STUDENT RESULT MANAGEMENT SYSTEM

A MINI-PROJECT REPORT

Submitted by

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RAJALAKSHMI ENGINEERING COLLEGE

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BONAFIDE CERTIFICATE

Certified that this project **"STUDENT RESULT MANAGEMENT SYSTEM** is the bonafide work of **"J.RACHEL SHERIN (2116210701200)"** who carried out he project work under my supervision.

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Submitted for the End semester practical examination to be held on …….

INTERNAL EXAMINER **EXTERNAL EXAMINER**

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ABSTRACT

The Student Result Management System (SRMS) is a comprehensive software solution designed to streamline and enhance the process of managing student academic data and results within educational institutions. The system integrates advanced technologies to automate the traditionally labor-intensive tasks associated with result processing, ensuring efficiency, accuracy, and accessibility.

The SRMS facilitates seamless data entry and storage of student information and examination results. It offers a user-friendly interface for administrators, teachers, and students, allowing them to interact with the system intuitively.

One of the key features of the SRMS is its ability to automate result computation. This not only reduces the risk of human error but also accelerates the result publication process, providing timely feedback to students and stakeholders.

Furthermore, the SRMS promotes transparency by offering secure access to results for authorized users. Students can view their individual results and transcripts, while teachers can analyze and track the academic performance of their classes.

Security is a top priority in the SRMS, with robust authentication mechanisms and data encryption ensuring the confidentiality and integrity of student records. Additionally, the system is scalable and adaptable, accommodating the evolving needs of educational institutions of varying sizes and structures.

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CHAPTER 1

INTRODUCTION

1.1INTRODUCTION

The introduction of a Student Result Management System (SRMS) marks a pivotal leap in the realm of educational administration, providing a technologically advanced solution to the challenges posed by traditional manual methods of result processing. In the dynamic landscape of academic institutions, the SRMS stands as a beacon of efficiency, promising to streamline and automate the intricate process of managing student results. As educational institutions grapple with increasing enrollments and diverse courses, the need for a centralized, user-friendly system becomes more apparent. This system is designed to transcend the limitations of conventional approaches, providing administrators, teachers, and students with a seamless interface for result-related interactions.

1.2 SCOPE OF THE WORK

We describe what features are in the scope of the software and what are not in the software to be developed.

In Scope:

- User login for administrators, teachers, and students.
- Differentiated access levels for each user type.
- Add, Update and Delete Student profile.

Out of Scope:

- Personal details unrelated to academic performance, such as medical records or personal preferences.
- Management of financial transactions, fee payments, or financial accounting.

1.3 PROBLEM STATEMENT

In contemporary educational environments, the manual handling of student academic data and result processing has proven to be a cumbersome and error-prone task. The current reliance on traditional methods, such as paper-based records and manual grade calculations, not only consumes significant administrative time but also introduces the risk of inaccuracies in result publication. Additionally, the lack of a centralized and automated system hampers the efficiency of academic.By streamlining result management processes and ensuring data accuracy, the SRMS aims to revolutionize the way academic results are processed, published, and accessed, ultimately contributing to a more efficient and reliable educational ecosystem

1.4 AIM AND OBJECTIVES OF THE PROJECT

The Student Result Management System (SRMS) aims to streamline and modernize the management of student academic data within educational institutions. The primary objective is to replace cumbersome manual processes with an automated platform that ensures accuracy, transparency, and accessibility in result processing. By automating the calculation and processing of student results, the system seeks to reduce the administrative burden associated with manual data entry and computations. Ultimately, the SRMS seeks to enhance stakeholder satisfaction by offering a reliable, efficient, and transparent solution for managing academic results.

CHAPTER 2

SYSTEM SPECIFICATIONS

2.1 HARDWARE SPECIFICATIONS

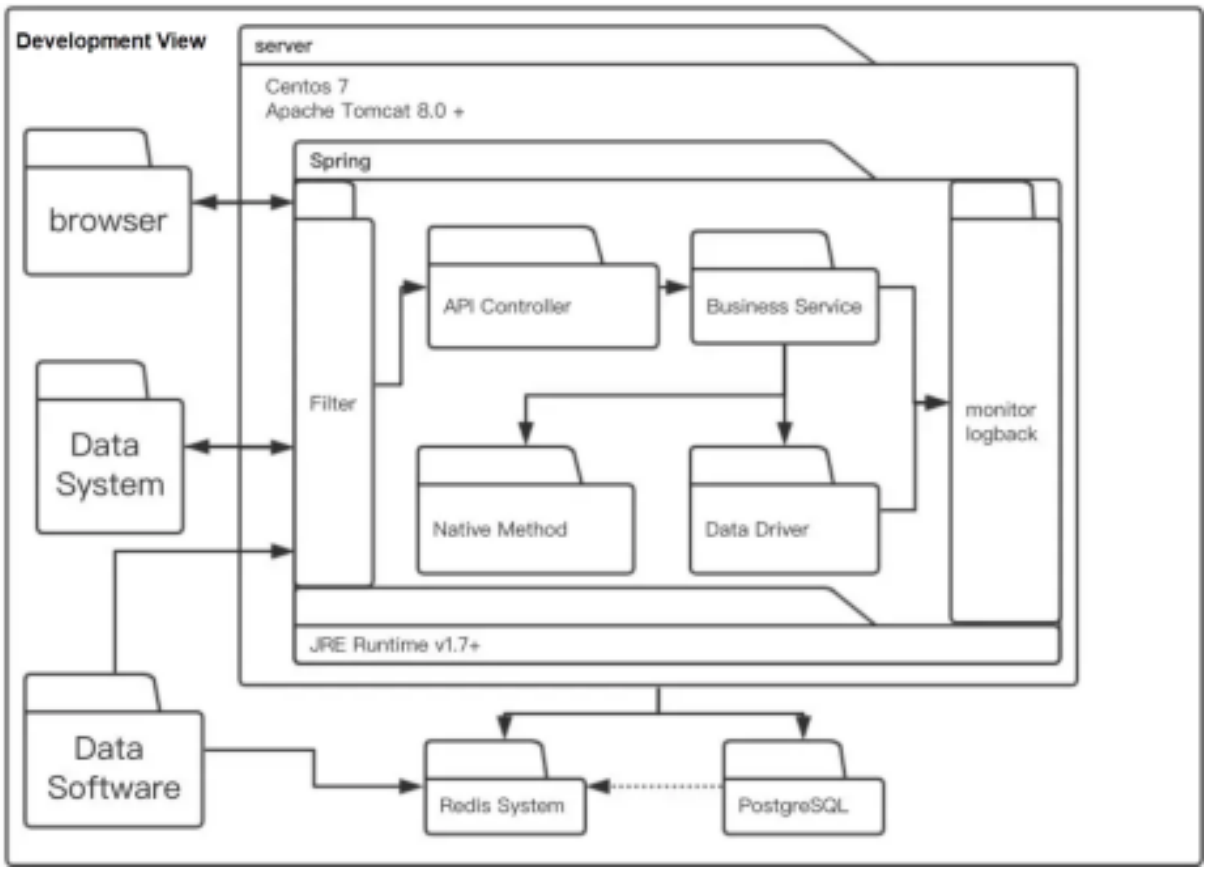
Processor	:	PentiumIV Or Higher
Memory Size	:	128GB(Minimum)
HDD	:	40GB(Minimum)

