

Project Title

College Admission Management System

Guided By:

Trainer Name:- Anuj Kumar

Created By:-

Student Name	AFid
Yash Gupta	

Batch Code:-

Course Code:-

➤ Introduction:

The College Admission Management System is a simple and efficient digital solution designed to make the admission process faster, easier, and more organized. Traditional

admission methods involve paper forms, manual entries, repeated verification, and difficulty in managing documents and fee details. These issues lead to errors, delays, and poor record-keeping.

To overcome these problems, this project uses **Java (Console Application)** for front-end logic and **MySQL** for secure data storage. The system stores student details using **six structured tables** that cover personal information, address, academic qualifications, course details, fees, and submitted documents. This makes the entire admission process smooth, error-free, and reliable.

➤ Objectives:

- To make the admission process fast and user-friendly
- To reduce manual paperwork
- To store student details in a structured database
- To maintain address, qualification, fees, and documents systematically
- To provide quick search and retrieval of student data
- To reduce chances of human error
- To provide a secure and centralized database system

➤ Project Category:

Application Development using Java & MySQL

➤ Problem in Existing System:

- ♣ Paper forms are difficult to manage
- ♣ Records cannot be searched quickly
- ♣ High chances of human errors
- ♣ Document verification is slow
- ♣ Fees tracking becomes confusing
- ♣ No proper backup of student data
- ♣ Difficult to maintain long-term records

➤ Proposed System:

The proposed computerized system solves all existing issues by:

- ◆ Storing each student's information in the database
- ◆ Avoiding duplicate entries
- ◆ Allowing fast student verification
- ◆ Keeping all documents and qualifications linked to a student
- ◆ Providing accurate fee details (total, paid, balance)
- ◆ Ensuring better security and long-term record management
- ◆ Making the admission process organized and efficient

➤ Modules Description:

1. Student Admission Module:-

Stores main details: name, father's name, DOB, gender, course, mobile.

2. Address Module:-

Stores student's residential details such as house number, street, city, state, and pincode.

3. Qualification Module:-

Stores student's 10th/12th examination details (board, year, percentage).

4. Fees Module:-

Stores total fee, paid amount, and remaining balance.

5. Documents Module:-

Stores Aadhaar number, 10th and 12th marksheet file names, and photo filename.

6. Course Module:-

Stores course name, duration, and fees offered by the institution.

➤ Database Design (6 Tables)

Table 1: admission:

Field

student_id

name

father_name

dob

Field

gender

course_id

mobile

Table 2: course:

Field

course_id

course_name

duration

fees

Table 3: qualification:

Field

q_id

student_id

exam_name

board

passing_year

Field
percentage

Table 4: fees:

Field
fee_id
student_
id
total_fee
s
paid
balance

Table 5: address:

Field
address_id
student_id
house_no
street
city
state
pincode

Table 6: documents:

