FULL STACK DEVELOPMENT MINI PROJECT

TITLE : " EduSync: Streamlined Student Management "

MEET THE GROUP

Drishti Chauhan
PD 38
1032211866

Ayush Kulshreshtha
PD 39
1032211870

Shivanshi Singh
PD 40
1032211883

Aksaht Lahariya
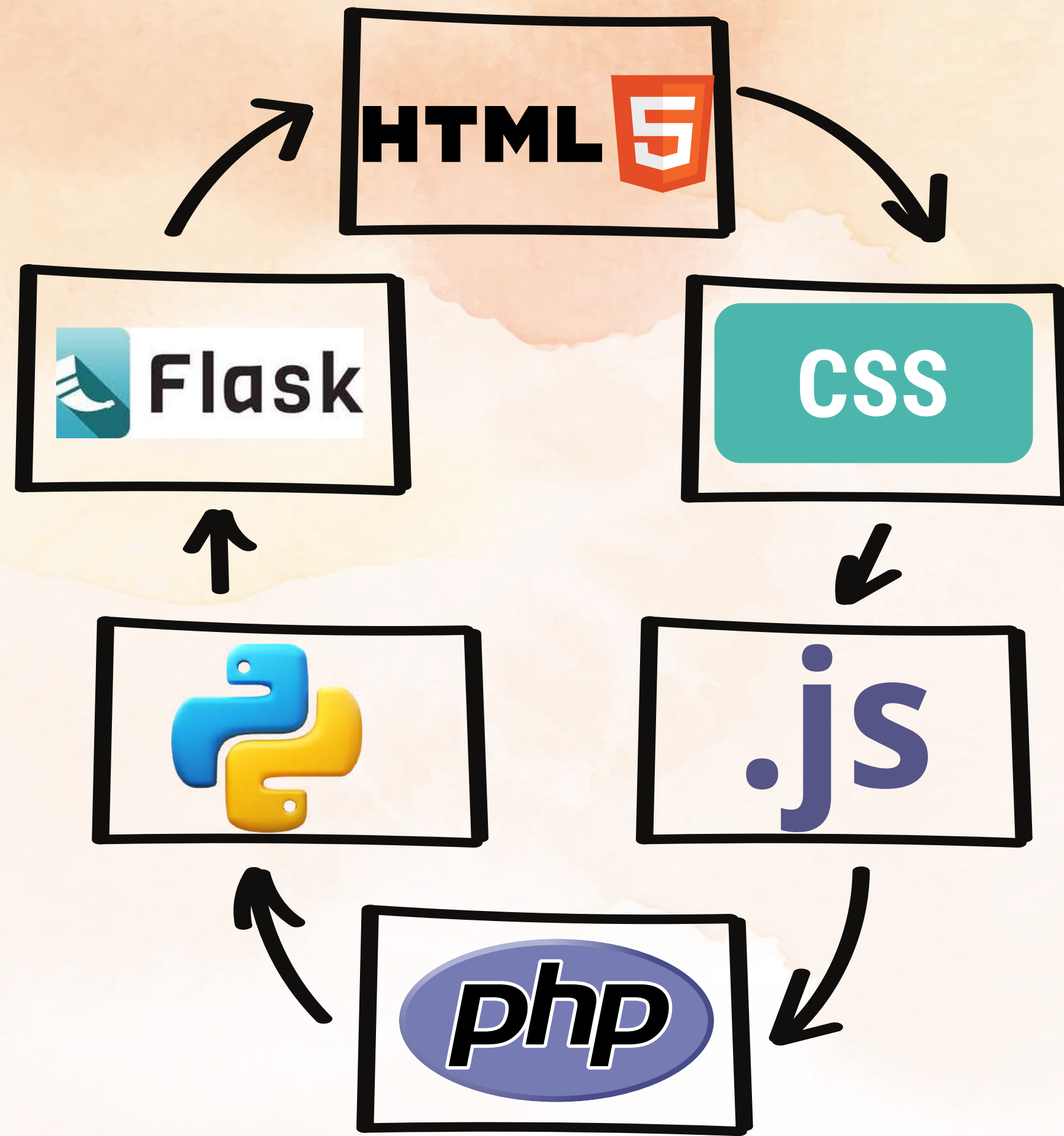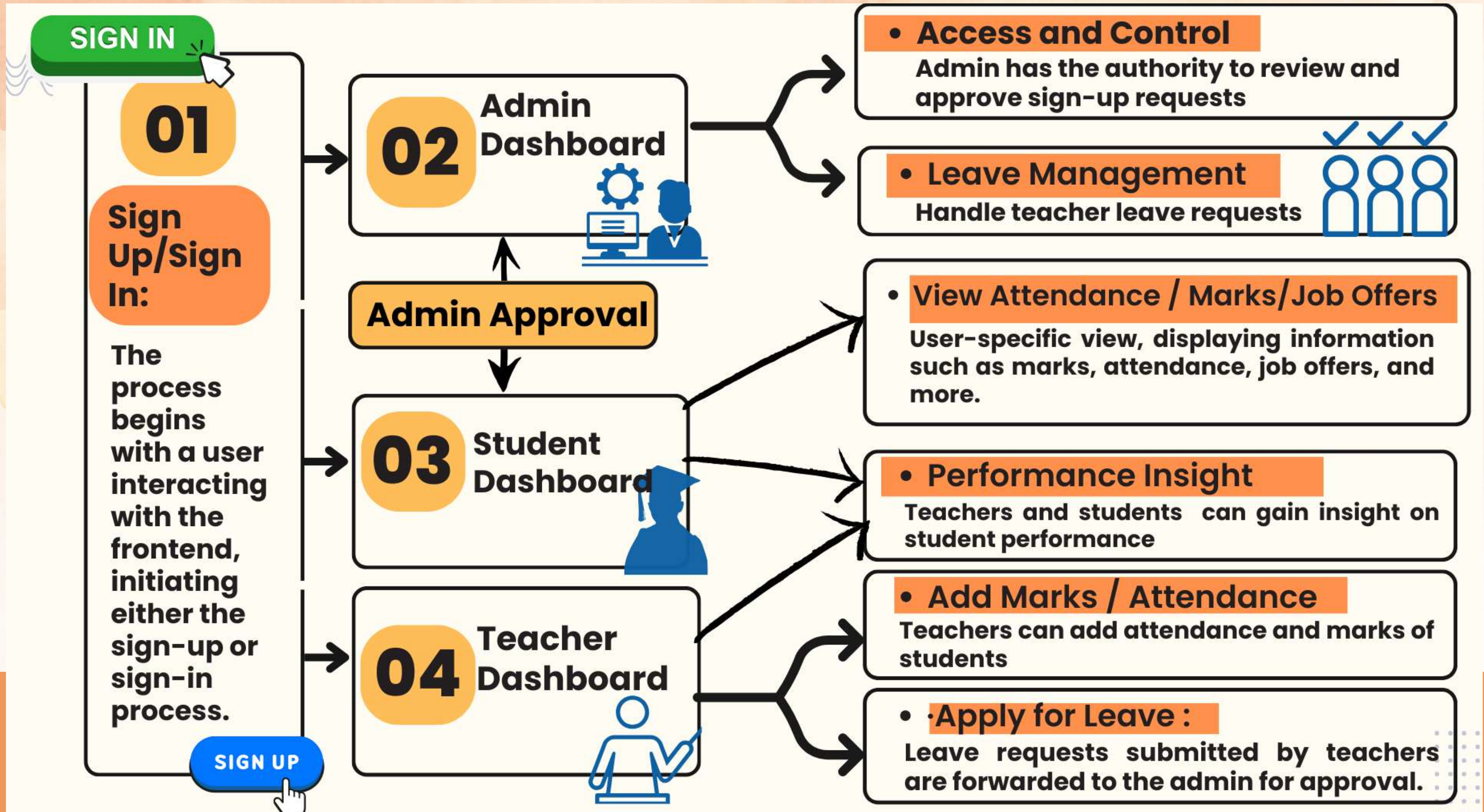**PD 41**
1032211883

