**Student Management System Documentation**

**Overview**

**The Student Management System is a Windows application designed to help educational institutions manage student records efficiently. The system allows users to enter, save, and manage details for various courses, including personal information, fees, and attendance.**

**Developed by**

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**Features**

* **Course Management: Select and manage multiple courses.**
* **Student Information Entry: Input essential student details such as name, email, phone number, organization, profession, total fee, fee paid, start and completion dates, attendance, cohort number, and additional comments.**
* **User-Friendly Interface: Simple and intuitive GUI for easy navigation.**
* **Data Management: Supports saving, editing, deleting, and viewing student records through phpMyAdmin.**

**System Requirements**

* **Windows Operating System**
* **Java Development Kit(JDK 8 +)**
* **XAMPP: Required for running Apache and MySQL (included on the USB drive).**

**Installation and Setup**

**The Student Management System is provided on a USB drive. Follow these steps to set up the application:**

1. **Insert the USB Drive: Plug the USB drive containing the application into your computer.**
2. **Access the Application Files: Open the USB drive in your file explorer. You will find the following files and folders:**
   * **StudentManagementSystem.exe: The executable file for the application.**
   * **XAMPP Files: A folder containing XAMPP setup files.**
   * **Database Setup Script.sql: SQL script for creating the necessary database and tables.**
   * **UserManual.txt: Additional instructions and information.**
3. **Install XAMPP:**
   * **Navigate to the XAMPP Files folder on the USB drive.**
   * **Double-click the XAMPP installer to install XAMPP on your computer by following the installation wizard instructions.**
4. **Start XAMPP:**
   * **After installation, open the XAMPP Control Panel and start the Apache and MySQL services.**
5. **Set Up the Database:**
   * **Open phpMyAdmin in your web browser by navigating to http://localhost/phpmyadmin.**
   * **Create a new database named StudentManagementSystem.**
   * **Import the Database Setup Script.sql file to set up the required tables for the application.**
6. **Run the Application:**
   * **Double-click StudentManagementSystem.exe on the USB drive to launch the application.**
7. **Follow Usage Instructions: Once the application is running, follow the usage instructions to manage student records.**

**Usage Instructions**

**Starting the Application**

1. **Launch the application by double-clicking StudentManagementSystem.exe.**
2. **Select a course from the dropdown menu in the main window.**
3. **Click the "Next" button to access the student management interface.**

**Entering and Saving Student Details**

1. **Fill in all required fields with student data.**
2. **Click the "Save" button to store the information in the database.**
3. **Use "Clear" to reset the form or "Back" to return to the course selection.**

**Managing Data with phpMyAdmin**

1. **Access phpMyAdmin via http://localhost/phpmyadmin.**
2. **Select the StudentManagementSystem database to view tables.**
3. **Edit, delete, or add records as needed.**

**Troubleshooting**

* **Connection Issues: Ensure that MySQL is running in XAMPP.**
* **Data Entry Errors: Verify all required fields are filled accurately.**
* **Error Messages: Review error prompts for guidance on fixing issues.**

**Key Files and Structure**

* **Main Executable: StudentManagementSystem.exe**
* **XAMPP Installation: Files included for setting up Apache and MySQL.**
* **Database Setup: SQL script for setting up the necessary database tables.**

**Developer Contact**

**For questions or feedback regarding the Student Management System, please contact:  
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