PE_FER201M_TRIALTEST

Subject: FER201M

Duration: 85 minutes

INSTRUCTIONS

Please read the instructions carefully before doing the questions.

- You are **Not allowed** to use any device to share data with others.
- You must use IDE as **Visual Studio Code,** for your development tools.
- You must use **Material design (MUI)**. hay bootstrap, inline styling

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Create a new React application using npx create-react-app or Vite + React. Named after your-roll-number.

Task 1. Create a new resource and supply data for your application.

1. (0.25 mark) Create a new resource named studentManagement in *mockapi.io* and **declare a Schema**.
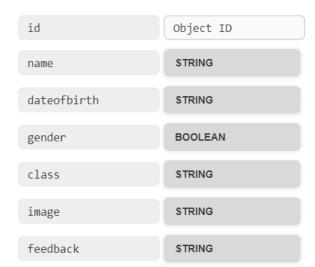2. (0.25 mark) Edit/replace data for studentManagement resource. Copy the content of **students.json** file.

id	Object ID
name	STRING
dateofbirth	STRING
gender	BOOLEAN
class	STRING
image	STRING
feedback	STRING

Task 2.

3. (1.0 mark) Create a Navbar for navigating all the routes in your application. Including: **Home**, **Dashboard**, **Contact**. (*install react-router-dom library*)

HOME DASHBOARD CONTACT

4. (2 marks) At **Home** route, display all the students in data which order *name* **ascending**. Each Student must contain some information such as: **Id**, **Name**, **DateOfBirth, Gender, Class, Image**. When you click the detail button or **Id**, the view switches to **Detail** route.

5. (1.5 marks) At **Detail** route, display all the information of student: **Id**, **Name**, **DateOfBirth, Gender, Class, Image** and Feedback . Design and arrange this component as good as possible.

Task 3.

6. (1.0 mark) At **dashboard** route, it displays the list of students by table. Each row must contain the links or icons for CRUD actions.
7. (1.5 marks) Create a Add route with the requirements:
    - ✓ Create a form and validate all data.
    - ✓ All fields are required.
    - ✓ Name must more than 2 words
    - ✓ Image must be a URL
    - ✓ Gender is True (Male) or False (Female)
    - ✓ DateOfBirth is a Birthday of Student
    - ✓ Feedback is an option control
8. (1.0 mark) At **Dashboard** route implement the *delete* action.
    With *delete* function, you must **confirm** before implementing. After deleting successful, showing a notice (modal, alert, toast…) and the list of students will render the new list.
9. (1.5 marks) Implement the *update* action. With *the update* function, the same validation requirements as the a*dd* function.

-The end of test-