studentCoordinatorInfo
    - facultyCoordinatorInfo

- o socialMediaLinks
- o userId

For the above schema, create routes for CRUD operations.

- Following folder structure shall be followed: It should comprise of four folders
    - o Model folder: where schema is placed
    - o Routes folder: where the routes are defined
    - o Controller folder: where we are defining the controllers to be used in route
    - o Helper folder: Use this folder for keeping common functions like time conversion, generating random link etc.

Having created the above routes, following additional functionalities are required.

- Get event details by user (filter the events by user)
- Get event details by month (based on date data has to be filtered for montly view)
- Get event details by date (day view)
- Get event details by week (week view)
- Get event details by category (
- Get event by type (online/offline)
- Delete event by user

The completed work has to be deployed and link to be shared in the submission form.

For second year and first year developers:

Problem statement:

Conference website is one of the services we are providing to users. The top section (hero section) of the conference website plays a very important role in attracting the user. One of our first client is chemcon conference which we have already completed.

IIChE ChemCon 2024

By taking content from the above link, design hero section with following attributes:

- it should be responsive to all devices.
- It should include navbar
- It should include one animation
- Color theme has be selected properly
- Technologies to be used: Reactjs

The completed work has to be deployed and link to be shared in the submission form.