**Java Project**

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**Project Title :** Student Management System using JSP and JDBC

**Description :**

The **Student Management System** is a web-based application built entirely using **JSP (JavaServer Pages)** and **JDBC (Java Database Connectivity)**. It serves as a simplified administrative tool that enables CRUD (Create, Read, Update, Delete) operations for student records.

Designed for academic institutions or internal department use, the system allows easy registration, modification, retrieval, and deletion of student data through a user-friendly interface with modern styling powered by **Bootstrap**.

**Tech Stack :**

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| Technology | Usage |
| JSP (JavaServer Pages) | Frontend + Backend logic integration |
| Java (JDBC) | Database operations (SQL queries) |
| MySQL | Backend relational database |
| Apache Tomcat (v9.0) | Web server to host JSP pages |
| Eclipse IDE | Development environment |
| Bootstrap 4 | Responsive and styled UI components |
| HTML + CSS | Page structure and basic styling |

**Project Structure Overview :**

**MiniProject/**

**│**

**├── src/**

**│ └── com/db/DBConnection.java # JDBC connection class**

**│**

**├── webapp/**

**│ ├── mainFolderFiles/**

**│ │ ├── addStudent.jsp**

**│ │ ├── fetchStudent.jsp**

**│ │ ├── updateStudent.jsp**

**│ │ └── deleteStudent.jsp**

**│ ├── login.jsp**

**│ ├── register.jsp**

**│ ├── main.jsp # Dashboard**

**│ └── index.jsp # Main Page**

**Project Purpose :**

* Gain practical experience using **JSP with JDBC**.
* Understand **form submission**, **database connectivity**, and **query execution**.
* Build an end-to-end web application using only core Java and web technologies.
* Learn to design and connect **UI with database operations** using inline Java.

**NOTE :** It is recommended to use JSP + Servlets for logic separation.

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If you have any queries, contact me

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