Green University

Primary School Management System (PSMS)

Supervisor:

Name: Ms. Babe Sultana
Designation: Lecturer
Green University Of Bangladesh

Presented By:

Name: Md Mahmudul Hasan
ID:201015083

Name: MD Mamun Ur Roshid
ID:201015066

Name: Ananto Chandra Dey
ID:201015137

Outline

- Objective
- Motivation
- Background Study
- Tools & Techniques
- Work Flow Diagram
- Use Case Diagram
- Data Flow Diagram
- Features
- Gantt Chart
- Budget
- Conclusion
- Reference

Objectives

- The purpose of school management system is to automate the existing manual system by the help of computerized equipment and full-fledged computer software.

- So that their valuable information can be stored for a longer period with easy access

Motivation

- At present, primary school management systems are fairly analogue systems.
- Due to running on an analogue system, it is seen that there are many duplicate documents. Every document should be kept in a ledger so that resources are no longer available if lost or destroyed.
- So, if a software system can be developed through which these documents can be stored on an online server, duplicate data will not be generated, and data redundancy will be reduced.
- For this reason, we want to make software through which the functionality required according to the primary school category will be here

Background Study

❖ Bidyaan

Bidyaan is an advanced Education Management System in Bangladesh. It simplifies the interaction among Administrator, HRM, Exam control, Teacher, Students, Parents,..

- This website does not have hostel services and transportation services
- Students cannot apply through this website

https://www.bidyaan.com/

Background Study (Cont.)

❖ Digital Pathshala

- The software provides the facility to carry out students, academic, and accounting activities and makes them fast, easy, efficient, and accurate, student subscription, examination, certification, reports generation, result generation, fee counter, library, payroll system and many more

- This website does not have a map, event calendar and transportation service schedule.

http://extreme.com.bd/Software/school-student-software-chittagong

Background Study (Cont.)

❖ My Class Campus

- My Class Campus is designed to make school management digital and more advanced. The platform allows parents to view the profiles of their children, anytime, from anywhere.

❖ This platform not allows to generate notice board and transportation service schedule.

