Subject Name: **Front End Engineering**

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Cluster: iGamma

Department: **DCSE**

Group: **G19**



Project Name:

React Random Quote Generator

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# Submitted To:

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# React

## Introduction

Welcome to the documentation of our React-based Random Quote Generator. In this documentation, we will explore the key components that make up our application and their respective functionalities.

Our is designed to help users to read a quote which is random in the screen .

## Technologies Used:

* HTML
* CSS
* JavaScript
* React

## Key Components

### App Component

* The central component of our application that manages the state of notes.
* Allows users to add and delete notes.
* Coordinates the interactions between other components.

### Header Component

- Represents the application's header, displaying the app title with an icon for visual appeal.

### Footer Component

- Displays a dynamic copyright notice that automatically updates with the current year.

### Note Component

* Represents an individual note within the application.
* Displays the note's title and content.
* Provides a delete button for removing specific notes.

## Usage

* Random Quote Generation: The application will generate random quotes each time the user requests a new one.
* User Interaction: Users can trigger the display of a new quote with a button click, making the application interactive and engaging.
* Simple User Interface: The user interface will be clean and intuitive, with a focus on displaying quotes prominently.
* Responsive Design: The application will be responsive to different screen sizes and devices.

**Components Documentation**

## Index.js

The "index.js" file is the entry point for your React application. It initializes the application by rendering the root component, "App," into the root HTML element on the web page.

Import Statements:

import React from 'react';

import ReactDOM from 'react-dom/client';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(

  <React.StrictMode>

    <App />

  </React.StrictMode>

);

```

## 1. App.jsx

The "App" component is the core component of the note-keeping application. It manages the state of notes, allowing users to add and delete notes. It also serves as the container for other components like "Header”.

import React, { useState, useEffect } from "react";

import axios from "axios";

import "./App.css";

const App = () => {

  const [quote, setQuote] = useState("Demo Quote");

  const handleQuote = async () => {

    try {

      const res = await axios.get("https://api.quotable.io/random");  *//response*

      setQuote(res.data.content);

    } catch (error) {

      console.error("Error fetching quote:", error);

    }

  };

  useEffect(() => {                                                            *// agar koi change hoga toh o/p mai show krna k litye use hota hai aur ye fun call ho jayga*

    handleQuote();

  }, []);

  return (

    <div *className*="box">

      <i *className*="fas fa-quote-left fa2"></i>

      <div *className*="text">

        <i *className*="fas fa-quote-right fa1"></i>

        <div>

          <h3>Quote of the Day</h3>

          <p>{quote}</p>

          <button *onClick*={handleQuote}>Next</button>

        </div>

      </div>

    </div>

  );

};

export default App;