Field
doc_id
student_id
aadhar_no

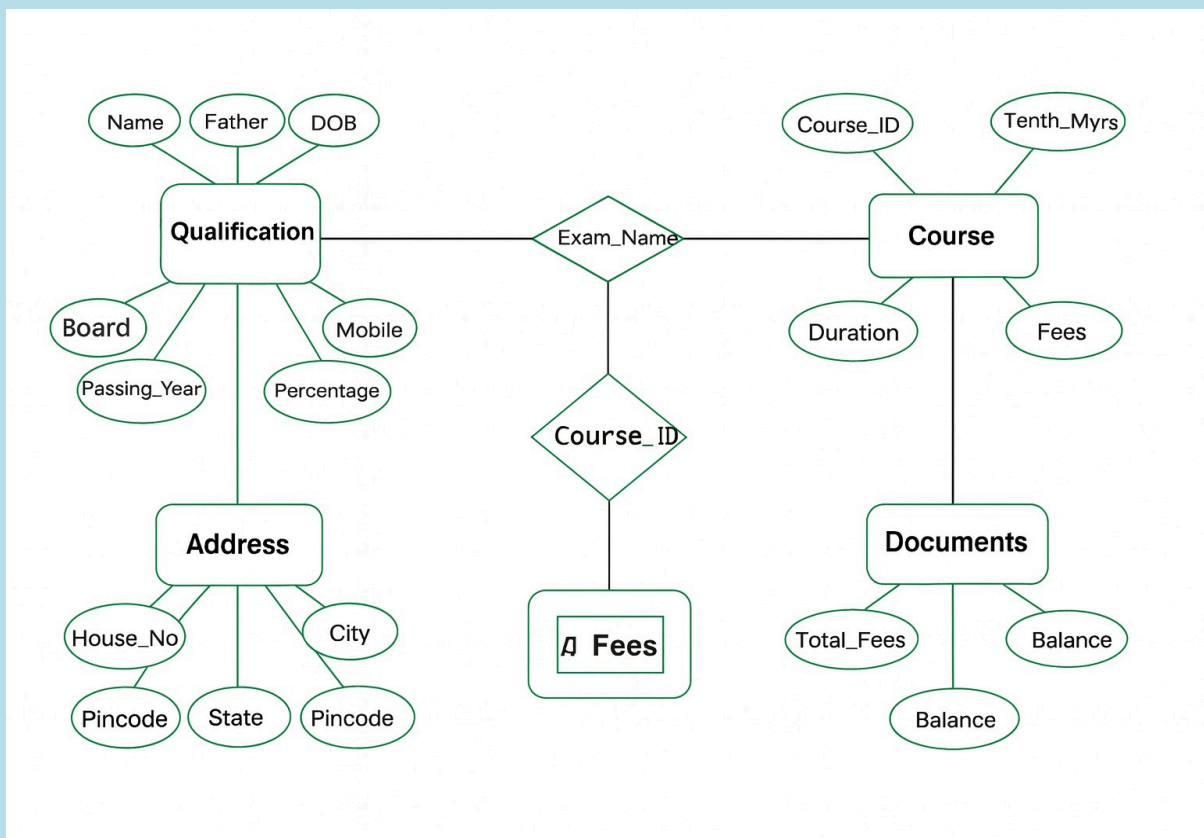
Field

tenth_marksheet

twelfth_marksheet

photo

➤ ER Diagram Overview:

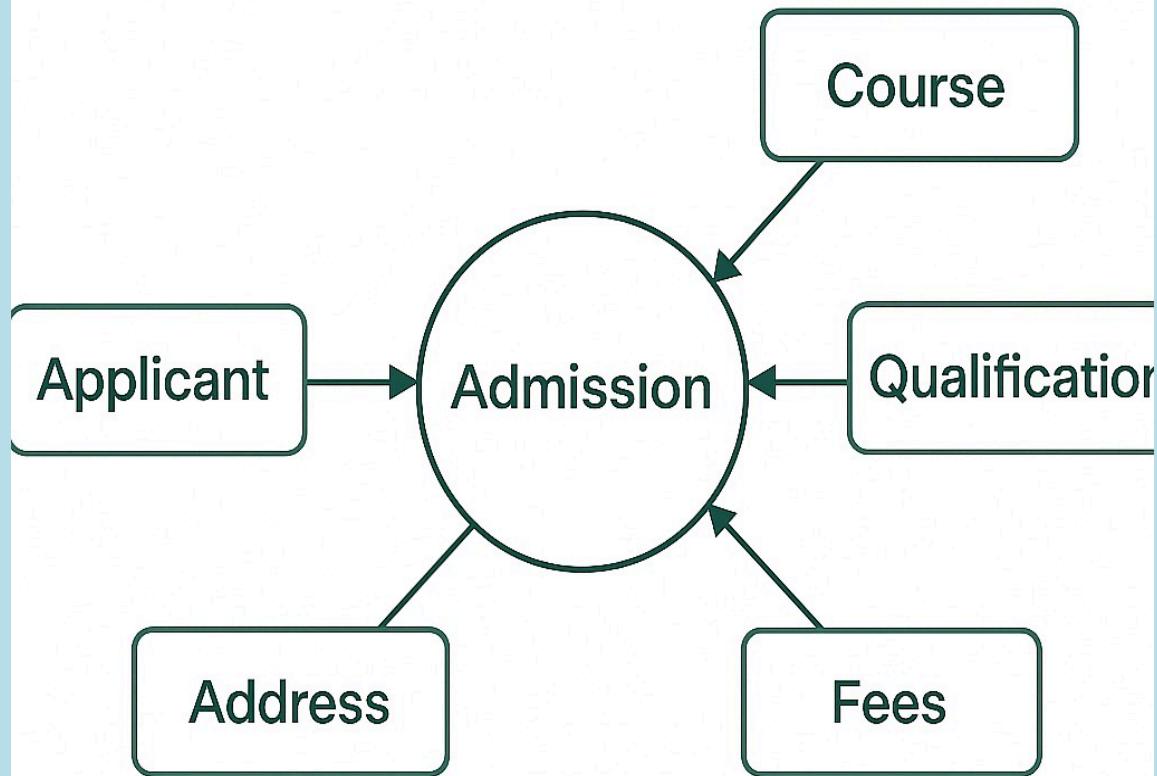


➤ Data Flow Diagram (DFD):

♣ DFD Level 0:

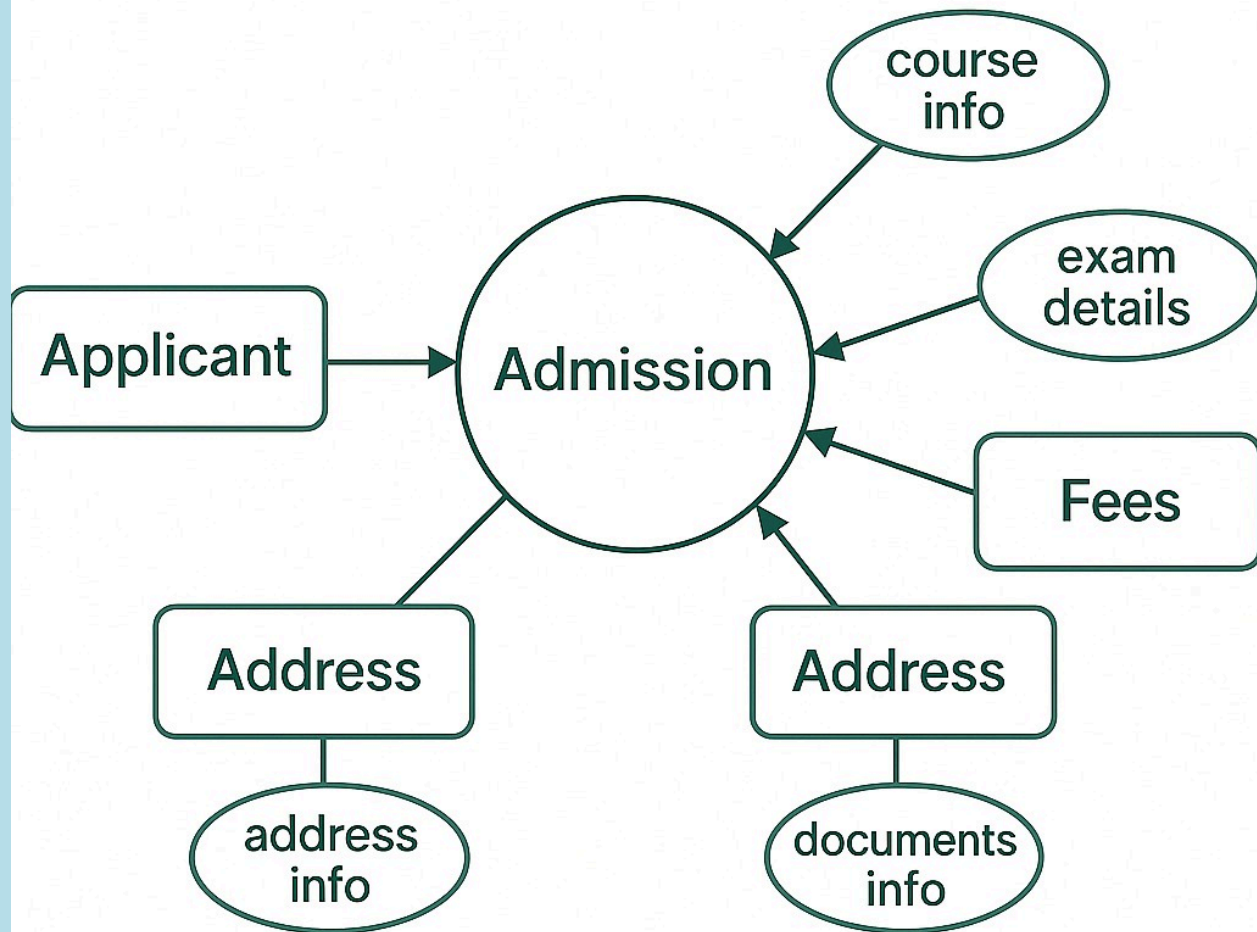
User → Admission System → Database

DFD Diagram: Level 0



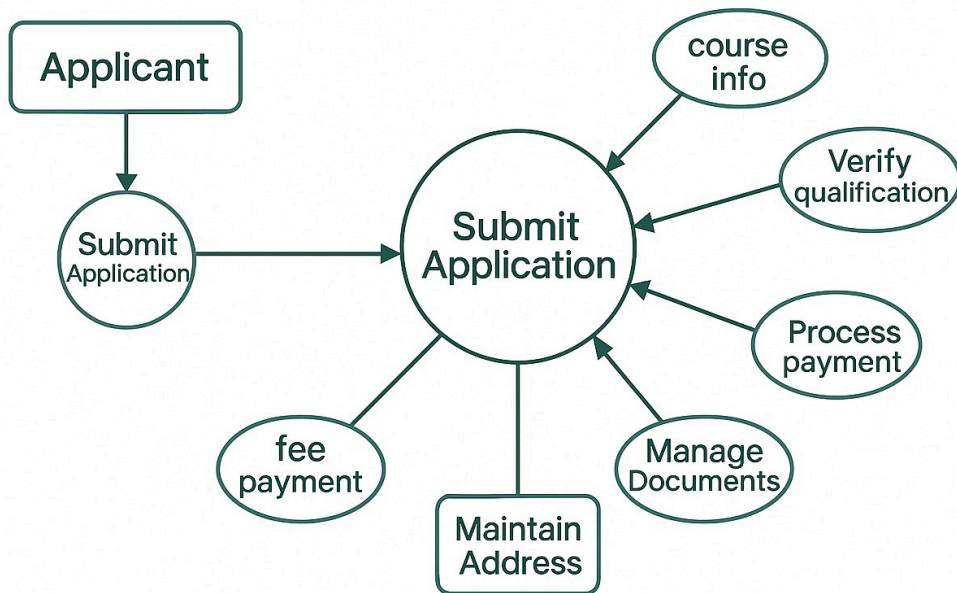
➤ **DFD Level 1:**

DFD Diagram: Level 1



DFD level 2:

DFD Diagram: Level 2



➤ Platform Used:

Hardware Requirements:

- ♣ Intel processor
- ♣ 4 GB RAM
- ♣ 200 MB free disk space

Software Requirements:

- Windows 10/11
- Java JDK (17 or above)
- Eclipse IDE

- MySQL Server & MySQL Workbench
- JDBC Connector JAR

➤ Future Scope:

- ♣ Add graphical user interface (GUI)
- ♣ Online admission portal
- ♣ Admin login and authentication
- ♣ Automatic report generation (PDF/Excel)
- ♣ Multi-course enrollment
- ♣ Biometric or digital document verification

➤ Bibliography:

- ♣ Java Documentation
- ♣ MySQL Developer Guide
- ♣ JDBC Tutorials