2.2 SOFTWARE SPECIFICATIONS

Operating System	:	WINDOWS7 AND PLUS
Front–End	:	HTML, CSS, JAVASCRIPT
Back– End	:	PHP, MYSQL

CHAPTER 3

ARCHITECTURE DIAGRAM



CHAPTER 4

MODULE DESCRIPTION

MODULES:

The Student Result Management system provides the modules like

Student

School

Admin

4.1 STUDENT MODULE:

The Student module within the Student Result Management System is designed to efficiently handle and organize student-related information. It encompasses a range of features aimed at streamlining the management of individual student records, academic history, and related administrative tasks.

4.2 SCHOOL MODULE:

The School module within the Student Result Management System serves as the backbone for managing the overall academic and administrative operations of the educational institution. It encompasses a suite of features aimed at efficiently organizing and overseeing school-wide information and processes.

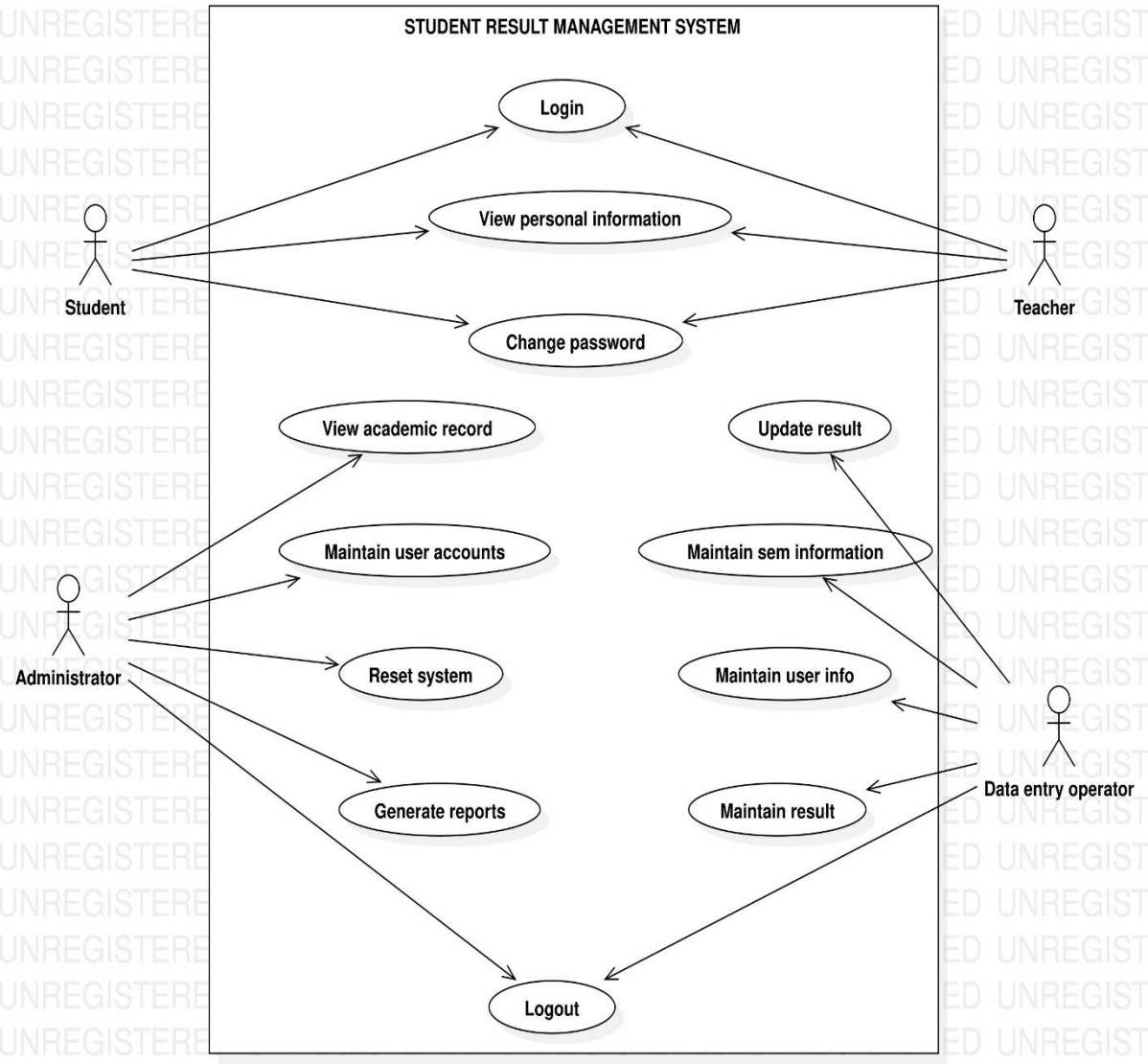
4.3 ADMIN MODULE:

The Admin module within the Student Result Management System is a critical component that empowers system administrators and authorized personnel to manage and control the entire system. It provides comprehensive tools and features to oversee and configure various aspects of the system's functionality.

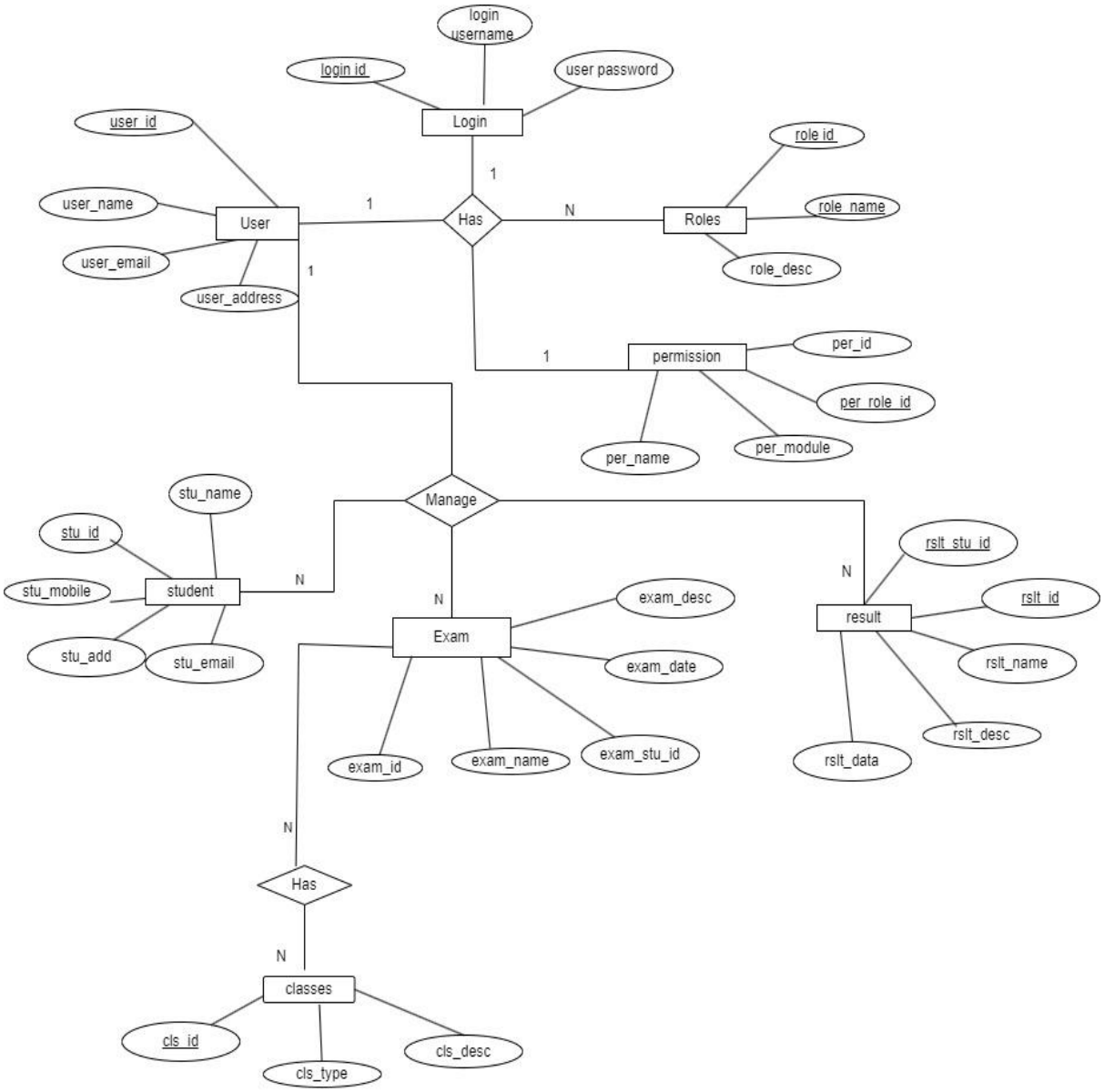
CHAPTER 5

SYSTEM DESIGN

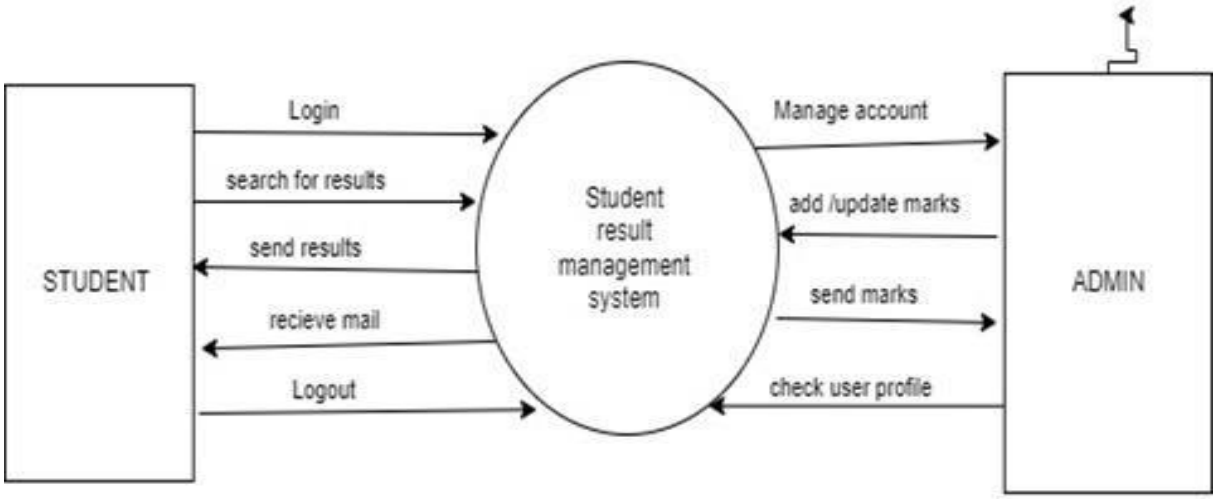
5.1 USE CASE DIAGRAM



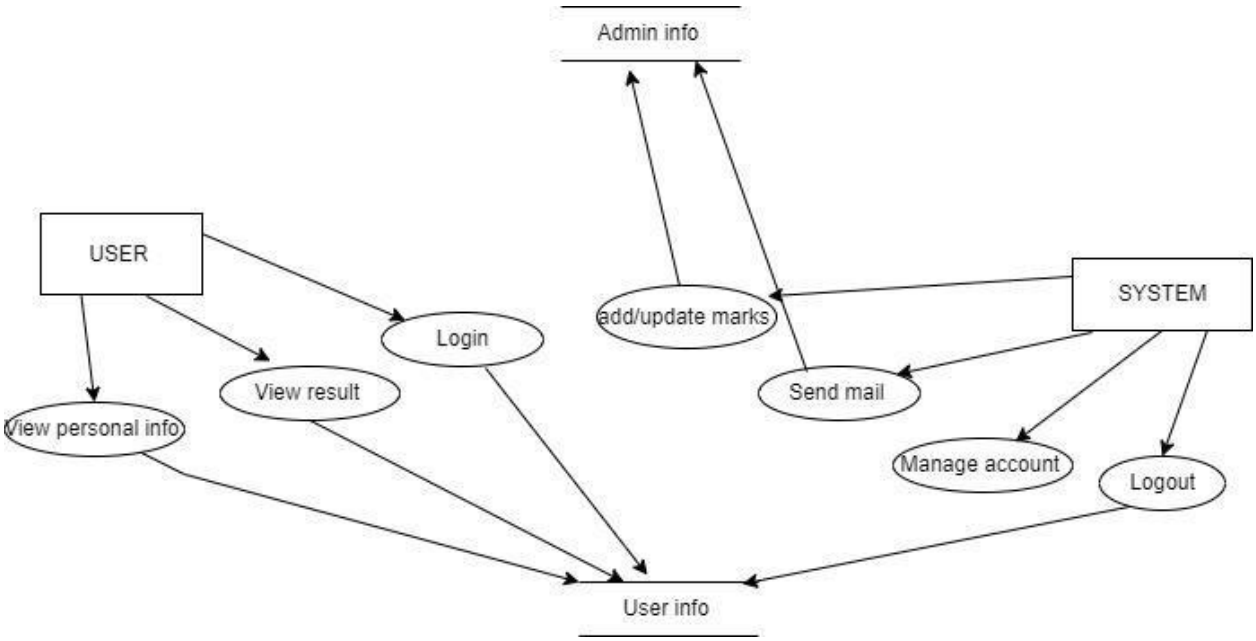
5.2 ER DIAGRAM



5.3 DFD DIAGRAM

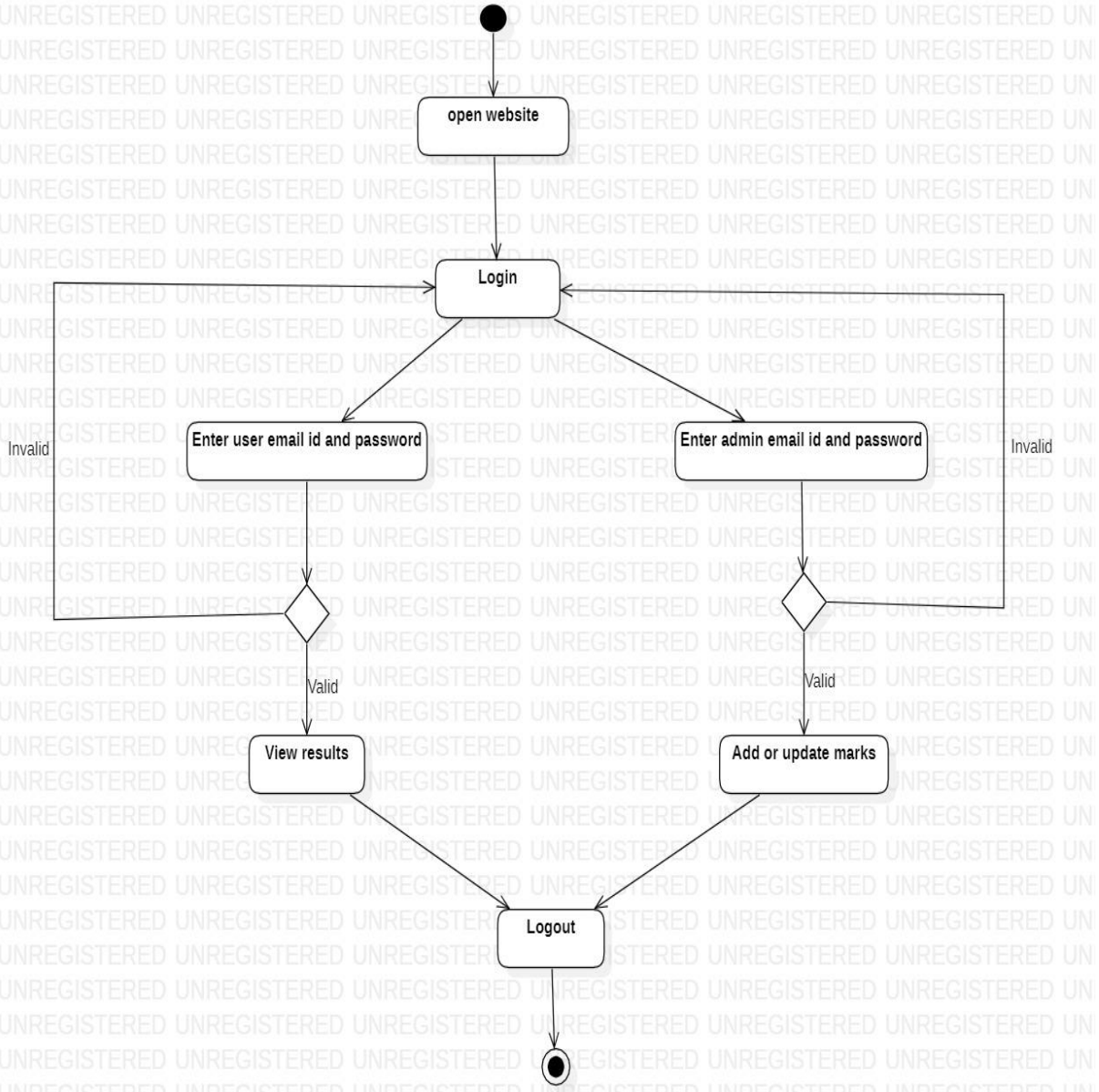


DFD Level-0 Diagram



DFD Level-1 Diagram

5.4 ACTIVITY DIAGRAM



CHAPTER 6

IMPLEMENTATION

HTML:

HTML is the standard markup language for Web pages. HTML elements tell the browser how to display the content. This project uses HTML5 elements such as HTML Images, Forms, Tables, Lists etc.

CSS:

CSS stands for Cascading Style Sheets. CSS describes how HTML elements are to be displayed on screen, paper, or in media. The CSS used in this project is CSS Grid, Flex, Layouts, Colors, Animations.

JAVASCRIPT:

JavaScript is a scripting or programming language that allows you to implement complex features on web pages. In this project, for the purpose of validation and for some animation effects, JavaScript is used.

PHP:

PHP is an acronym for "Hypertext Preprocessor". PHP is an open source scripting language. PHP code is executed on the server, and the result is returned to the browser as plain HTML. This project uses PHPMailer, a code library to send (transport) emails safely and easily via PHP code from a web server.

My SQL:

MySQL is a very popular open-source relational database management system (RDBMS). In this project the details of the users, houses and booking details are stored in separate tables in the database. Data is inserted, updated and retrieved from the table using SQL commands like INSERT, UPDATE and SELECT.

CHAPTER 6

SAMPLE CODING

Index.php

```
<?php