https://myclasscampus.com/home

❖Tools & Techniques

❖Frontend

React js

Next js-

Tailwind CSS

❖Backend

Node js

GraphQL

❖Database

PostgresQL

PrismaORM

Work Flow Diagram

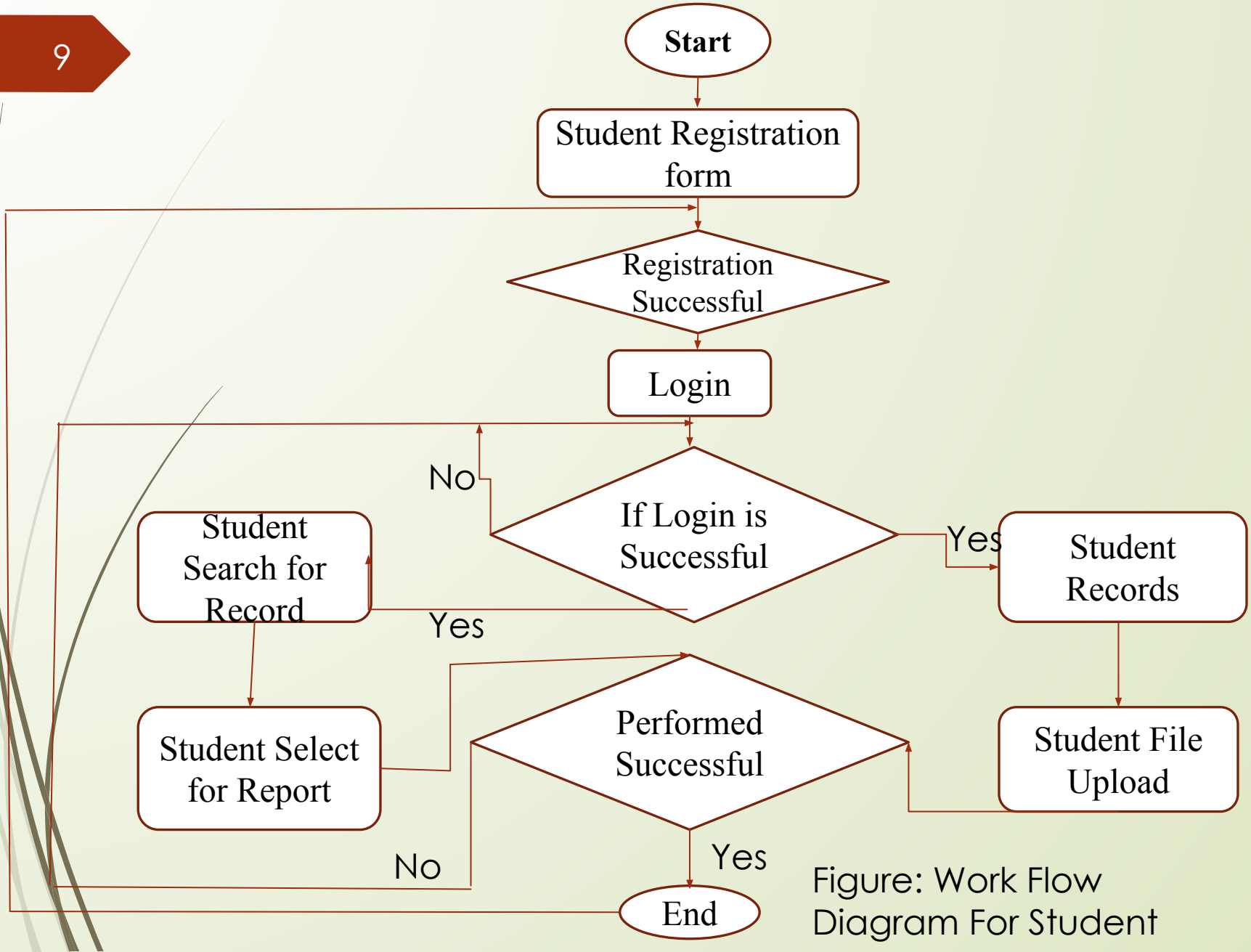


Figure: Work Flow Diagram For Student

Use Case Diagram

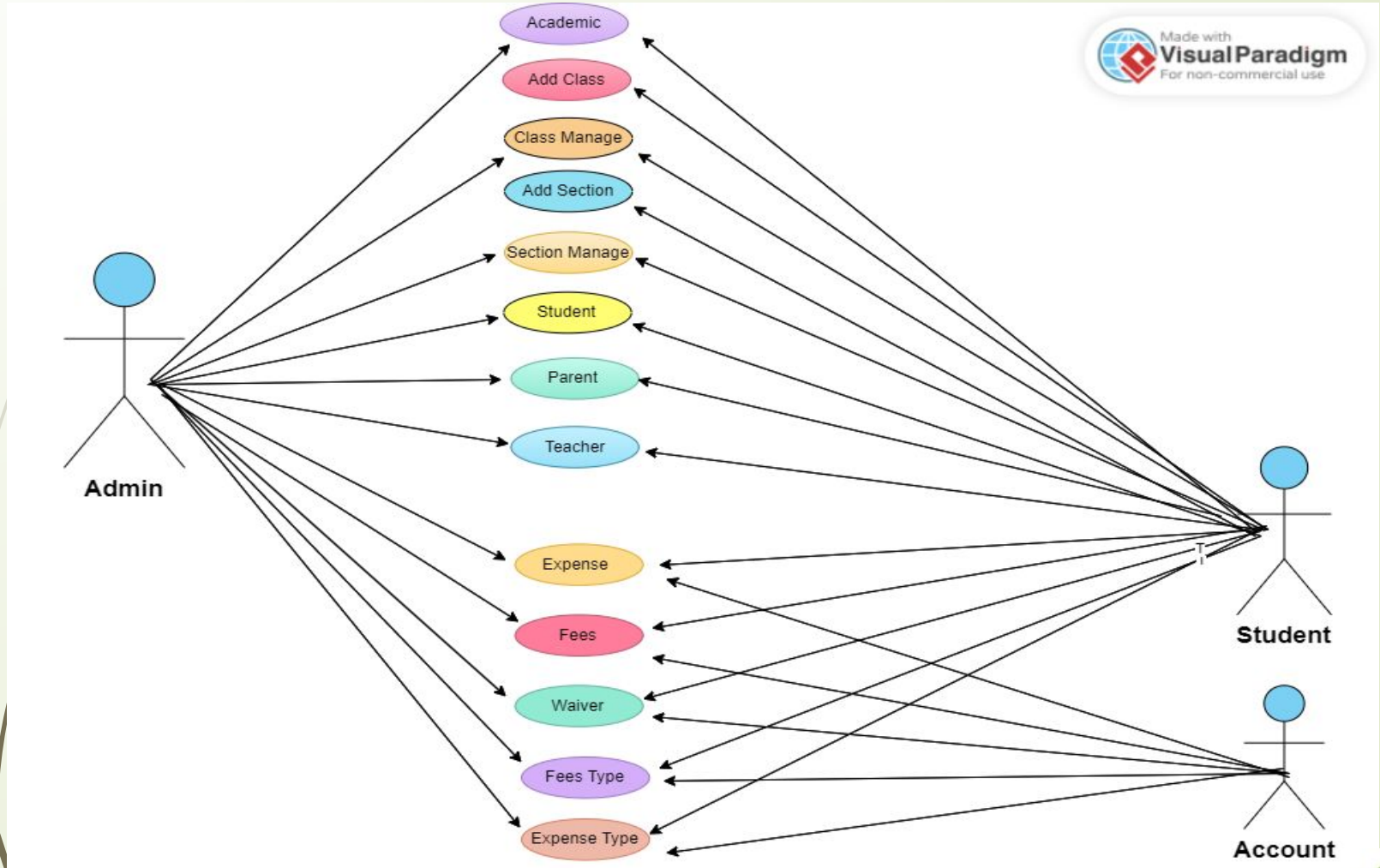


Fig: Use Case Diagram

Data Flow Diagram Level 0

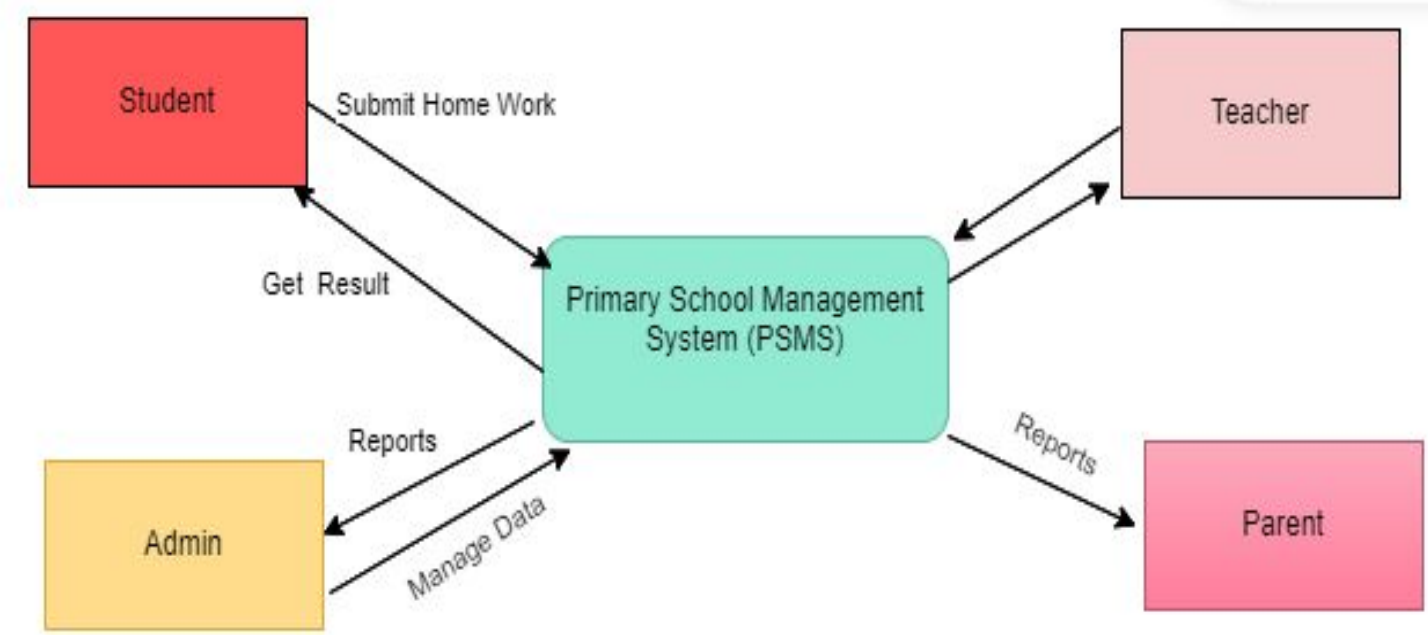