PROJECT OVERVIEW

Developd a comprehensive Student Performance Management System integrating HTML, CSS, JavaScript, Next.js, PHP, Python, and Flask. The system aims to manage student data, facilitate teacher interactions, and provide advanced insights into student performance through AI models.
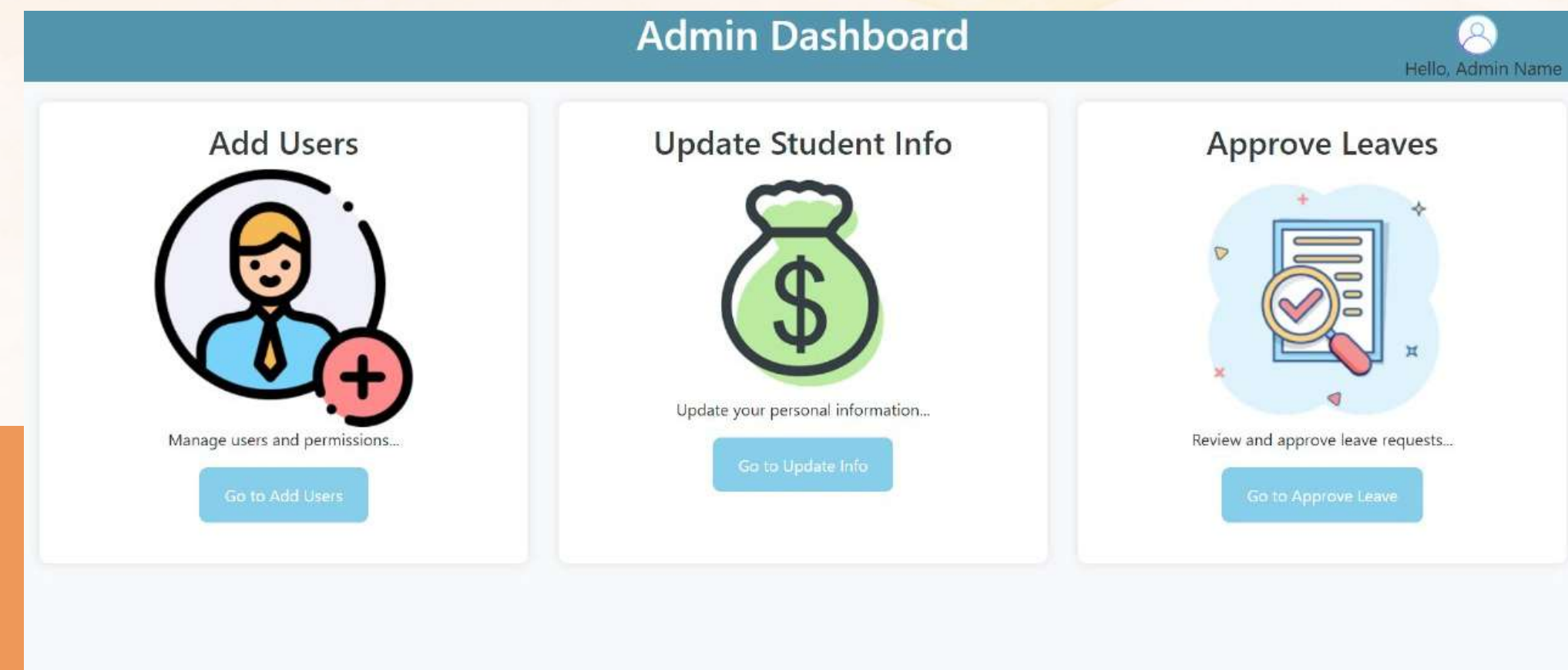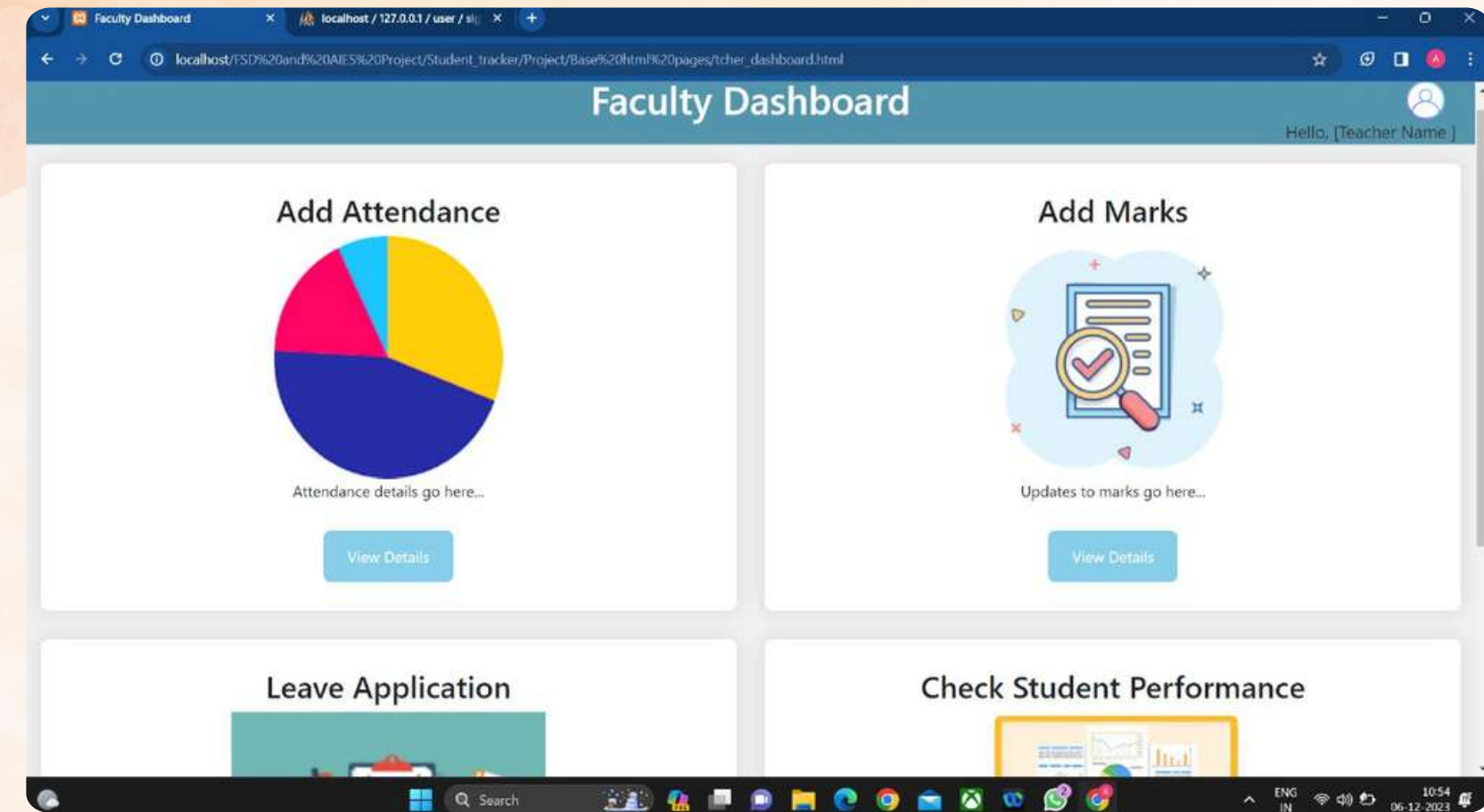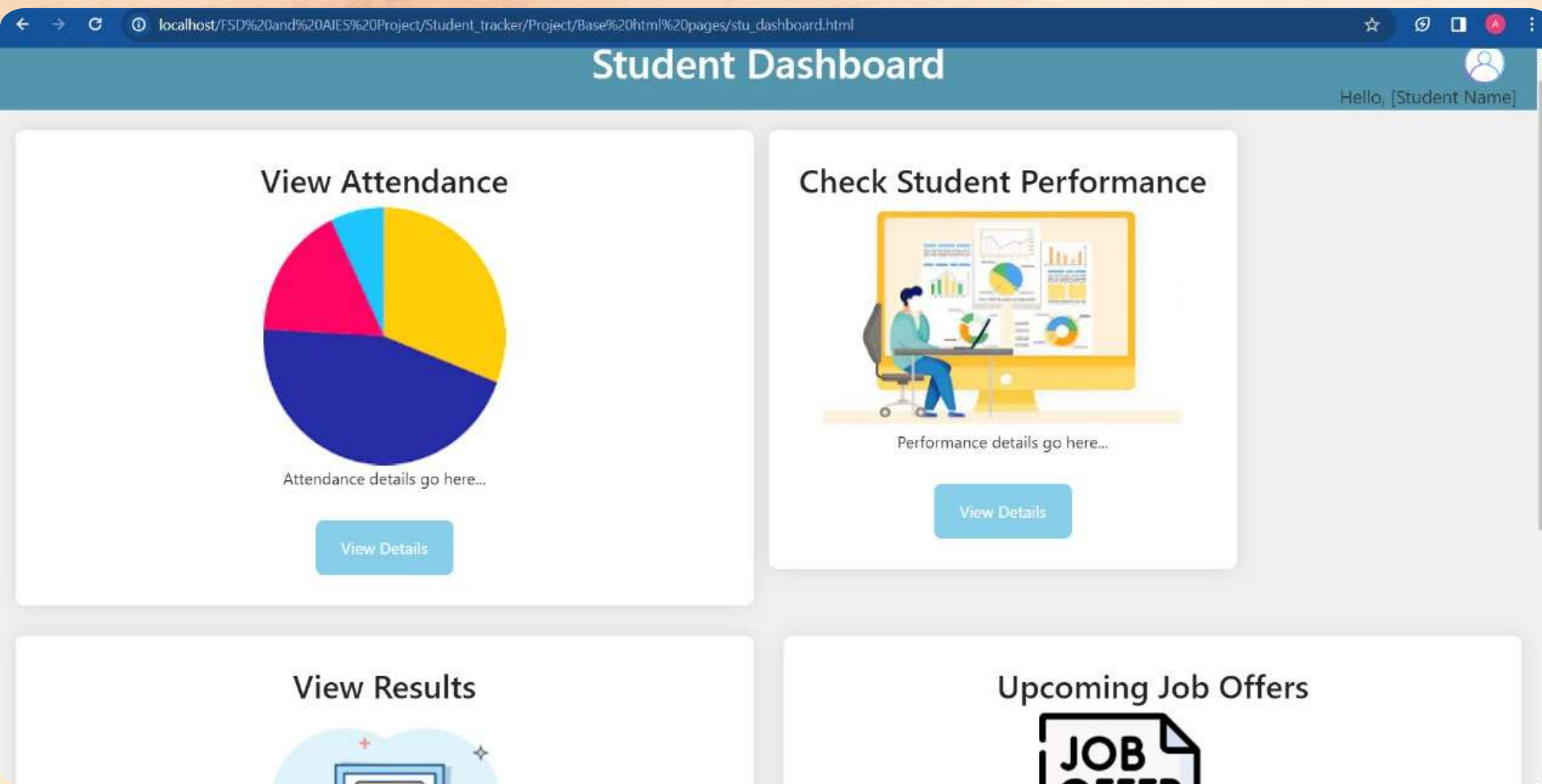
Overview of Various Technologies Used

