Bharati Vidyapeeth (Deemed to be University),
Centre for Distance and Online Education, Pune
School of Online Education

Project Report
On

"College Admission Enquiry System"

Submitted in Partial Fulfilment of the Requirements for the Award of Degree of

Bachelor of Computer Applications (Online Mode) 2025 – 2026

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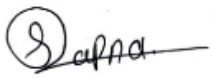
Declaration

The project report entitled **"College Admission Enquiry System"** Submitted to Bharati Vidyapeeth (Deemed to be University), Centre for Distance and Online Education, School of Online Education Pune in partial fulfilment of the requirement for the award of the degree of BCA (Online Mode) is an original work carried out under the guidance of **Ms. Mrunalini Deshpande**. The matter embodied in this project is a genuine work done by me to the best of my knowledge and belief and has not been submitted before, neither to this University nor to any other University for the fulfilment of the requirement of any course of study.



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Acknowledgement

Apart from my efforts, the success of my project depends largely on the encouragement and guideline of many others. I take this opportunity to express my gratitude to the people who have been instrumental in the successful completion of this project.

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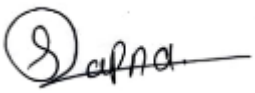

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INDEX

1. CHAPTER (Introduction)

1.1 Project Introduction

The ***College Admission Enquiry System*** is designed to simplify and modernize the process of handling admission-related queries in educational institutions. In traditional systems, students often face difficulties obtaining accurate information due to long queues, manual processes, and limited access to staff. This project aims to overcome these challenges by creating an efficient, user-friendly, and automated system that provides quick responses to admission enquiries.

This system enables prospective students to access essential details such as course availability, eligibility criteria, fee structure, admission procedures, important dates, and contact information—all in one place. By digitizing the enquiry process, the system reduces the workload on administrative staff, minimizes errors, and ensures that students receive consistent and timely information.

1.2 Need of Computerization of System

Computerization refers to the process of using computers and software to perform tasks that were traditionally done manually. In the context of a **College Admission Enquiry System**, computerization is essential for improving efficiency, accuracy, and service quality.

Reasons for Computerization

1. **Speed and Efficiency:**
   - Manual handling of student enquiries is time-consuming. Computerization allows instant storage, retrieval, and processing of data, significantly speeding up the admission enquiry process.
2. **Accuracy of Data:**
   - Manual systems are prone to errors like wrong data entry or lost enquiry forms. A computerized system ensures accurate data storage and retrieval, reducing human errors.
3. **Easy Access and Management of Information:**
   - Administrators can easily search, filter, and manage enquiries, student details, and course information without sifting through paper records.
4. **Improved Communication:**
   - Computerized systems can send instant notifications or responses to students, improving communication and reducing delays.
5. **Report Generation:**
   - Manual systems require significant effort to prepare reports. Computerization allows instant generation of reports, such as course-wise enquiries, daily/monthly summaries, and response tracking.
6. **Data Security and Backup:**
   - A computerized system can implement access controls, encryption, and backup mechanisms to secure sensitive student and administrative data.
7. **Scalability:**
   - As the number of students increases, manual systems become inefficient. Computerized systems can handle large volumes of data without performance degradation.
8. **Cost-Effective in the Long Run:**
   - Although initial setup may require investment, a computerized system reduces long-term costs associated with manual record-keeping, printing, and storage.
   -

In the current admission enquiry process, most colleges rely on manual methods to provide information to students. Prospective students must visit the campus or contact the administration office to gather details about courses, eligibility, fees, and admission procedures. This system often leads to several issues such as long waiting times, difficulty accessing accurate information, limited staff availability, and chances of miscommunication. Since enquiries are recorded manually, there may be data loss, duplication, or delays in responding to students. Overall, the existing system is time-consuming, inefficient, and unable to handle a large number of enquiries effectively.

1.3 Purpose Software (what would the software accomplish, objectives)

Purpose of the Software

The purpose of the **College Admission Enquiry System** is to streamline and automate the process of handling student admission enquiries in a college. The software is designed to replace the traditional manual system, which is time-consuming, error-prone, and difficult to manage as the number of enquiries increases.