Fig: Data Flow Diagram Level 0

Data Flow Diagram Level 1

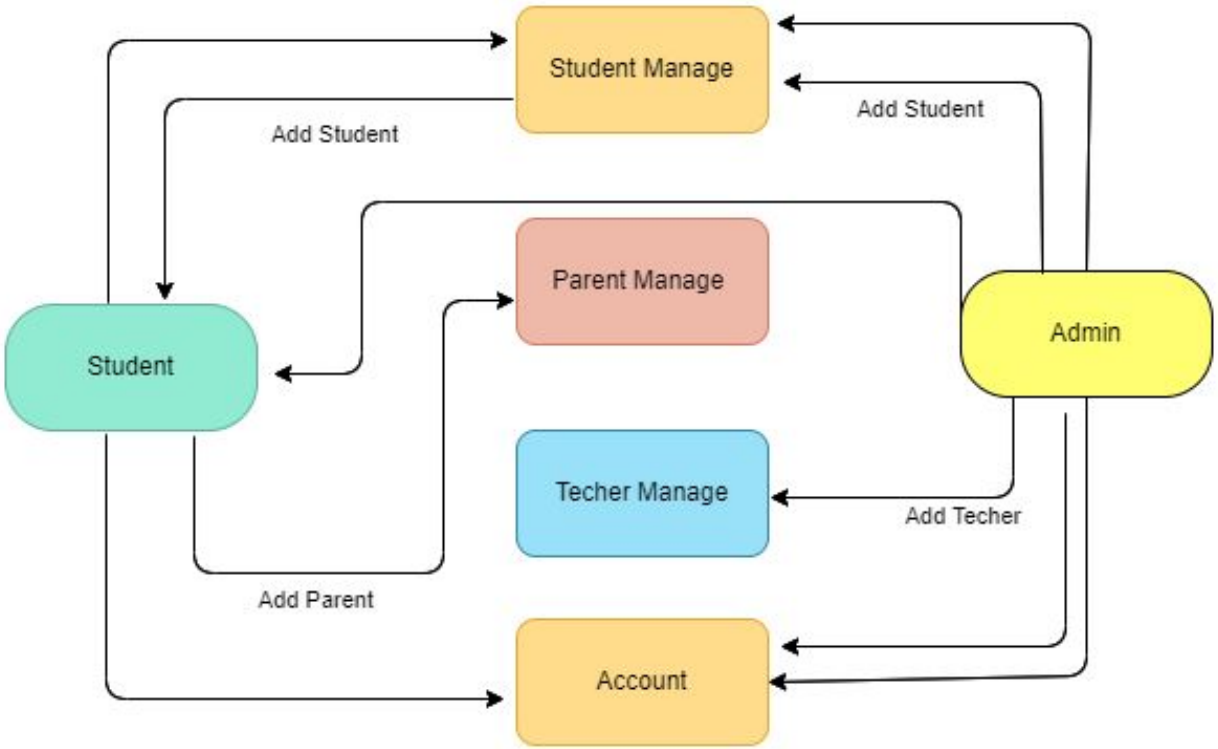


Fig: Data Flow Diagram Level 1

Features

In the proposed system we have several feature. These are: -

- Search
- Manage Students, Teachers, Staff, Parents and Users
- Manage Academic Year, Sections, Classes, Class Rooms, Subjects, Incomes, Expenses, HR
