



Project Report on

**ONLINE STUDENT ADMISSION
MANAGEMENT SYSTEM**

For the subject: Database Management System

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INTRODUCTION

Storing data, as we know, is imperative for the core functioning of any academic institution. More importantly, is having the provision to store it securely and retrieving it seamlessly.

Keeping this in mind, we have developed an Online Student Admission Database Management System, which aims to ease the process of maintaining the record of students in a University. The administrator, at the click of a button, will be able to add, delete, update and search for student's information. We have developed this project keeping in mind that manually maintaining the student database would be a tedious task, and good software can go a long way in making this an easy process. We have developed keeping in mind that the end-user can manage the data more efficiently and save more time compared to the old orthodox methods.

SYSTEM DESIGN

2a. TABLES:

➤ Admin Data Table

| ADMIN_DATA | | |
|------------|----------------|---------|
| PK | USER_MAIL_ID | varchar |
| | USER_NAME | varchar |
| | USER_PASSWORD | varchar |
| | CONTACT_NUMBER | varchar |

➤ Student Info Table

| STUDENT-INFO | | |
|--------------|-------------|---------|
| PK | SR_NO | int |
| | SUDENT_NAME | char |
| | DOB | varchar |
| | Gender | char |
| | BLOOD_GROUP | varchar |
| | CONTACT_NO | varchar |
| | EMAIL_ID | varchar |

➤ Academic Info Table

| ACADEMIC_INFO | | |
|---------------|-------------------|---------|
| FK | SR_NO | int |
| | MODE_OF_ADMISSION | varchar |
| | STUDENT_RANK | varchar |
| | SEMESTER | int |
| | BRANCH | char |

➤ **Branch Details Table**

| BRANCH_DETAILS | | |
|----------------|----------------|---------|
| FK | BRANCH | char |
| | HOD_NAME | varchar |
| | CONTACT_NUMBER | varchar |
| | EMAIL_ID | varchar |
| | DEPARTMENT | char |

➤ **Address Info Table**

| ADDRESS-INFO | | |
|--------------|----------|---------|
| PK | SR_NO | int |
| | DOOR_NO | int |
| | STREET | varchar |
| | CITY | varchar |
| | STATE | varchar |
| | PIN_CODE | int |

