# Student Marks Management System

## Overview

The **Student Marks Management System** is a web application built with **React.js** that allows educators and administrators to manage students' academic marks efficiently. It provides a user-friendly interface for tracking students' grades, creating reports, and performing analytics on student performance. This system is ideal for educational institutions to keep a digital record of student marks and improve academic tracking.

### Key Features

* **User Authentication**: Secure signup and login for administrators and users.
* **Student Management**: Add, update, and delete student records.
* **Marks Entry**: Input and manage marks for different subjects.
* **Reports**: Generate student grade reports for academic analysis.
* **Responsive UI**: Accessible on both desktop and mobile devices.

## Technical Details

### Frontend

* **React.js** for the user interface.
* **React Router** for navigation between pages.
* **Axios** for HTTP requests to interact with the backend (if applicable).
* **CSS/SCSS** for styling the user interface.
* **JWT Authentication** for secure login and user session management.

### Backend (Optional)

* **Node.js** with **Express** (If backend is implemented, specify your API here).
* **MongoDB** or **MySQL** as the database for storing student records, marks, and user data.

## Business Overview

The Student Marks Management System is designed to simplify and digitize the process of managing students' marks. Key stakeholders include:

* **Educators/Teachers**: Can enter marks, update student records, and generate performance reports.
* **Administrators**: Can manage the entire system, including adding users and configuring settings.
* **Students (optional)**: In case of a portal for students, they can view their own grades and performance.

The application aims to enhance operational efficiency by:

* Reducing paperwork and manual tracking of student performance.
* Offering a centralized platform for educators to monitor and analyze academic data.
* Providing instant access to marks and reports.

## How to Signup and Sign In

### Signup Process:

1. **Navigate to the Login Page**: Open the application and go to the login screen.
2. **Click on 'Sign Up'**: You’ll see an option to sign up for a new account.
3. **Fill in the Signup Form**: Provide your name, email, password, and role (Admin/Teacher).
4. **Submit the Form**: After filling out the form, click the "Sign Up" button to create your account.
5. **Email Verification**: If applicable, you may receive a confirmation email. Follow the instructions to verify your email address.

### Sign In Process:

1. **Go to the Login Page**: Navigate to the login screen.
2. **Enter Credentials**: Input your email and password.
3. **Click Sign In**: After entering the credentials, click the "Login" button.
4. **Access Dashboard**: Upon successful login, you'll be directed to the system's dashboard based on your role.