What the Software Would Accomplish

1. **Automated Enquiry Management:**
   - Allows students to submit admission-related queries online.
   - Stores enquiries systematically in a database for easy access and tracking.
2. **Efficient Response Handling:**
   - Enables administrators to respond to student queries promptly.
   - Tracks the status of each enquiry (e.g., New, In Progress, Responded).
3. **Course Information Management:**
   - Maintains details about courses, eligibility criteria, and fees.
   - Allows easy updating of course-related information by administrators.
4. **Report Generation:**
   - Automatically generates reports such as course-wise enquiries, daily/monthly enquiry summaries, and response tracking.
   - Helps administrators make informed decisions and improve admission processes.
5. **Secure Data Storage:**
   - Stores student and enquiry data securely, preventing loss or unauthorized access.
6. **Improved Communication:**
   - Facilitates timely communication between students and college administration.

Objectives of the Software

1. To **reduce manual workload** for administrators by automating the enquiry and response process.
2. To **provide accurate and organized information** about student enquiries and course details.
3. To **ensure timely response** to student queries, improving student satisfaction.
4. To **generate reports** that help in analyzing trends and making strategic decisions regarding admissions.
5. To **securely store data** to prevent loss, duplication, or unauthorized access.
6. To **enhance accessibility**, allowing students and administrators to interact with the system anytime, anywhere.
7. To **support scalability**, accommodating a growing number of students and courses without affecting performance.

1.4 Importance of the Work

Importance of the Work

The **College Admission Enquiry System** plays a significant role in modernizing the admission process of educational institutions. The importance of this work can be highlighted as follows:

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1. Streamlining Admission Process

- The system automates the management of student enquiries, reducing manual effort and delays.
- It ensures that all queries are properly logged, tracked, and responded to, making the admission process more organized.

2. Reducing Errors and Improving Accuracy

- Manual systems are prone to mistakes, such as incorrect data entry, lost forms, or misplacement of records.
- Computerization ensures accurate storage, retrieval, and management of student and course data.

3. Saving Time and Effort

- Both students and administrators save significant time as enquiry submission and response are handled efficiently.
- Administrators can quickly access and manage large volumes of enquiries without paperwork.

4. Enhancing Communication

- Provides a direct channel for students to submit queries and for administrators to respond promptly.
- Reduces misunderstandings or delays in information sharing.

5. Better Decision Making

- Reports generated by the system help administrators analyze enquiry trends, popular courses, and response efficiency.
- Facilitates informed decision-making regarding admissions, course management, and resource allocation.

6. Data Security and Backup

- Ensures that sensitive student and administrative data is securely stored and protected from unauthorized access.
- Backup mechanisms prevent data loss, which is common in manual systems.

7. Scalability and Future Expansion

- The system can handle increasing numbers of students and enquiries as the institution grows.
- Provides a foundation for future enhancements, such as integration with payment systems, mobile apps, or AI Chabot.

2. CHAPTER (Analysis)

2.1 Feasibility Study of the project

Feasibility Study of the project

A feasibility study evaluates whether the proposed system is practical, cost-effective, and beneficial for the institution. The **College Admission Enquiry System** is analyzed under three main types of feasibility

1. Technical Feasibility

This assesses whether the required technology, software, and hardware are available to implement the system.

- The system can be developed using standard web or desktop technologies such as HTML, CSS, PHP, Python, Java, or C#.
- Databases like MySQL, Oracle, or SQLite can be used to store student enquiries and records.
- Most colleges already have basic computer infrastructure, making technical implementation possible.

2. Economic Feasibility

This evaluates the cost-effectiveness of the system and the return on investment.

- The cost of developing the system is moderate and can be justified by the benefits, such as reduced manual work, faster processing of enquiries, and improved student satisfaction.
- It saves administrative labour costs and reduces the need for extra staff to handle queries manually.

3. Operational Feasibility

This measures how well the system will work within the existing organizational structure.

- The system is user-friendly, so students and staff can use it with minimal training.
- It improves efficiency and reduces errors in the admission enquiry process.
- It is compatible with the college's workflow and can be easily integrated with existing procedures.