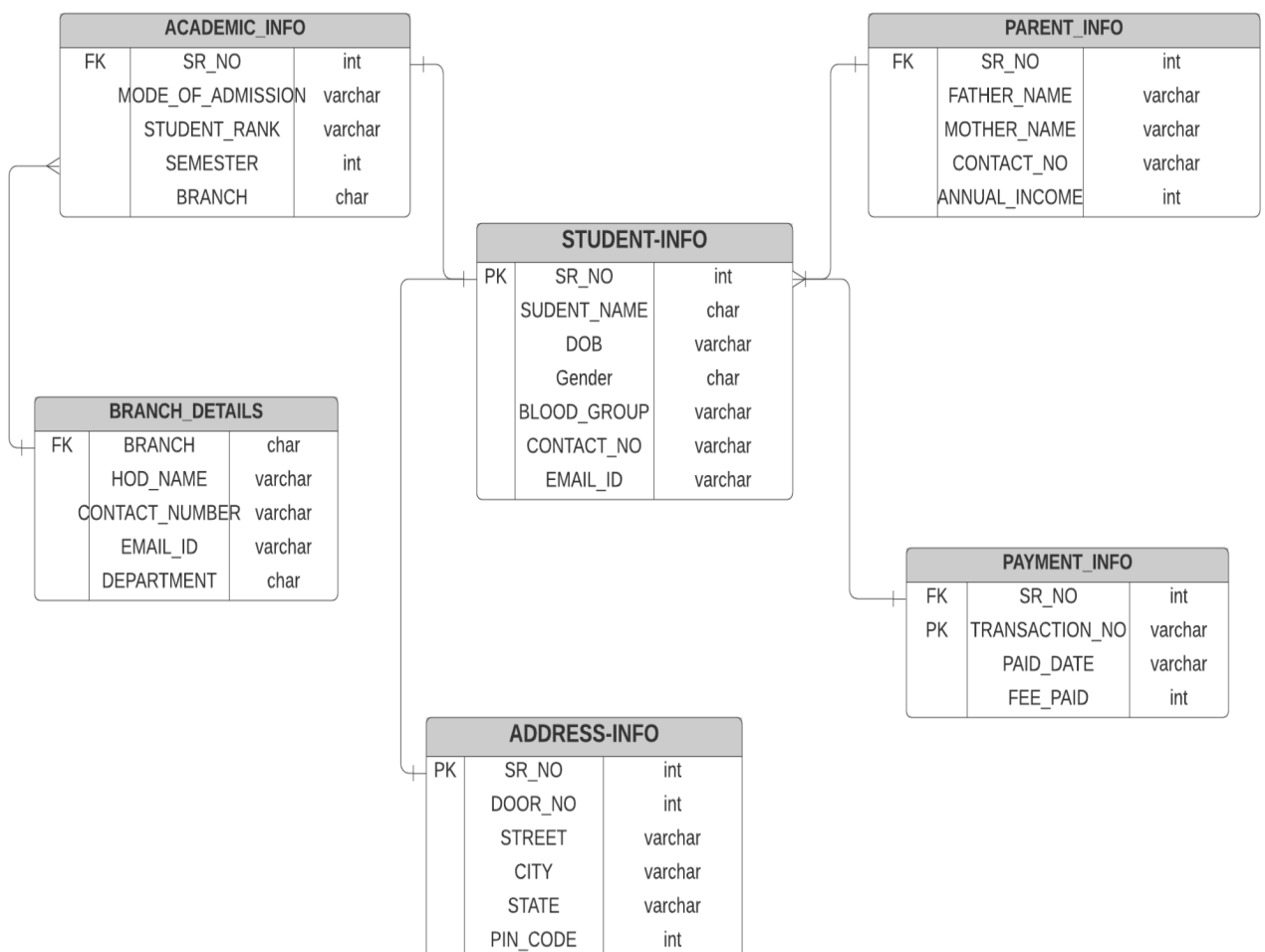
➤ **Parent Info Table**

| PARENT_INFO | | |
|-------------|---------------|---------|
| FK | SR_NO | int |
| | FATHER_NAME | varchar |
| | MOTHER_NAME | varchar |
| | CONTACT_NO | varchar |
| | ANNUAL_INCOME | int |

➤ Payment Info Table

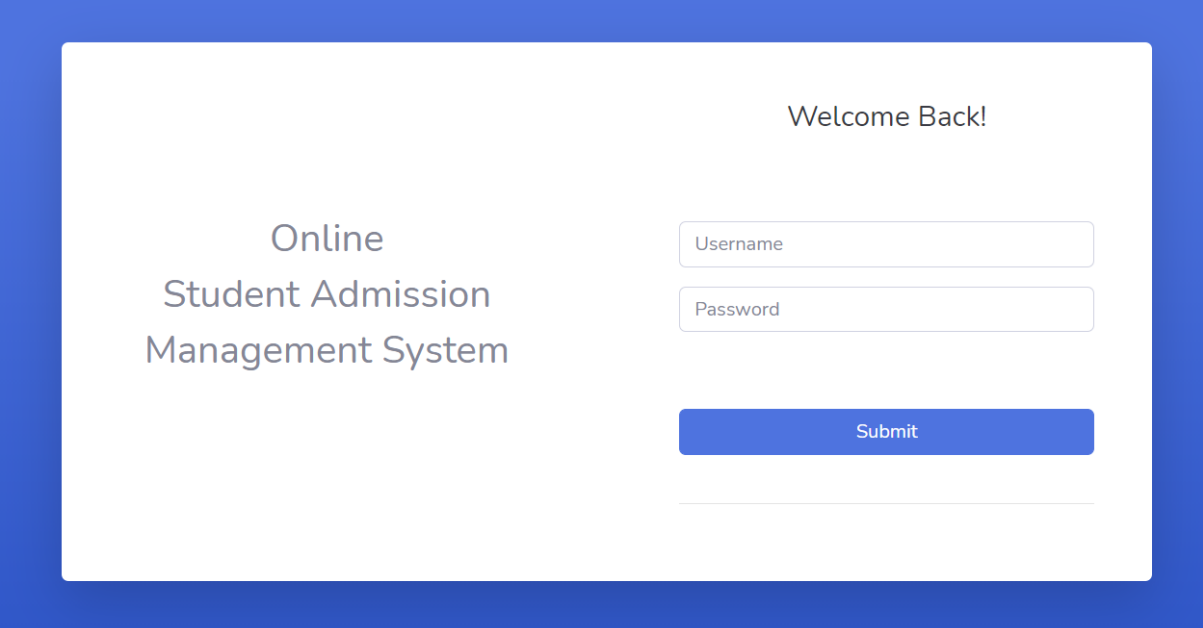
| PAYMENT_INFO | | |
|--------------|----------------|---------|
| FK | SR_NO | int |
| PK | TRANSACTION_NO | varchar |
| | PAID_DATE | varchar |
| | FEE_PAID | int |