- Reports – Students, Teachers, Parents, Staff, Users, Products, Incomes & Expenses, Students & Staff Attendance, Visitors Log, Student Records, Class Lists, Events
- User Access Role

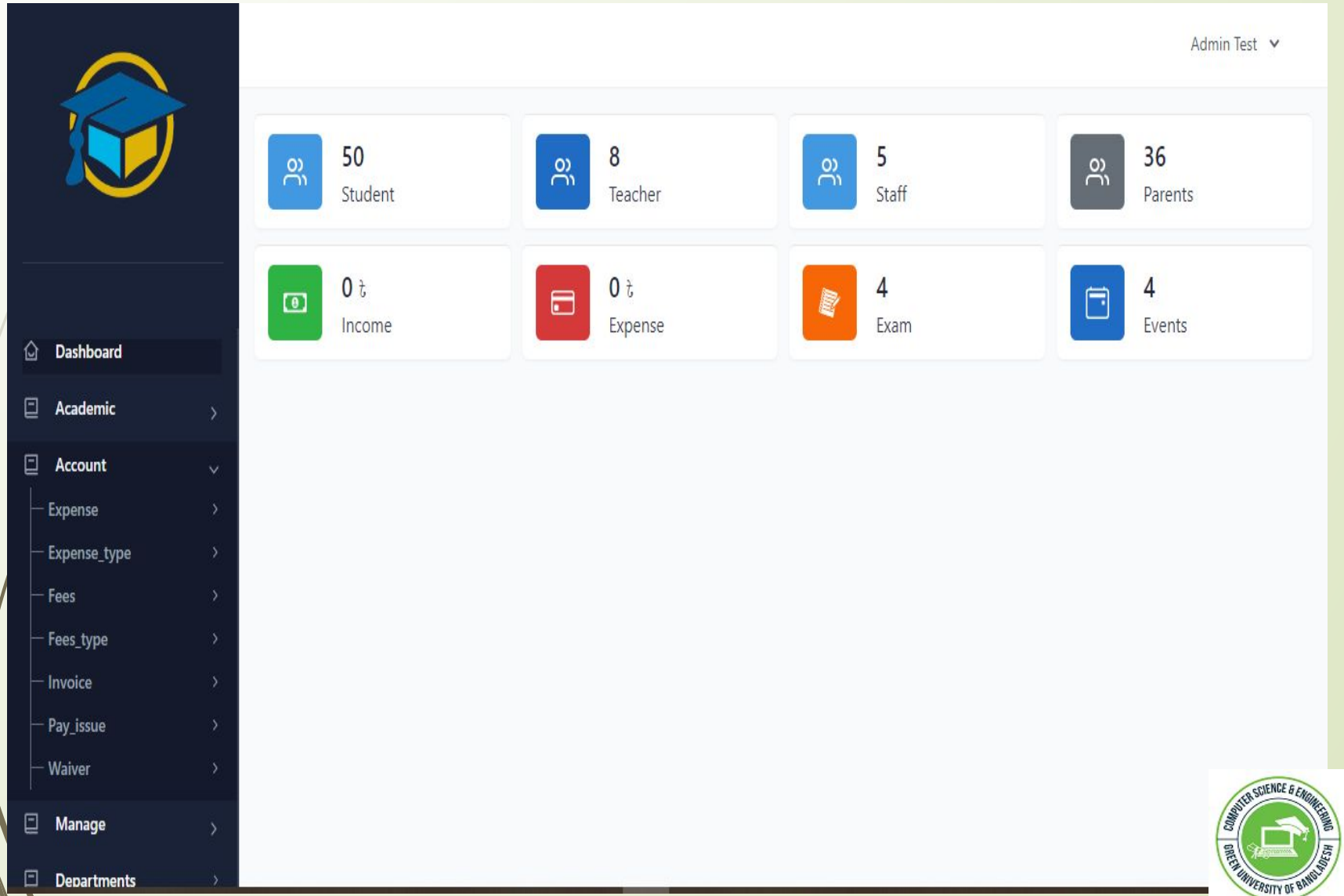
Gantt Chart:

Months	1	2	3	4	5	6	7	8
Project Activities								
Planning								
Design								
Coding								
Testing								
Delivery								

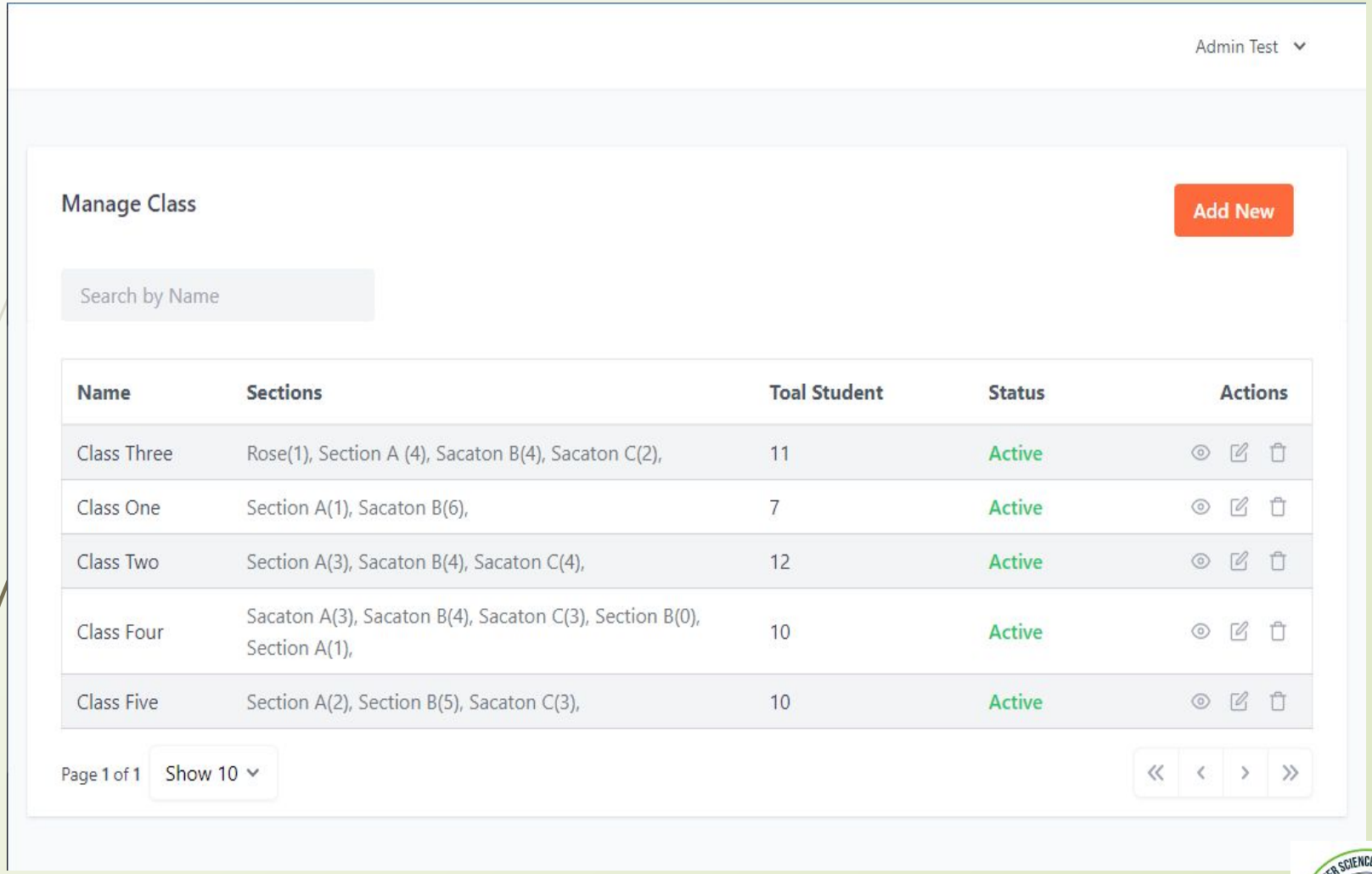
Budget:

No.	Requirements	Unit Cost	Estimated cost (Tk.)
1.	Jr. Web Developer (2 persons) (4 Months)	5,000/month	60,000
2.	Sr. Web Developer (1 Month)	20,000	20,000
3.	Domain Cost	-	5,000
4.	Deployment Cost	--	20,000
5.	Miscellaneous	--	9,000
	Total		114,000

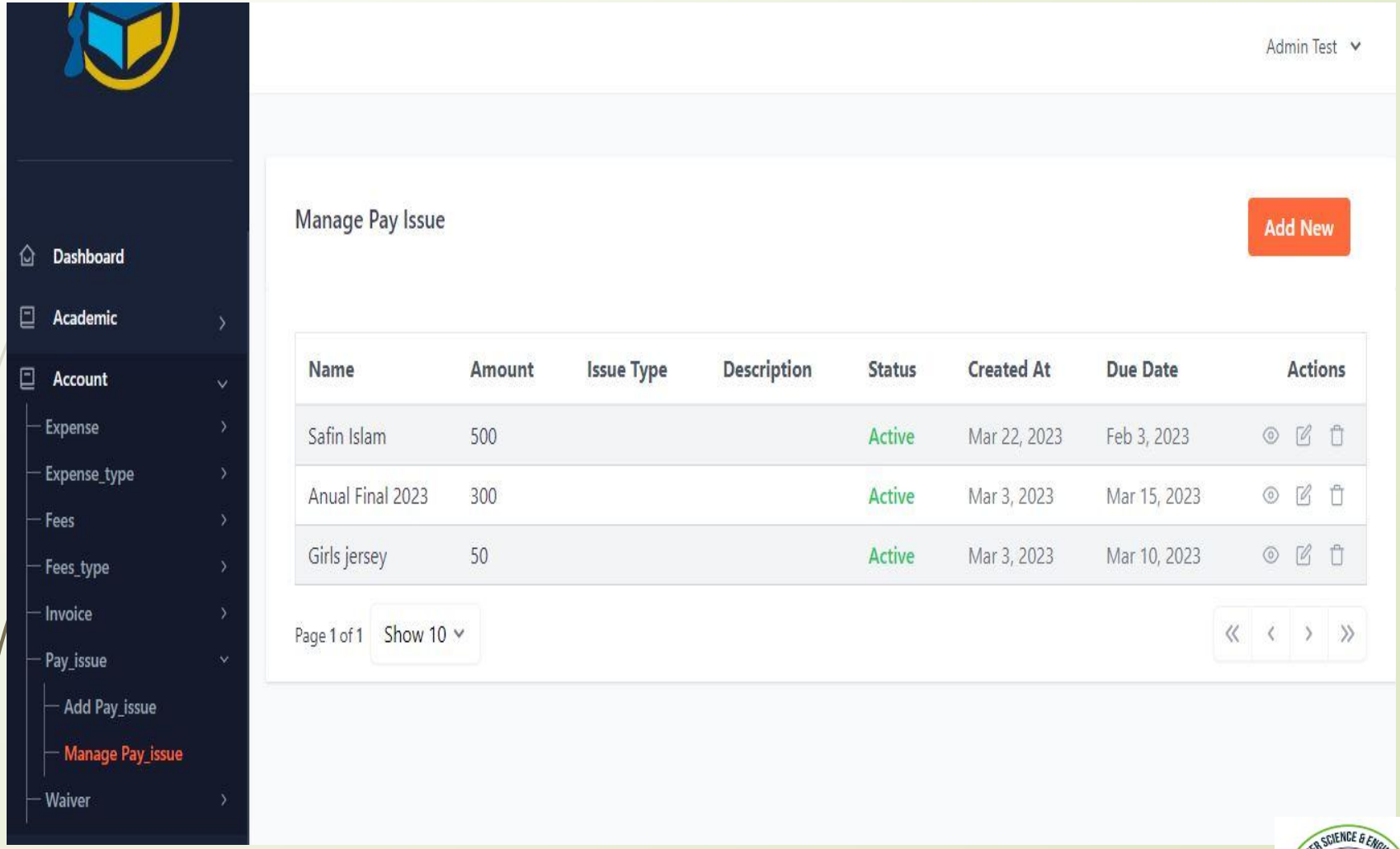
Implementation Progress



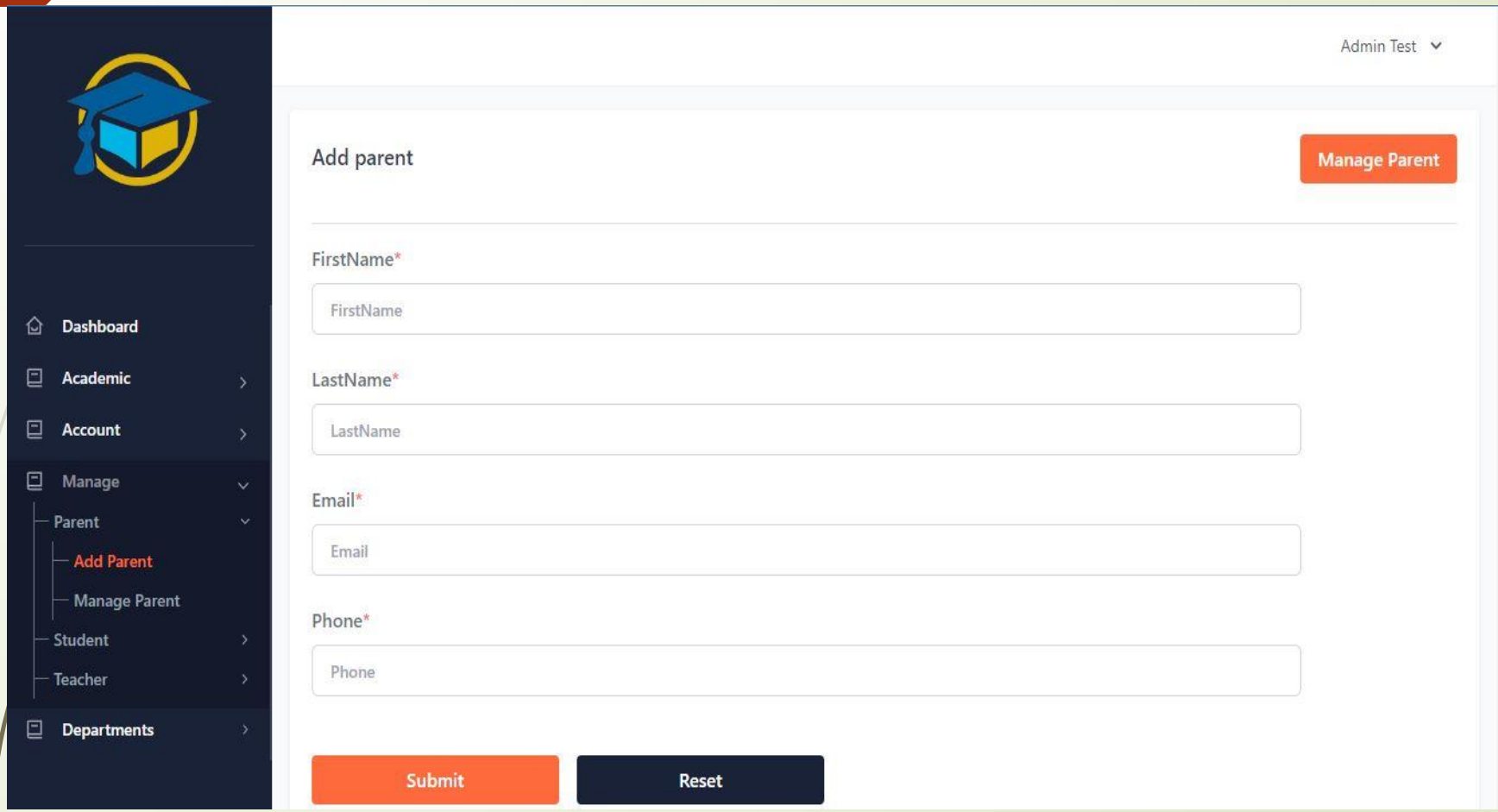
Implementation Progress (Cont.)



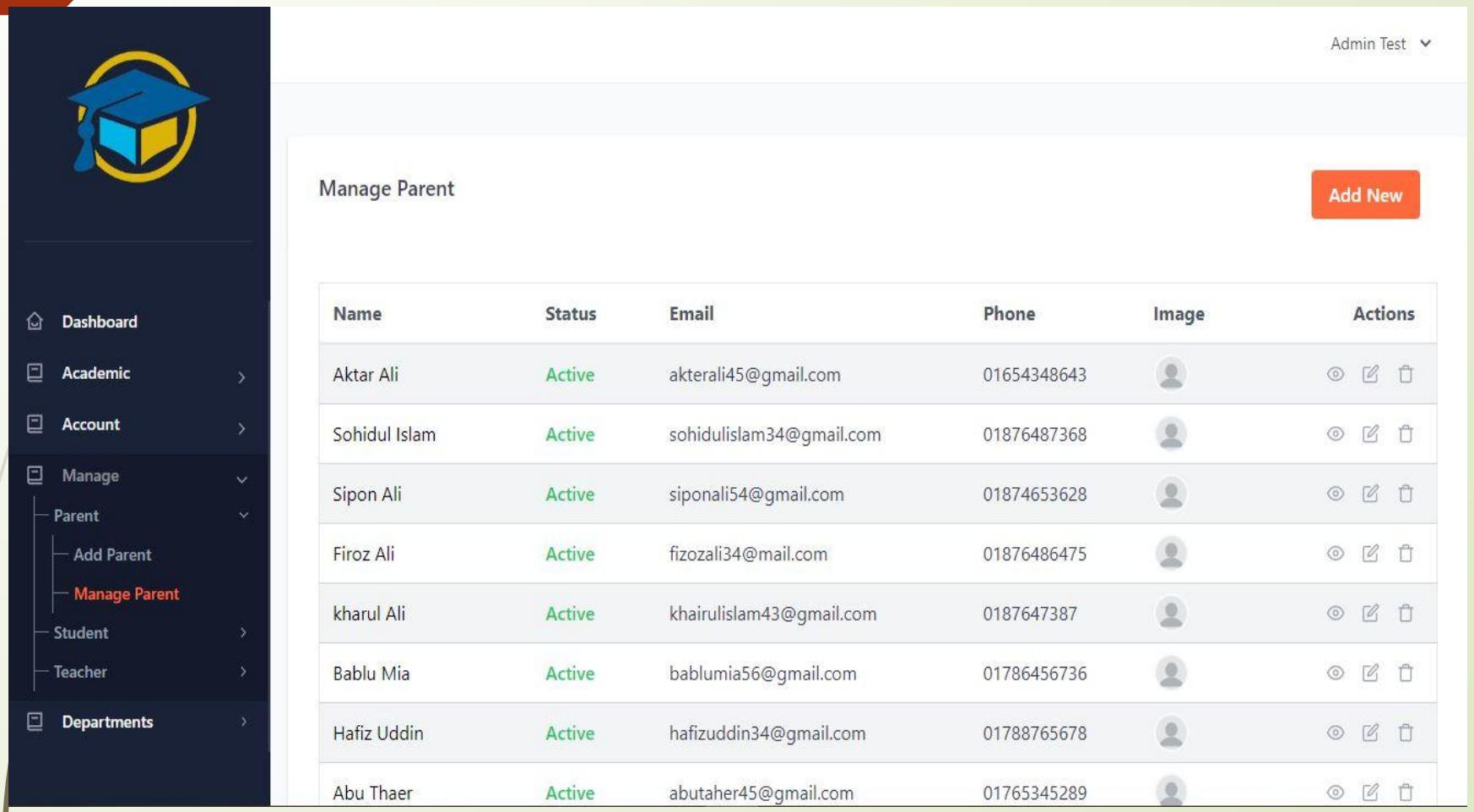
Implementation Progress (Cont.)



