# Student Management System - Full Stack Project

## 📘 Introduction

This is a Full Stack Student Management System project with a ReactJS frontend and a Spring Boot backend. The system allows users to perform CRUD operations on student data, view the list of students, and update or delete records. The backend is responsible for the RESTful API, while the frontend handles the user interface.

## 🛠️ Technologies Used

* Frontend: ReactJS
* Backend: Spring Boot
* Database: MySQL
* Tools: Postman, VS Code, Spring Tool Suite (STS)
* Version Control: Git & GitHub

## ✨ Features

* Add a new student
* View all students
* Edit student details
* Delete student
* Responsive UI
* RESTful API integration

## 📁 Folder Structure

student-management-project/  
│  
├── frontend/ (ReactJS project)  
│ ├── public/  
│ └── src/  
│ └── components/  
│  
├── backend/ (Spring Boot project)  
│ ├── src/main/java/com/example/student/  
│ ├── src/main/resources/  
│ └── pom.xml

## 🚀 How to Run the Project

* Frontend (React):

1. Open terminal and navigate to the `frontend` folder.
2. Run `npm install` to install dependencies.
3. Run `npm start` to launch the frontend application.

* Backend (Spring Boot):

1. Open the `backend` folder in Spring Tool Suite (STS).
2. Configure your MySQL database in `src/main/resources/application.properties` file:
3. spring.datasource.url=jdbc:mysql://localhost:3306/your\_database\_name  
   spring.datasource.username=your\_username  
   spring.datasource.password=your\_password
4. Run the main application class to start the backend server.

## 🤝 Contributing

Contributions are welcome! Feel free to fork the repository and submit pull requests.

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## 📸 Screenshot

### 🏠 Home Page