session_start();

if(isset($_SESSION['uid']))

{

        header('location:admin/admindash.php');

}

?>

<html>

<head>

    <title>Login  here</title>



   <link rel="stylesheet" href="csss/login.css" type="text/css">

    <link href="https://fonts.googleapis.com/css?family=Flamenco"
rel="stylesheet">

    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/animate.css/3.7.0/animate.mi
n.css">



</head>
```

```
<body>
   <header>
     <nav>
       <div class="row clearfix">
          <ul class="main-nav" animate slideInDown>
             <li><a href="index.php">HOME</a></li>
             <li><a href="admin/aboutus.php">ABOUT</a></li>
             <li><a href="admin/contactus.php">CONTACT</a></li>

          </ul>
       </div>
     </nav>
     <div class="login-content-header">
        <form action="login.php" method="post">
         <h1 class="login_heading">Admin Login</h1>
         <table class="form1">
          <tr>
<th>Username </th>
          <td class="table"><input type="text" name="username"
placeholder="Enter Username" class="field1"/></td>
          </tr>
```

```
        <tr >
         <th>Password </th>
        <td class="table"><input type="password" name="password"
placeholder="Enter Password" class="field1"/></td>
        </tr>
        <tr>
        <td align="center" colspan="2"><input type="submit"
name="submit" value="SUBMIT" class="submit"/></td>
        </tr>
       </table>
      </form>
    </div>
  </header>
</body>
</html>
<?php
if(isset($_POST['submit']))
{
  include('dbcon.php');
  $username=$_POST['username'];
  $password=$_POST['password'];
```

```
    $qry="SELECT * FROM `admin` WHERE `username`='$username'
AND `password`='$password'";

    $run=mysqli_query($con,$qry);

    $row=mysqli_num_rows($run);

    if($row<1)

    {

        ?>

        <script>

        alert('Username or Password Not Match');

        window.open('login.php','_self');

        </script>

       <?php

    }