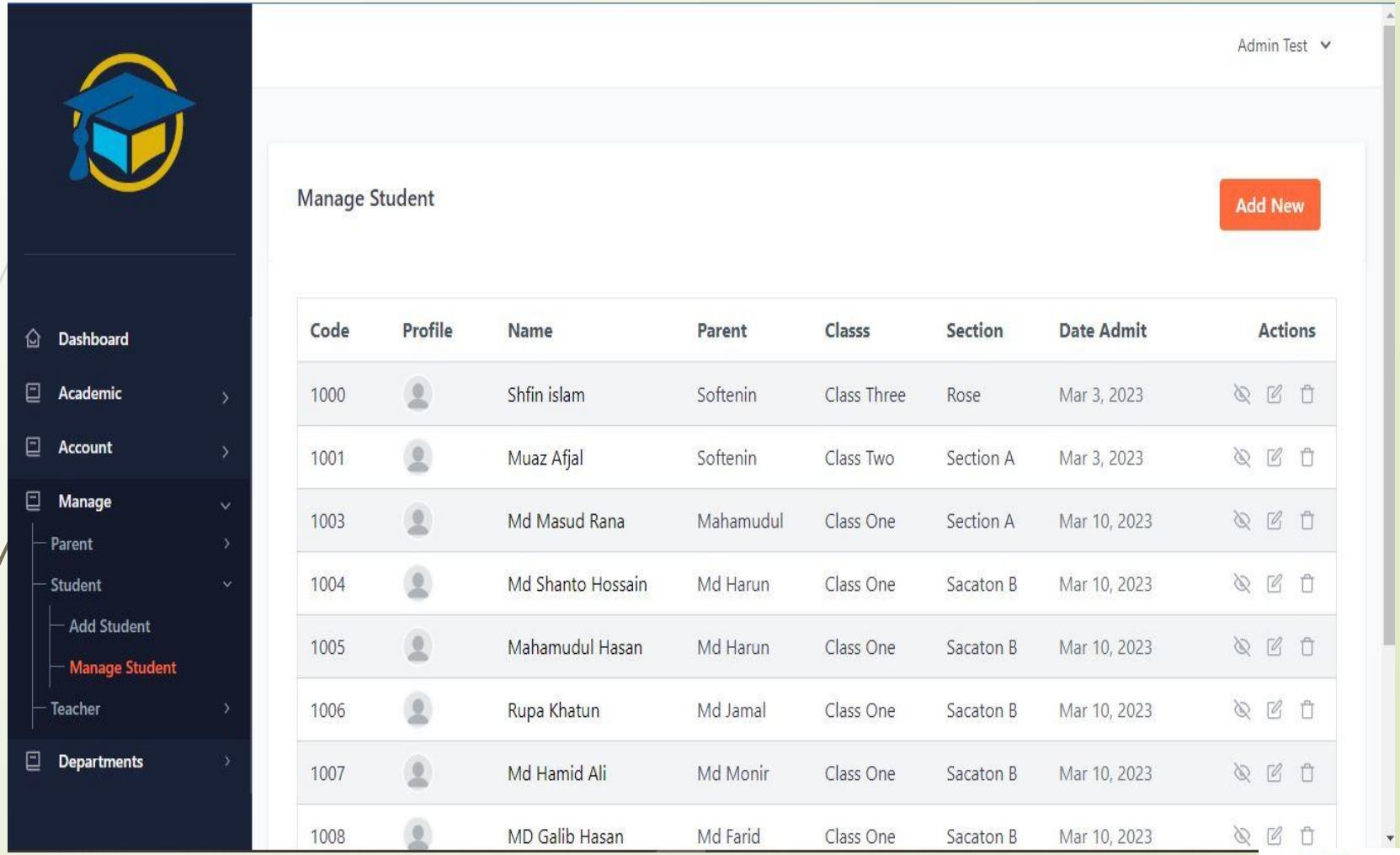
Implementation Progress (Cont.)



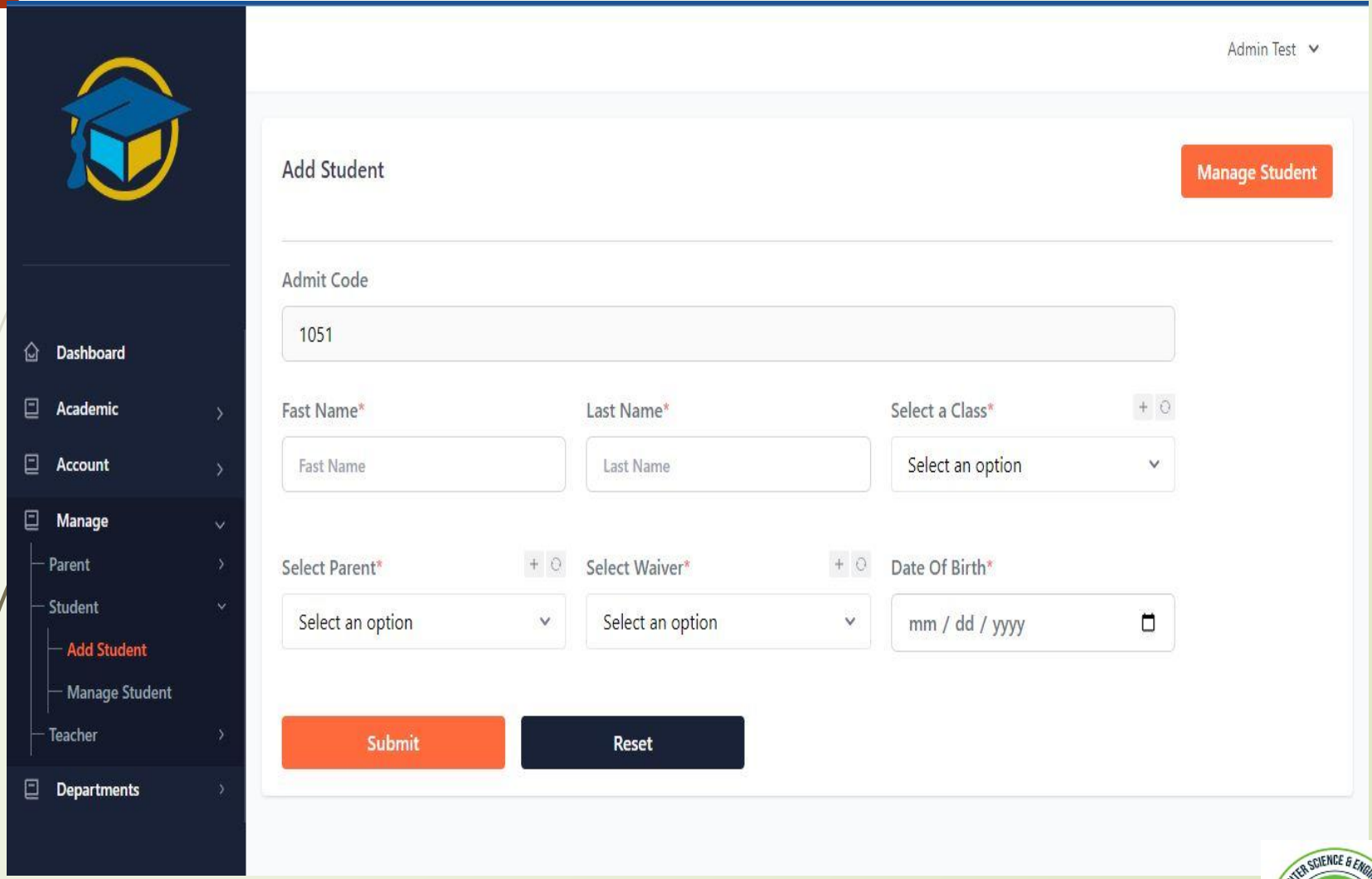
Implementation Progress (Cont.)



