Software Development

This Software should be completed by every individual student according to giving Instructions. This Project will be Complete should be these all Assets, without these assets you can't use any other thing in project.

Instructions are Given Below.

Boiler Plate

Boiler Plate should be includes all these Dynamic Components and Screens.

Screens

1. Login
2. Signup
3. Dashboard with nested routing

Components

1. Input
2. Select (Dynamic)
3. Button
4. Icon Button
5. Dynamic Table
6. Switch
7. Date Picker

Configuration

1. Main Screen Routing
2. Nested Routing
3. Firebase Setup
4. Firebase Methods.
    a. Signup User
    b. Login User
    c. Get data
    d. Get data by ID
    e. Post data with ID
    f. Edit data
    g. Delete data
    h. Delete user in database and authentication

          i. Check user is Logged in or Note
          j. Route Protection (if user is not valid so user cannot be access screen in anyhow)

5. Axios methods
    a. Get data
    b. Post data
    c. Put data
    d. Delete data
    e. Login user (authentication Token will be used)
    f. Signup User
6. Theme setting & Variables.

Libraries

1. Material UI
2. Firebase
3. Bootstrap
4. Ant Design (Optional)
5. Axios
6. React-Router-Dom
7. Image Slider (Optional)

Assets

1. Loader gif Image
2. No data found image

According to your project requirement you can use any assets which you want but these images are mandatory.

Rules

- All Screen name should be Start with capital Letter.
- All Components name should be start with capital Letter.
- All Screens should be in screens folder.
- All Admin Screens should be in the folder named as admin_screens, which will be inside screens folder.

Software Overview

1. Dashboard: The main screen that provides an overview of the institute's activities and progress in the LMS.
2. Course catalog: A screen that displays all available courses in the institute, with descriptions and other relevant information.
3. Student management: A screen that allows administrators and instructors to manage student accounts, view student progress, and communicate with students.
4. Course creation: A screen that allows instructors to create and edit courses, add course materials, and set up assessments.
5. Assessment creation: A screen that allows instructors to create and edit quizzes and exams, set up grading criteria, and view results.
6. Gradebook: A screen that displays student grades and progress in each course.
7. Reports and analytics: Screens that provide data on student progress, course completion, and other metrics.
8. Financial management: A screen that allows administrators to manage the financial aspects of the institute's operations, such as payment processing, billing, and revenue reporting.
9. Resource management: A screen that allows administrators to manage the resources available to instructors and students, such as computer labs, libraries, and other facilities.
10. Scheduling: A screen that allows administrators to manage the scheduling of courses and other activities.
11. Communication and collaboration: Screens that provide tools for instructors and students to communicate and collaborate, such as forums, messaging systems, and video conferencing.
12. Customization: A screen that allows administrators to customize the look and feel of the LMS to match the institute's branding and aesthetic.

Admin

1. Institute
   a. Institute List
      i. Institute name
      ii. Logo image
      iii. No of campus
      iv. Active/inActive
2. Institute form
   a. Institute name
   b. Institute short name
   c. Logo image (dummy)
   d. No of campus
   e. Campus detail in array

   f. Location

   g. Address

   h. Contact

   i. Owner Contact

   j. Owner Email

   k. User type

     i. Institute

   l. instituteType (dropdown)

     i. School

     ii. College

     iii. University

     iv. Institute

3. User Register
   a. Name
   b. Email
   c. Password
   d. Cnic
   e. Type (Dropdown)
      i. Admin
      ii. Student
      iii. Teacher
      iv. Institute
4. Color theme set
5. Activation and payment details

Institute

1. Course (Show on side bar)
   a. Cource name
   b. Duration
   c. Fees
2. Course form
   a. Cource name
   b. Duration
   c. Fee
   d. Teacher
3. Registration Control (Show on side bar)
   a. Form open/close
   b. Cources
4. Result (Show on side bar)
5. Students (Show on side bar)

6. Students detail
7. Student form
8. Quiz (Show on side bar)
9. add quiz.

Public Route

1. Registration form
   a. Student Name
   b. Father Name
   c. Contact
   d. CNIC
   e. Last qualification (Dropdown)
   f. Cource (Dropdown)
   g. Institute (disabled and filled)
   h. Section (dropdown)
   i. Email
   j. Password
   k. City (dropdown)
   l. Country (dropdown)
   m. Date of birth
   n. Gender (radio button)
   o. Address
2. Result
   a. rollNumber Field
   b. cource dropdown
   c. search button
3. login
   a. email
   b. password