    else

    {

        $data=mysqli_fetch_assoc($run);

        $id=$data['id'];

        $_SESSION['uid']=$id;

        header('location:admin/admindash.php');

    }

}
```

```
?>

Login.php

<?php

session_start();

if(isset($_SESSION['uid']))

{

        header('location:admin/admindash.php');

}

?>

<html>

<head>

   <title>Login  here</title>



   <link rel="stylesheet" href="csss/login.css" type="text/css">

   <link href="https://fonts.googleapis.com/css?family=Flamenco"
rel="stylesheet">

   <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/animate.css/3.7.0/animate.mi
n.css">



</head>

<body>
```

```
<header>
 <nav>
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     </ul>
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      <tr>
      <th>Username </th>
      <td class="table"><input type="text" name="username"
placeholder="Enter Username" class="field1"/></td>
      </tr>
      <tr >
```

```
        <th>Password </th>

        <td class="table"><input type="password" name="password"
placeholder="Enter Password" class="field1"/></td>

        </tr>

        <tr>

        <td align="center" colspan="2"><input type="submit"
name="submit" value="SUBMIT" class="submit"/></td>

        </tr>

       </table>

      </form>

    </div>

  </header>

</body>

</html>

<?php

if(isset($_POST['submit']))

{

  include('dbcon.php');

  $username=$_POST['username'];

  $password=$_POST['password'];

  $qry="SELECT * FROM `admin` WHERE `username`='$username'
AND `password`='$password'";
```

```
    $run=mysqli_query($con,$qry);
    $row=mysqli_num_rows($run);
    if($row<1)
    {
       ?>
       <script>
       alert('Username or Password Not Match');
       window.open('login.php','_self');
       </script>
      <?php
    }
    else
    {
       $data=mysqli_fetch_assoc($run);
       $id=$data['id'];
       $_SESSION['uid']=$id;
       header('location:admin/admindash.php');
    }
}
?>
```