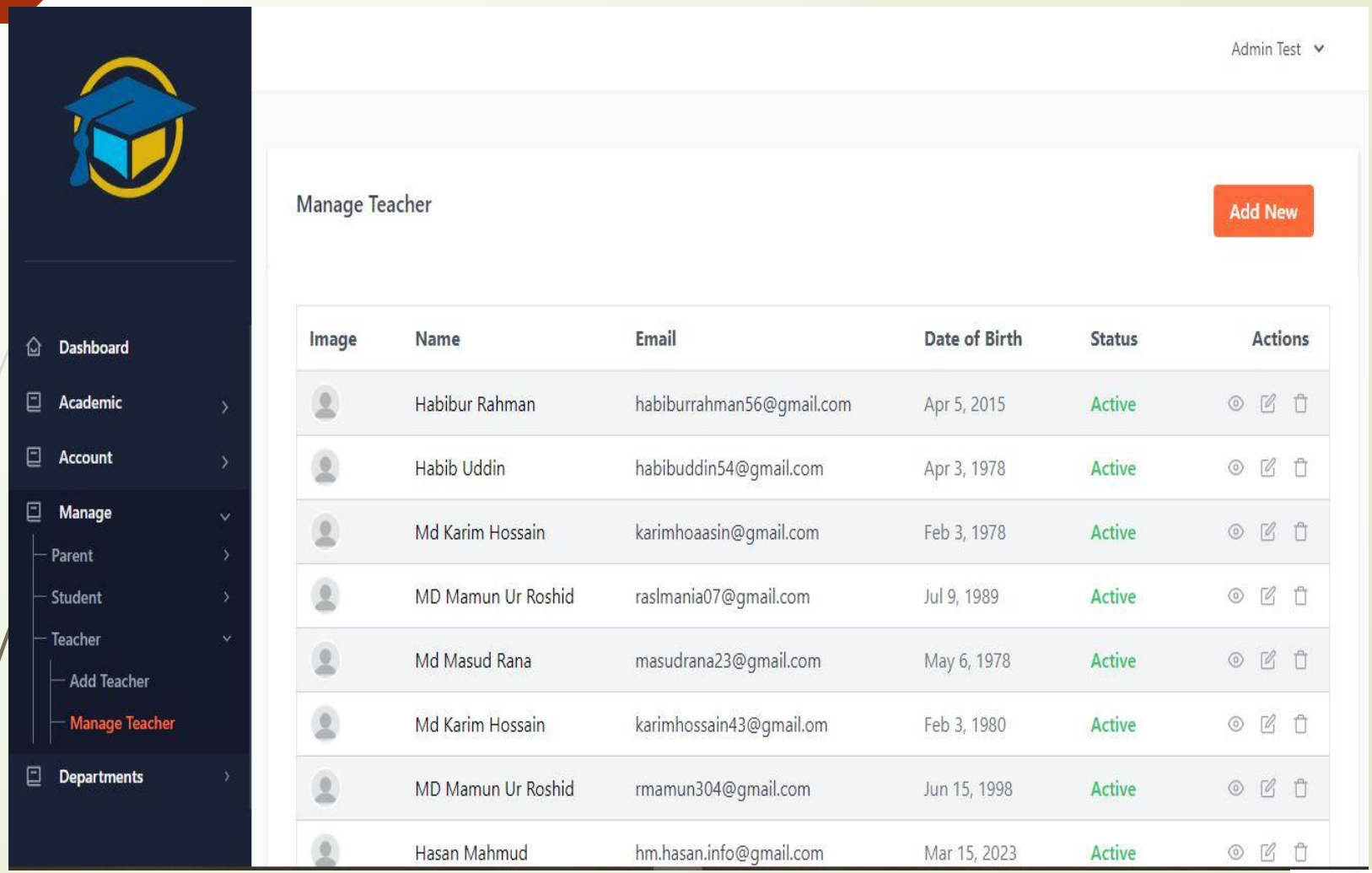
Implementation Progress (Cont.)



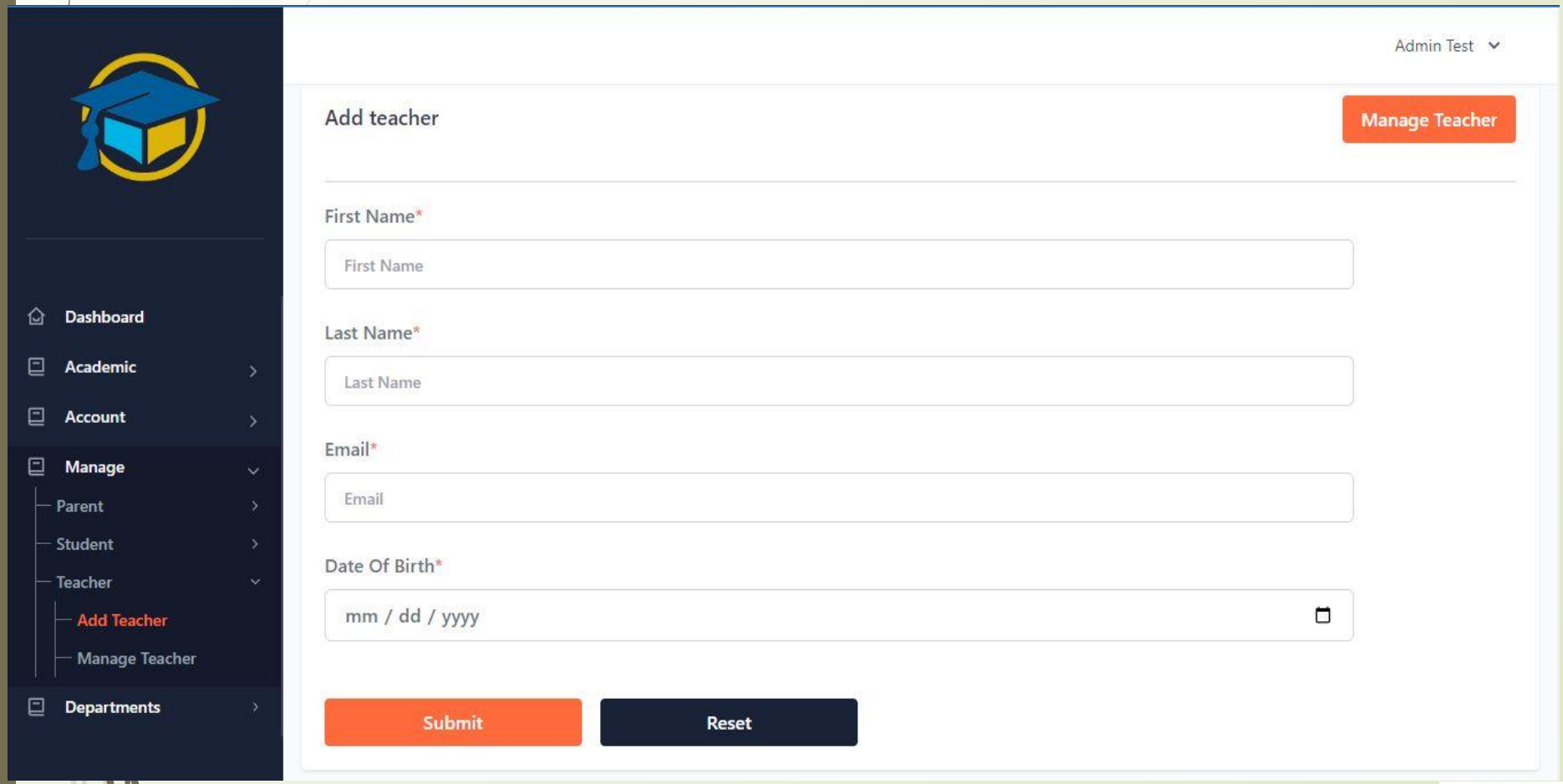
Implementation Progress (Cont.)