2b. ER DIAGRAM



3. SYSTEM IMPLEMENTATION

➤ Screenshot of the credentials page.



The screenshot displays a login interface for the 'Online Student Admission Management System'. The page is enclosed in a blue border. On the left, the system name is centered. On the right, there is a 'Welcome Back!' message, followed by input fields for 'Username' and 'Password', a blue 'Submit' button, and a horizontal line at the bottom.

Online
Student Admission
Management System

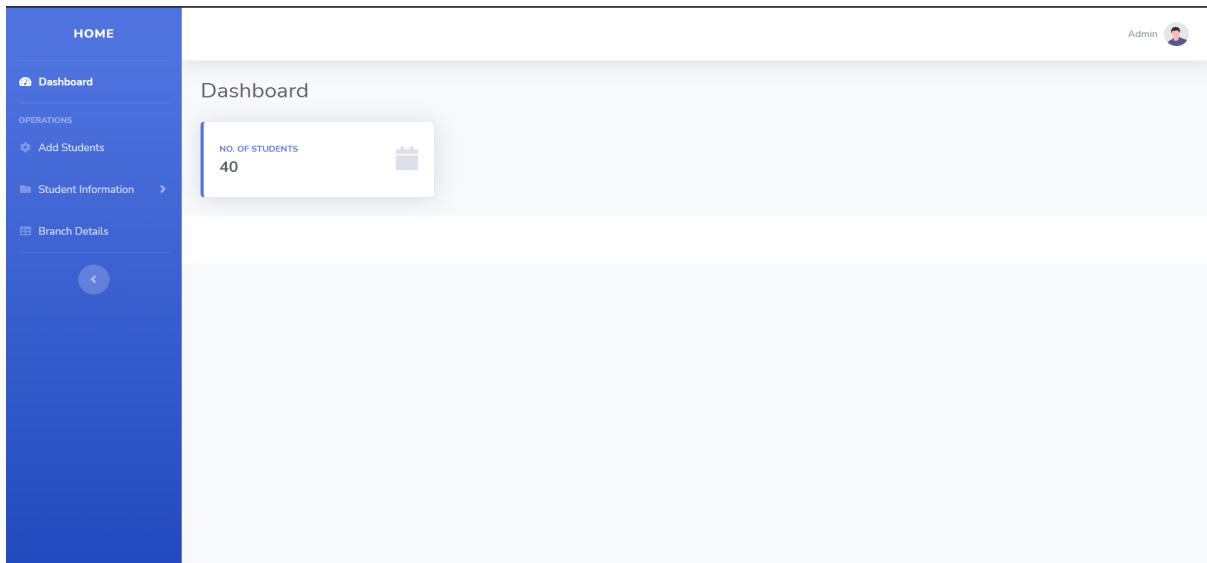
Welcome Back!