CHAPTER 7

SCREENSHOTS

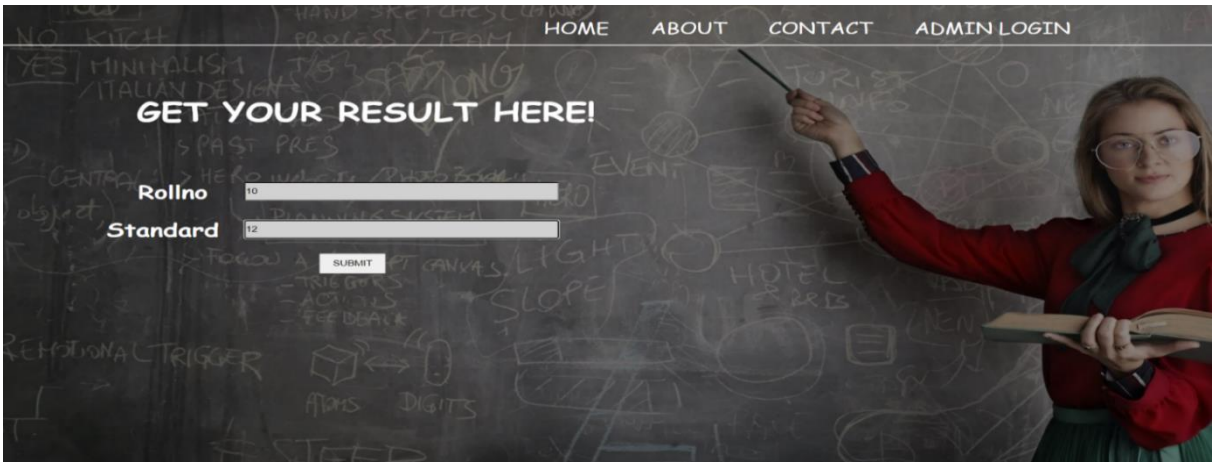

Fig 8.1 Home page

This is the home page where the student can view their result and admin can login.