WORKFLOW / ARCHITECHTURE DIAGRAM

SIGN IN

01

Sign Up/Sign In:

The process begins with a user interacting with the frontend, initiating either the sign-up or sign-in process.

SIGN UP

02 Admin Dashboard

Admin Approval

03 Student Dashboard

04 Teacher Dashboard

- **Access and Control**
  Admin has the authority to review and approve sign-up requests

- **Leave Management**
  Handle teacher leave requests

- **View Attendance / Marks/Job Offers**
  User-specific view, displaying information such as marks, attendance, job offers, and more.

- **Performance Insight**
  Teachers and students can gain insight on student performance

- **Add Marks / Attendance**
  Teachers can add attendance and marks of students

- **·Apply for Leave :**
  Leave requests submitted by teachers are forwarded to the admin for approval.

SNAPSHOTS OF OUR WEBSITE

ADD MARKS

Name

PRN

Marks ITCH

Marks AIES

Marks DEC

Marks FSD

Marks ICS

Roll Number:

Add Marks

Admin Dashboard

Home

Hello, Admin Name

Logout

Pending Leave Approvals

Leave Request:

Faculty ID: 12345

Faculty Name: Anjali

Leave From: 2023-12-08

Leave To: 2023-12-14

Leave Type: sick

Approve | Decline

Leave Request:

Faculty ID: 12345

Faculty Name: Rakhi

Leave From: 2023-12-14

Leave To: 2023-12-27

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phpMyAdmin

Server: 127.0.0.1 » Database: user » Table: signup

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Triggers

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 0 (1 total, Query took 0.0003 seconds.)

SELECT * FROM `signup`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

Name	Email	Password	Status
Drishti Chauhan	S1032211891@mitwpu.edu.in	Drishti@38	0

Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

Print | Copy to clipboard | Export | Display chart | Create view

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phpMyAdmin

Server: 127.0.0.1 » Database: user

Structure | SQL | Search | Query | Export | Import | Operations | Privileges | Routines | Events | Triggers | Designer

Filters

Containing the word:

Table △	Action							Rows	Type	Collation	Size	Overhead
form	☆	Browse	Structure	Search	Insert	Empty	Drop	3	InnoDB	latin1_swedish_ci	16.0 KiB	-
leave_requests	☆	Browse	Structure	Search	Insert	Empty	Drop	2	InnoDB	latin1_swedish_ci	16.0 KiB	-
marks_table	☆	Browse	Structure	Search	Insert	Empty	Drop	0	InnoDB	latin1_swedish_ci	16.0 KiB	-
signup	☆	Browse	Structure	Search	Insert	Empty	Drop	1	InnoDB	latin1_swedish_ci	16.0 KiB	-
student_table	☆	Browse	Structure	Search	Insert	Empty	Drop	0	InnoDB	latin1_swedish_ci	16.0 KiB	-
5 tables	Sum							6	InnoDB	latin1_swedish_ci	80.0 KiB	0 B

Check all | With selected:

Print | Data dictionary

Create new table

Table name | Number of columns: 4 | Create

SNAPSHOTS OF NEXT.JS & FLASK IMPLEMENTATION
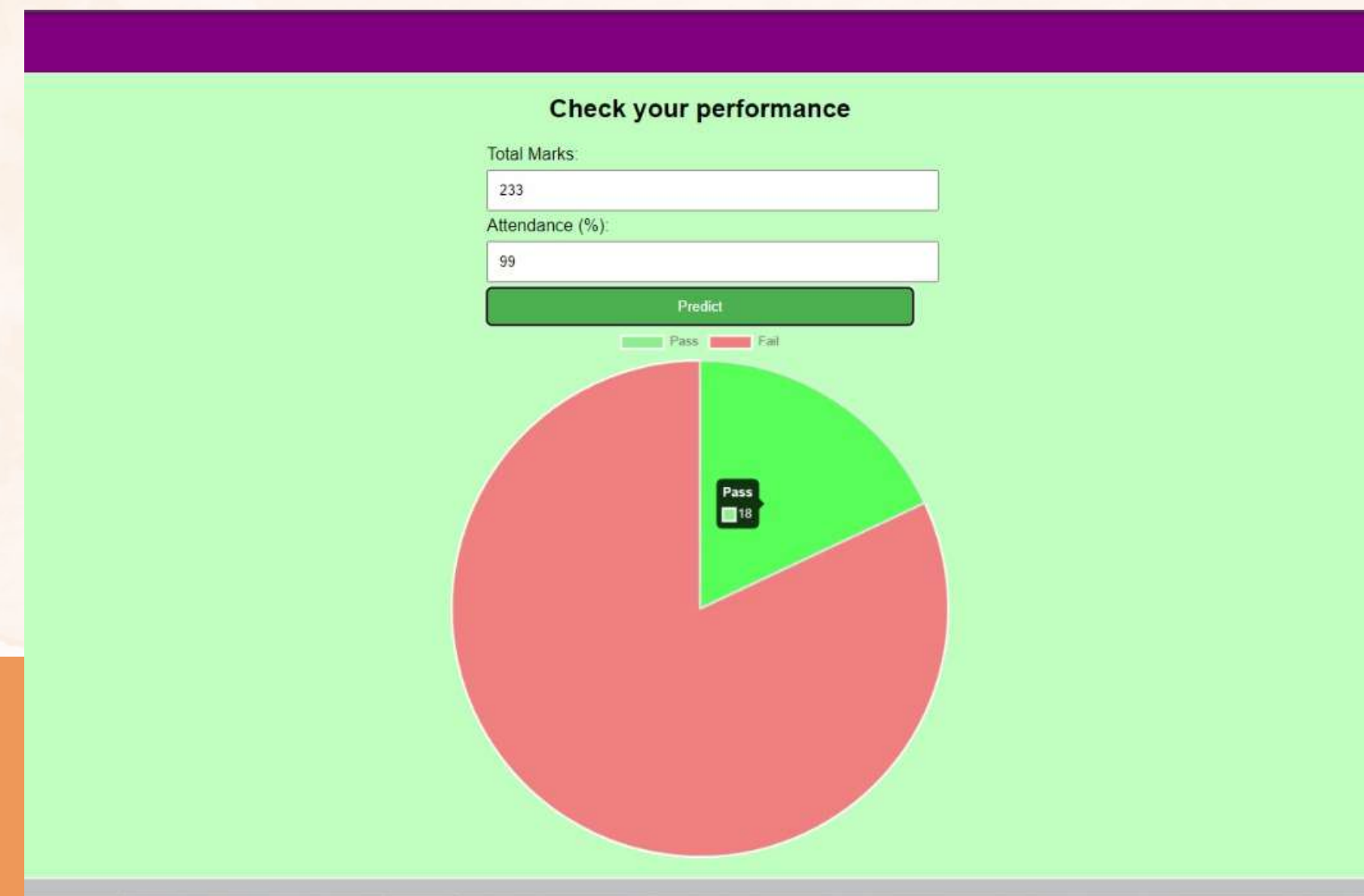
FUTURE SCOPE

1. Advanced Languages:

- Integrate Python or Java for advanced analytics and personalized learning.

2. Better Database (MongoDB):

- Transition to MongoDB for enhanced scalability and real-time data handling.

