

Proposal - Team-2 React2

About the Project:

Project Domain: Education

Project Name: **Educator - Your modern age mentor**

Project Description:

An online learning portal for Mobile and Desktop as a web-app.

This will have category wise courses and resource links. Courses will consist of videos(iframe) + assignments + submit assignment + additional links under each course.

Any user must login/sign-up in order to access courses.

There will be three types of users -

1. Admin
2. Course Creator
3. Student

1. Course creators can sign-up and will have an activated account on approval by the admin.
2. Same sign-up form for creator/student sign-up. A student can be a creator for some courses and vice versa. (logic and guards accordingly).
3. After login - Course Details will be shown.
4. Progress tracker on seeing topics of courses.
5. Students can watch and mark active courses for him/her.

Project Details:

1. Registration Form for course Creator/ Student
2. Login Form for course creator/Student
3. Router for navigation between categories of courses, active courses and discussion room.
4. Course component having video, comments, bookmarks, assignment, and links and resources.

Team Details:

Team Name: r2-team2

Tech Stack: React

Mentors:

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11. Rajesh
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Learning Plan:

June 2020:

1. What is React?
2. What is Functional component and Class Component.
3. React Dom Vs Virtual Dom
4. React Component and State Management, passing of props and managing multiple instances of a component.
5. React Router.
6. State Management in details and guards for routers.
7. Firebase integration.
8. ToDo app

July 2020:

1. Project planning and UI design
2. Building React Forms and creating state entire Project
3. Learning Redux for state management.
4. Start Implementation of Project by reaching one by one milestone.

August 2020:

1. Creating Iframe video.

2. Attaching Toaster npm module to show log-in successful in between fetching routes.
3. Comment on a course.
4. Adding a course if a user is the course creator.
5. Adding a student progress bar component.
6. Notes and blogs section.

Monthly Milestones:

June 2020:

1. Create a Todo APP which has Create Todo, update, delete feature using react. (Keep as many break down Components as you can for a clear structure).
2. Implement a React-router to Navigate between Todo-list, Todo-creation/updation Form
3. Create an Application for Login/sign up using Forms in react. On successful log-in redirect to the welcome page. Use Firebase real-time DB as Database.

July 2020:

1. IFrame video player
2. Comments and bookmark component
3. Assignments and file upload component
4. Login/signup components
5. Verification and DB module

August 2020:

1. Create a discussion section for courses where students can ask queries of the same course. (only for the students enrolled in that course)
2. Create reviews and rating components for courses.
3. Create a progress-bar component for courses.
4. Multiple Notes and Blogs section.