Fig 8.2 About Page

This website help the users to know about the outline of the website

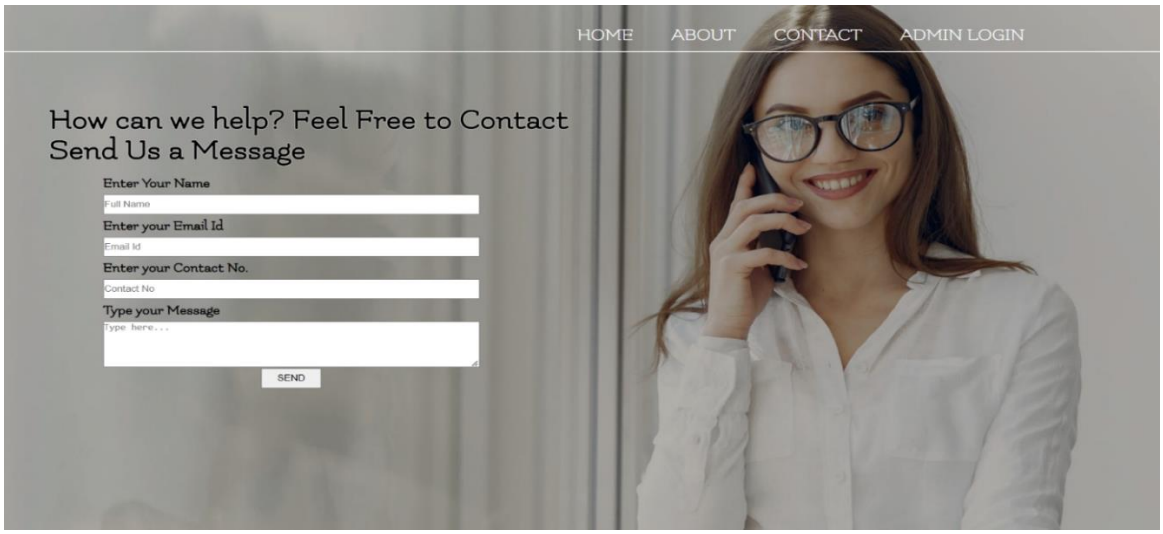

Fig 8.3 Contact Page

This page help the user to send any message to the admin

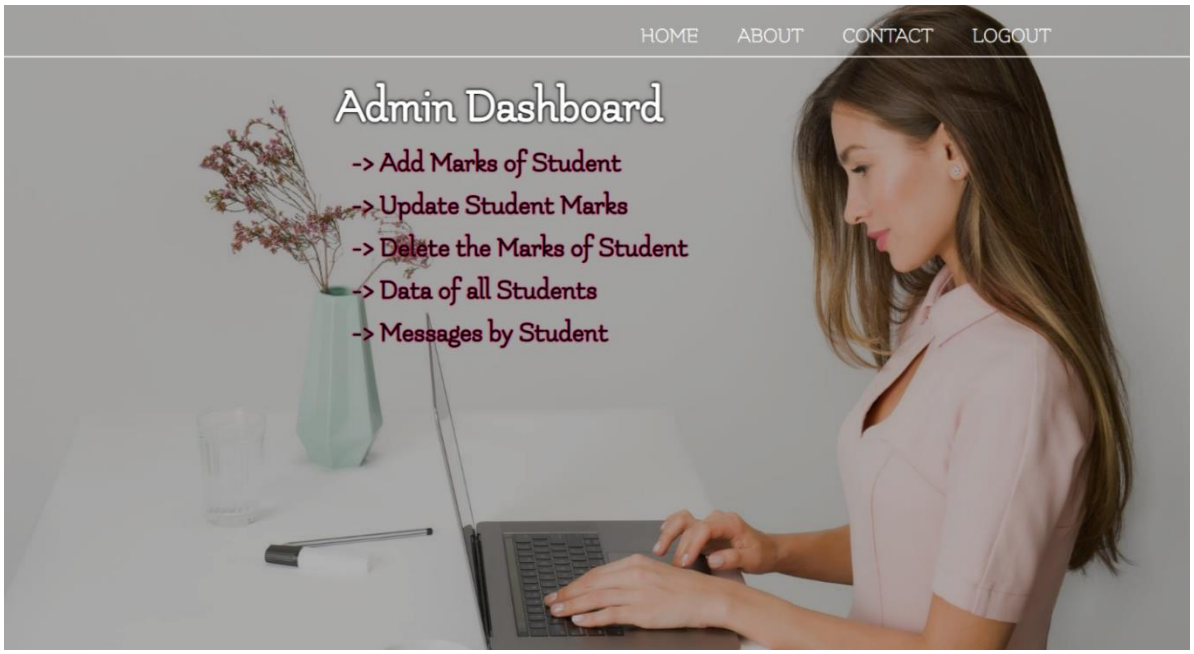

Fig 8.4 Admin Page

This page helps the admin to add marks, update marks , delete marks and also to view the data of students and message by students

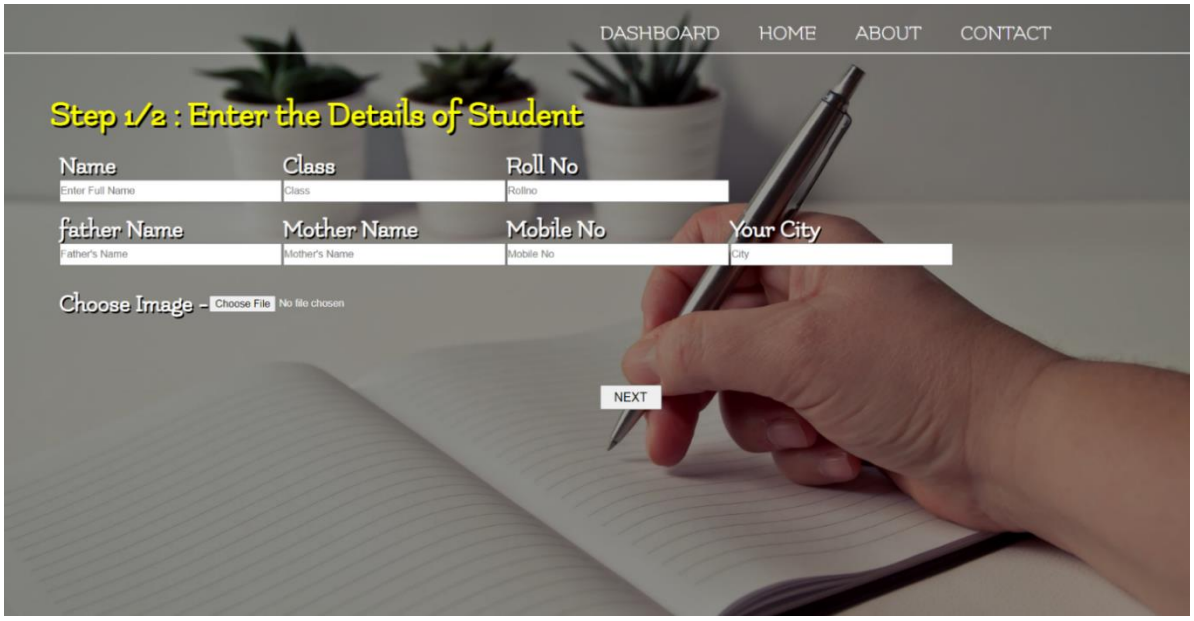

Fig 8.5 Add mark Page

This page helps the admin to enter the student details and enter their respective marks

