

# Student Information System (SIS) - Project Documentation

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## Introduction

The Student Information System is a web-based platform designed to simplify and enhance the way students register, manage personal data, and view peers' academic profiles and achievements. Unlike traditional admin-only systems, this application focuses on student-to-student visibility while maintaining ease of use and modern aesthetics.

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## Statement of the Problem

Traditional systems used in academic institutions for handling student information are often outdated, limited to administrative access, and do not allow students to interact with or view their peers' academic profiles and achievements. These systems can be tedious to use, poorly designed, and do not promote engagement, transparency, or motivation among students.

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## Target Users

- **Students** – Register, edit, and view personal and peer profiles.
  - **Faculty (optional future role)** – For viewing and validating student profiles.
  - **School Administrators (future enhancement)** – For managing, approving, or deleting records.
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## System Features

1. **Login & Registration** – Secure authentication using hashed passwords.
  2. **Profile Management** – Edit profile, upload photo, update info.
  3. **Achievements Section** – Optional achievement uploads with proof.
  4. **Student Directory** – View all students, live search, and profile cards.
  5. **Modern UI** – Tailwind CSS, animated gradient, custom glowing cursor.
  6. **Secure File Uploads** – Images uploaded and stored safely.
  7. **Responsive Design (Planned)** – Ready for mobile enhancements.
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## System Architecture

### Client Side (HTML/CSS/JS)

- Handles UI, navigation, form steps, and dynamic cursor

## Server Side (PHP with PDO)

- Handles sessions, logic, database operations, and uploads

## Database (MySQL)

- Tables: `users`, `students`, `achievements`
- Stores student data, login credentials, images

[Client (HTML/CSS/JS)] ⇌ [PHP Backend] ⇌ [MySQL Database]



## Tools and Technologies Used

Layer	Tools / Tech Used
Frontend	HTML, Tailwind CSS, JavaScript
Backend	PHP, PDO, Sessions
Database	MySQL (studentInfo), phpMyAdmin (optional)
Environment	XAMPP / WAMP, VS Code, Chrome



## Benefits of the System

- Student-centric design
- Live search and profile discovery
- Easy registration with multi-step flow
- Achievements tracking (optional)
- Smooth UI transitions and animated effects
- Secure login and data handling



## Limitations & Future Improvements

### Limitations:

- No admin panel
- No mobile responsiveness
- No verification system for achievements

### Future Improvements:

- Admin dashboard
- Profile privacy settings

- Achievement validation
  - Messaging and notifications
  - Analytics dashboard
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## **Conclusion**

The Student Information System successfully delivers a dynamic and interactive platform for students to manage and showcase their academic profiles. It emphasizes a modern user experience, accessibility, and data transparency. While it accomplishes its core goals, future upgrades can turn this into a fully-featured institutional portal.

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## **Recommendations**

- Add role-based access control
  - Include email/password recovery
  - Introduce mobile-first design
  - Allow profile privacy customization
  - Add export/backup options for data
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