Java Project

Developed By : Chaitanya Barappadi, BVCR

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 :

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

Email : chaitanya.barappadi07@gmail.com

LinkedIn : Chaitanya Barappadi