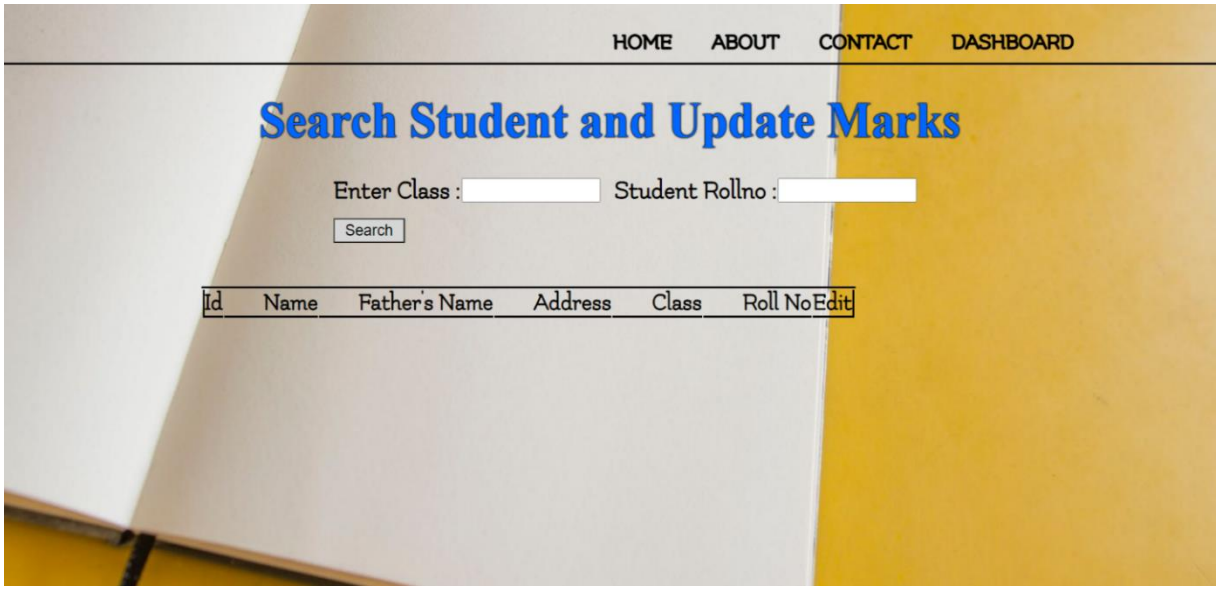

Fig 8.6 Update Page

This page helps the admin to update the student marks or details

Fig 8.7 Delete page

This page helps the admin to delete student marks

Fig 8.8 View Student details page

This page helps the admin to view the details of student

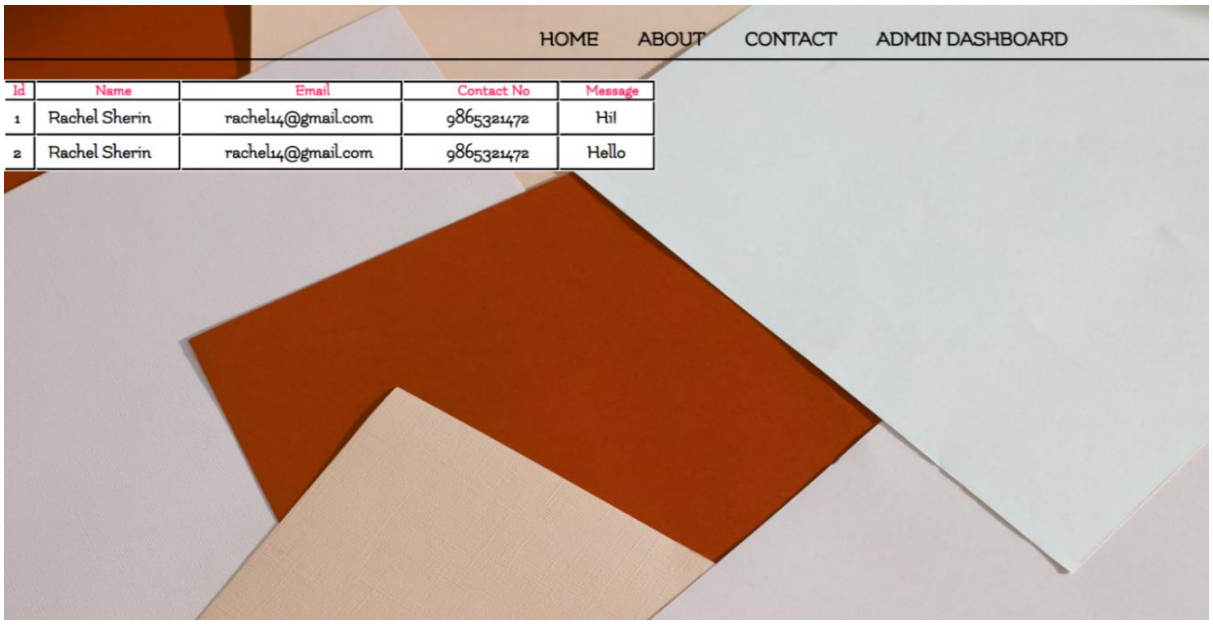

Fig 8.9 View Message Page

This page helps the admin to view the messages sent by students

CONCLUSION

The Student Result Management System (SRMS) represents a pivotal advancement in educational administration, effectively addressing the challenges associated with manual result processing. By automating the calculation and management of student results, the SRMS not only streamlines administrative workflows but also significantly reduces the likelihood of errors, ensuring the accuracy and reliability of academic records. The system's user-friendly interface facilitates seamless interaction for administrators, teachers, and students, promoting widespread adoption and usability. Moreover, the emphasis on transparency and security instills confidence in the fairness and integrity of the assessment process, contributing to a positive stakeholder experience. The SRMS, with its timely result publication, statistical analysis capabilities, and adaptability to institutional needs, emerges as a comprehensive solution poised to revolutionize the management of student academic data, ultimately fostering efficiency and enhancing the overall educational ecosystem.

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