Username

Password

Submit

➤ Screenshot of home page.



➤ **Screenshot of Student details page.**

The screenshot shows the 'STUDENT DETAILS' page. The left sidebar is the same as the dashboard, but 'Student Information' is selected under 'OPERATIONS'. The main area has a light blue header with the title 'STUDENT DETAILS'. Below the header, there is a white card titled 'Student Table'. The card contains a table with 10 columns: Sr No, Student Name, Date of Birth, Gender, Contact Number, Category, Blood Group, Email ID, Edit, and Delete. The table has 6 rows of student data.

| Sr No | Student Name | Date of Birth | Gender | Contact Number | Category | Blood Group | Email ID | Edit | Delete |
|--------|----------------|---------------|--------|----------------|----------|-------------|-----------------------|------|--------|
| 192001 | Gowtam Kashyap | 10-01-2001 | M | 8463257901 | GM | A+ | gowtam10@gmail.com | | |
| 192002 | Hitesh | 22-10-2001 | M | 9423314785 | OBC-1G | A+ | hiteshhit22@gmail.com | | |
| 192003 | Aadhya | 01-04-2001 | F | 7563014897 | GM | A+ | aadhya.2001@gmail.com | | |
| 192004 | Nakul M | 15-07-2001 | M | 7758463308 | OBC-3AG | B+ | nakul123@gmail.com | | |
| 192005 | Advika | 20-12-2001 | F | 6364587901 | OBC-2AG | A- | advika2012@gmail.com | | |
| 192006 | Rohit | 30-08- | M | 9940357165 | GM | A+ | rohitk08@gmail.com | | |

➤ **Screenshot of branch detail page.**

HOME

Dashboard

OPERATIONS

Add Students

Student Information

Student Information
Academic Information
Payment Information
Parent Information
Address Information

Branch Details

Admin

BRANCH DETAILS

Branch Table

Show 10 entries
Search:

| Branch | Head of the Department | Contact Number | Email ID | Department |
|--------|--------------------------|----------------|--|---|
| BT | Dr. M.N. Nagendra Prasad | 080-25021 | biotechnology@sjce.ac.in | BIOTECHNOLOGY |
| CSBS | Dr. B S Mahanand | 080-25027 | csbs@sjce.ac.in | INFORMATION SCIENCE AND ENGINEERING |
| CSE | Dr.Pushpalatha M P | 080-25022 | computerscience@sjce.ac.in | COMPUTER SCIENCE AND ENGINEERING |
| CTM | Dr. G. N. Chandradhara | 080-5577434 | ctm@sjce.ac.in | CONSTRUCTION TECHNOLOGY AND MANAGEMENT |
| CV | Dr. K. Prakash | 080-25023 | civilengineering@sjce.ac.in | CIVIL ENGINEERING |
| ECE | Dr. N Shankaraiah | 080-25024 | electronicsandcommunication@sjce.ac.in | ELECTRONICS AND COMMUNICATION ENGINEERING |
| EEE | Dr. M S. Shashikala | 080-25025 | eletricalandelectronics@sjce.ac.in | ELECTRICAL AND ELECTRONICS ENGINEERING |
| IP | Dr. T.R.Srinivas | 080-25029 | industrialandproduction@sjce.ac.in | INDUSTRIAL AND PRODUCTION ENGINEERING |

➤ Screenshot of add student info page.