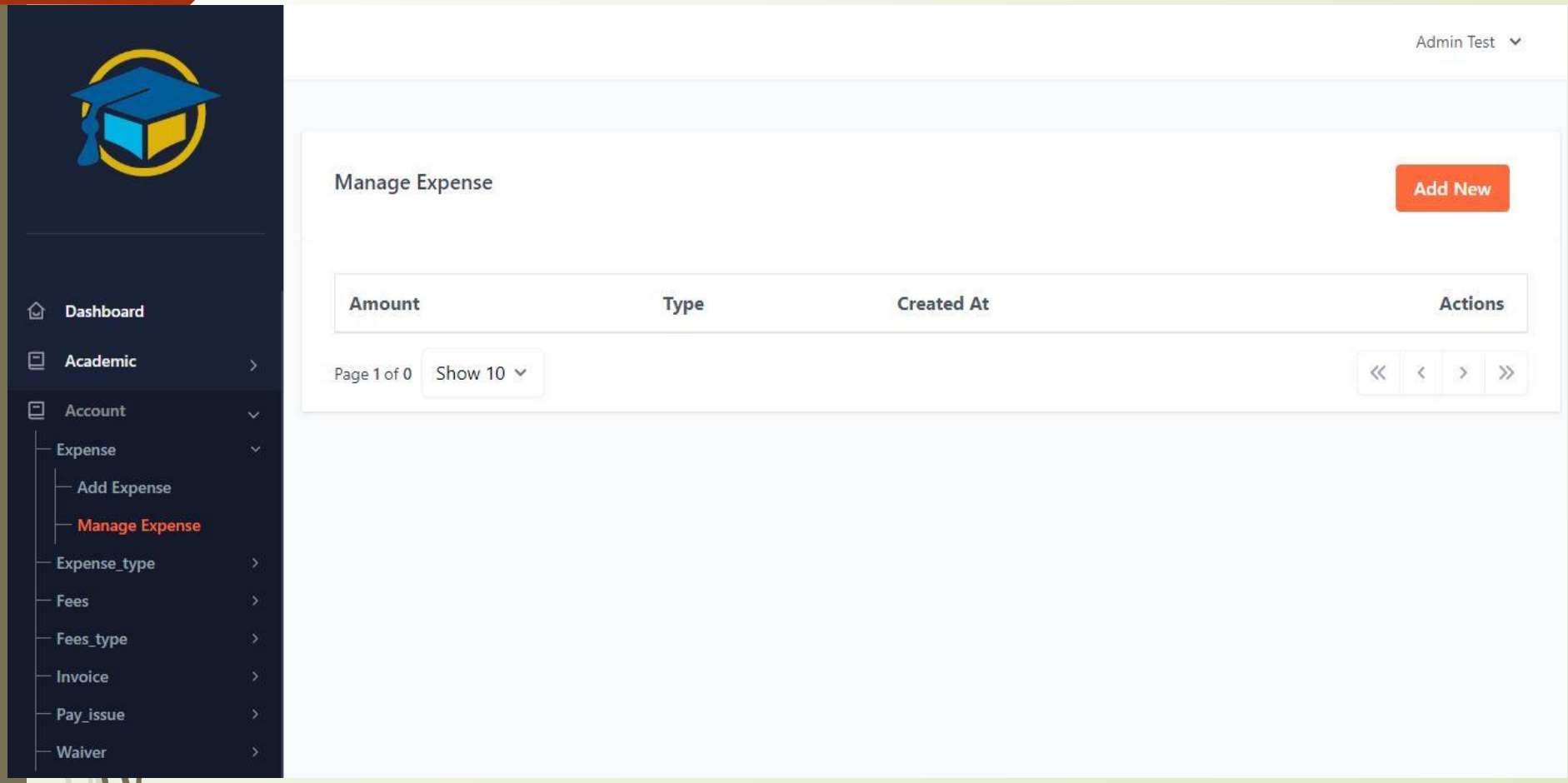
Implementation Progress (Cont.)



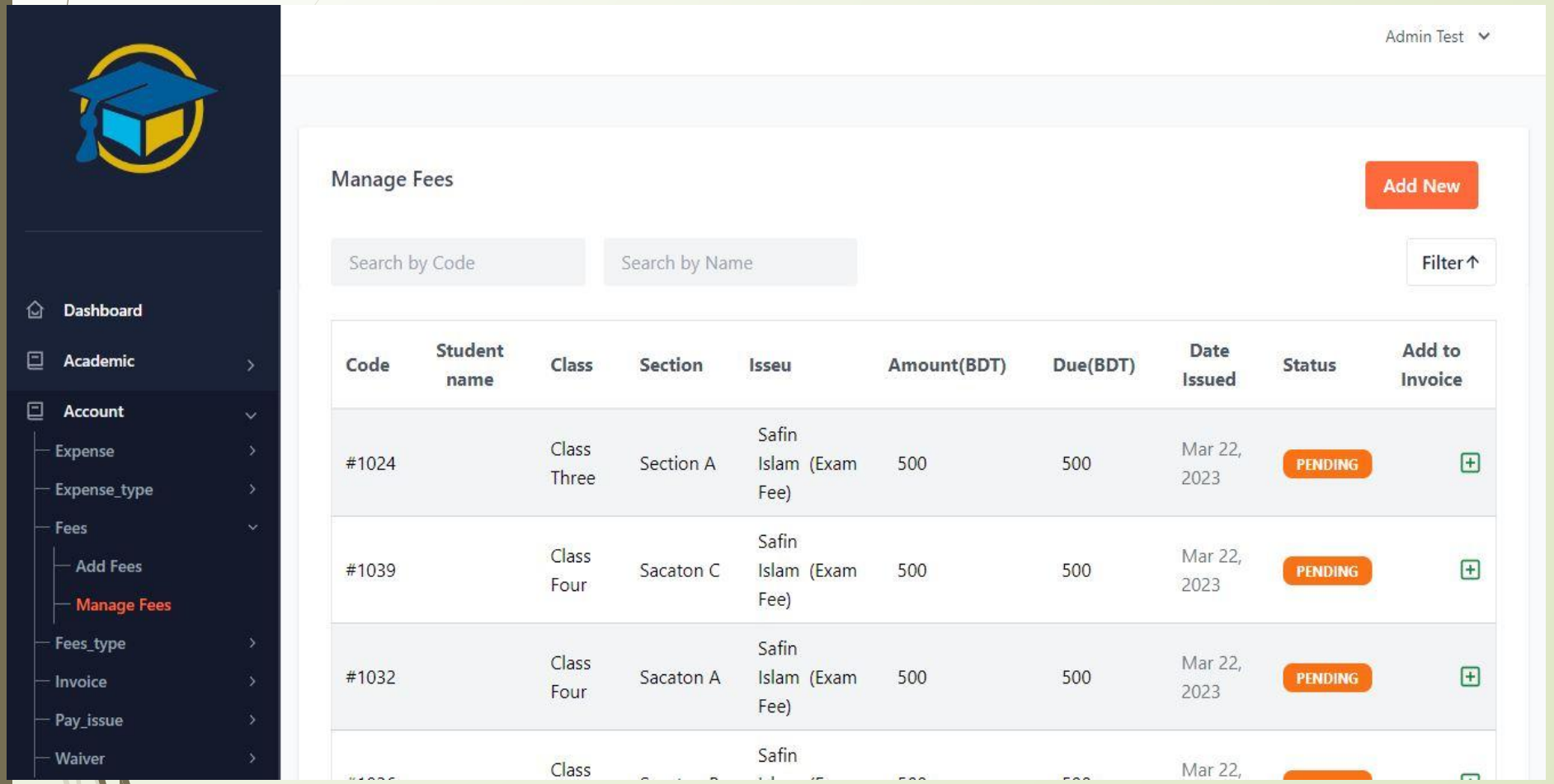
Implementation Progress (Cont.)



Implementation Progress (Cont.)



Implementation Progress (Cont.)



Conclusion

- Primary Student management systems can be used by educational institutions to easily maintain their student records.
- Achieving this objective using manual systems is difficult because information is scattered, may be redundant, and collecting relevant information can be very time consuming.
- This arrangement helps the students of the institution to maintain information. It can be easily accessed by the manager and kept safe for a long time without any changes.

Reference:

1] www.bidyaan.com
[2] www.extreme.com.bd
[3] my class campus.com

Thank
You