3. Authorization Mechanisms (OAuth):

- Implement OAuth for robust security and delegated access controls.
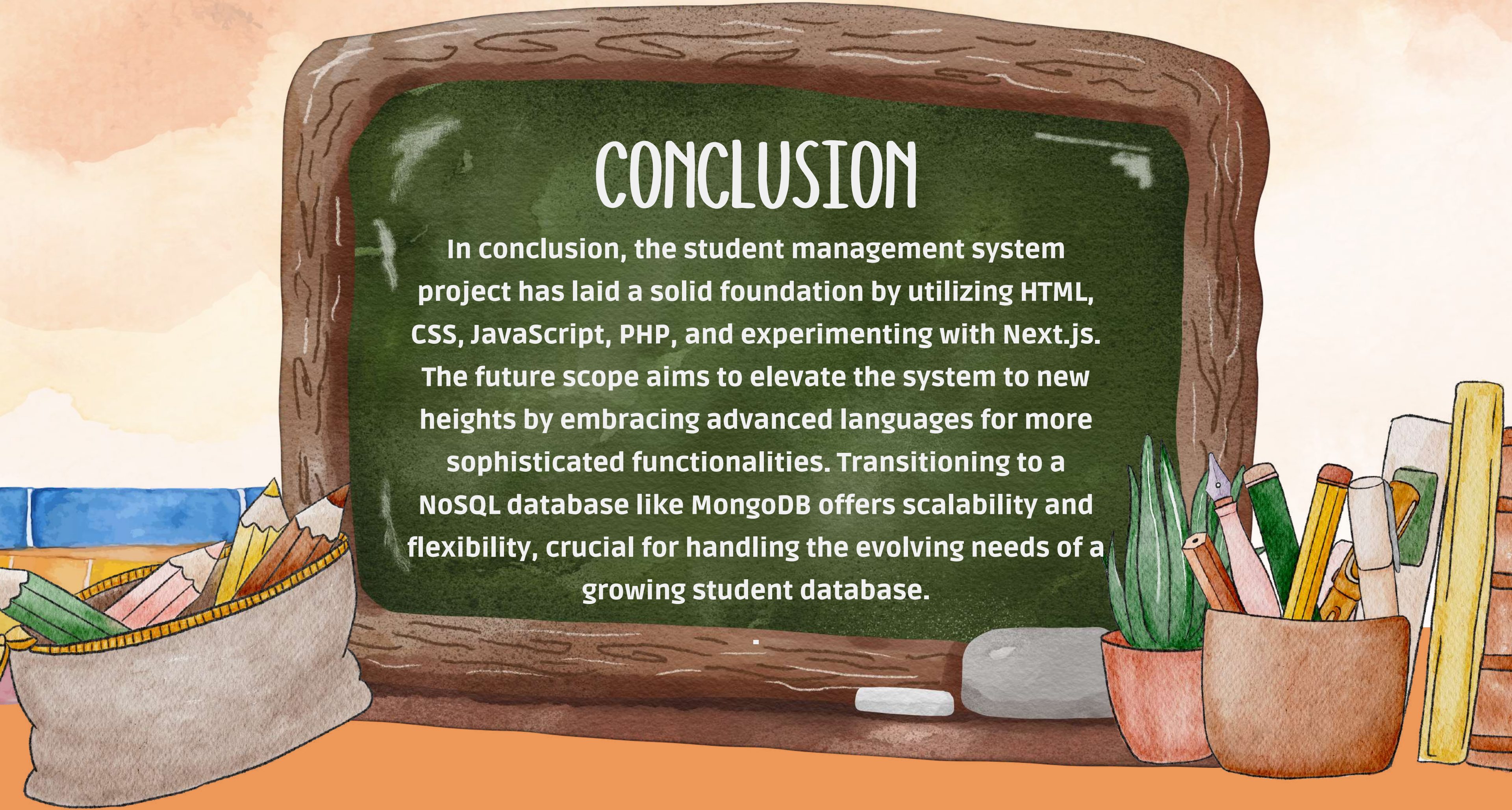
4. Next.js Advantages:

- Utilize Next.js features like automatic code splitting and prefetching for optimized frontend performance.

NEXT.JS

CONCLUSION

In conclusion, the student management system project has laid a solid foundation by utilizing HTML, CSS, JavaScript, PHP, and experimenting with Next.js. The future scope aims to elevate the system to new heights by embracing advanced languages for more sophisticated functionalities. Transitioning to a NoSQL database like MongoDB offers scalability and flexibility, crucial for handling the evolving needs of a growing student database.

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THANK YOU