STUDENT INFORMATION

Sr No

Student Name

Date of Birth

Gender

Choose option

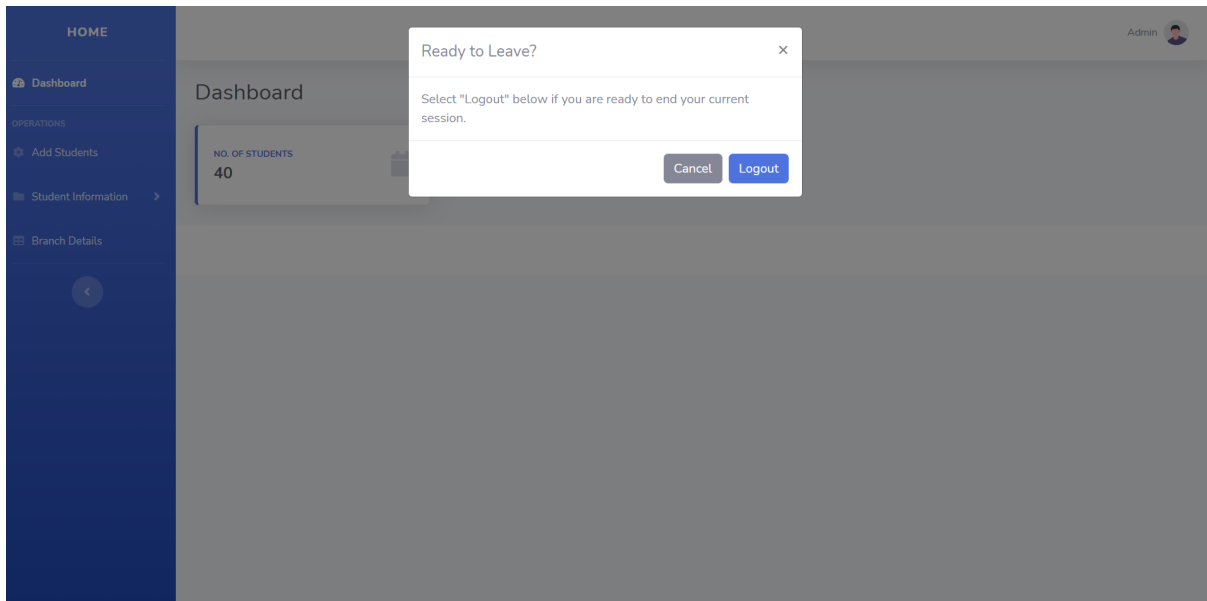
Blood Group

Choose option

Category

Phone

➤ Screenshot of logout page.



4.

a) Minimum system requirements:

- Intel Celeron/Pentium Core processor.
- 2GB Ram.
- 40MB Space on Hard Disk.

b) Software requirements

- Xampp(To run the interface locally using phpmyadmin).
- Up to date browser(To access the interface).

Accessing the project:

1. Run the XAMPP software first. Once XAMPP loads, start the 'APACHE' and the 'MySQL' server.
2. Goto 'localhost/phpmyadmin' and import the sql files that are provide along with the code as it contains the database related to the project.
3. Then open your preferred browser, and enter the 'localhost/location of the login page'. This will open up the login page of our website.

Here, enter the credentials:

ID: admin@gmail.com

Password: admin1234

4. After this, you should be forwarded to the home page. Here you can see the various functionalities that we offer. They are extremely intuitive and user-friendly.
5. Here, if you click on add student, it will load a form wherein you will first have to enter the personal details. Subsequently, you also have to enter parent details, financial details, academic details, etc. Once you fill in all the necessary forms, you have to click submit. This will successfully add the student to the database. To verify this, you can check the database that you had imported earlier.
6. We have the pages which are used to display the data which are stored in the database in different pages like student info, academic info, etc. If we want to find any particular record we can easily navigate to the type of detail we want to access and then we can just search for the student using the sr no of the student to receive accurate result for the search done, we can also use other attributes to search for the record but sr no provides most accurate results.
7. If you click on the edit icon, it will load a form where you can change any specific detail that you want to change.
8. If you click on the delete icon, it will delete the student entry completely from the database.
9. You can verify all the operations by cross checking the database which is created in phpMyAdmin.

CONCLUSION

This was a good learning opportunity for us, as this endowed us to apply our theoretical learning in class in a practical sense. We are sure that this project has great potential, and with more feature updates, this can act as mainstream software for our college. Also, this opportunity helped us venture into the domain of frontend, as we learned HTML, CSS, and JS. On a final note, we would again like to thank our professor, Dr. R J Pratibha for this opportunity.