4. Schedule Feasibility

This considers whether the system can be developed and implemented within a reasonable timeframe.

- Given the moderate scope of the project, it can be completed within the academic timeline for development, testing, and deployment.

2.2 Requirement Analysis (problem statement functional and non –functional)

Problem Statement

Most colleges handle admission-related enquiries manually through phone calls, physical visits, or paper-based systems. This method is inefficient, time-consuming, and prone to errors. Students often struggle to get accurate and timely information regarding courses, eligibility, fees, and admission procedures.

Administrators also face difficulties in managing large volumes of queries, tracking responses, and maintaining records.

The lack of a centralized, automated system leads to:

- Delayed responses to student enquiries
- Difficulty in maintaining enquiry records
- Loss or misplacement of enquiry information
- Poor communication between students and administration
- Inability to generate useful reports for decision-making

Therefore, there is a need for a **computerized College Admission Enquiry System** that automates enquiry submission, management, and response, ensuring speed, accuracy, and accessibility.

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2. Functional Requirements

Functional requirements define **what the system should do**.
The system must include the following functionalities:

2.1 Student Module

1. **Student Registration:** Students should be able to register with basic details.
2. **Student Login:** Students should authenticate using their email/username and password.
3. **Submit Enquiry:** Students can submit admission-related questions.
4. **View Response:** Students should be able to see admin responses to their enquiries.
5. **View Course Details:** Students can access information on available courses, eligibility, and fees.

2.2 Administrator Module

6. **Admin Login:** Admin must log in securely.
7. **Manage Enquiries:** Admin can view all enquiries submitted by students.
8. **Provide Response:** Admin can respond to each enquiry and update the status.
9. **Manage Courses:** Admin can add, edit, or delete course information.
10. **Generate Reports:** Admin can generate enquiry reports by date, course, or status.

2.3 System Functions

11. **Store Enquiries in Database:** All enquiries and responses should be saved automatically.
12. **Update Enquiry Status:** System updates enquiry status (New / Responded / Pending).
13. **Search and Filter:** Admin can search enquiries based on student name, date, or course.

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3. Non-Functional Requirements

Non-functional requirements describe **how the system should perform**.

3.1 Performance Requirements

- The system should respond within few seconds for page loads or database searches.

- It should handle multiple simultaneous enquiries.

3.2 Security Requirements

- Only authorized administrators should access the admin panel.
- Student passwords should be encrypted.
- Sensitive data (student details, admin credentials) must be protected.

3.3 Usability Requirements

- The interface should be simple, clean, and easy to navigate.
- Users should not require technical skills to use the system.

3.4 Reliability Requirements

- System should operate without crashes and ensure accurate data processing.
- Data should not be lost due to power or system failures.

3.5 Scalability Requirements

The system should support increasing numbers of students, enquiries, and courses without performance issues.

2.3 Software used and Hardware used (describe hardware and software required for the project)

1. Hardware Requirements

1.1 Minimum Hardware for Development (Developer Machine)

- **Processor:** Intel Core i3 or higher
- **RAM:** 4 GB or more
- **Hard Disk:** Minimum 250 GB
- **Monitor:** 15" LED/LCD display
- **Keyboard & Mouse:** Standard input devices
- **Network Adapter:** For internet access
- **UPS:** Optional, to protect against power failures

1.2 Hardware for Deployment (Server Machine)

(If deployed on a local server)

- **Processor:** Intel Core i5 / Xeon
- **RAM:** 8 GB or more
- **Storage:** Minimum 500 GB (SSD preferred for faster performance)
- **Network Support:** High-speed LAN/WiFi capability
- **Backup Storage:** External hard disk for database backup

1.3 Client-Side Hardware (Students & Admin)

- **Device:** Desktop / Laptop / Smartphone
- **RAM:** Minimum 2 GB
- **Browser Support:** Chrome, Firefox, Edge
- **Internet Connectivity**

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2. Software Requirements

2.1 Operating System

- Windows 10 / 11 (recommended)
- Linux (Ubuntu)
- macOS (optional)

2.2 Development Software

Depending on the technology chosen for the project, the following may be used:

For Web-Based Development

- **XAMPP / WAMP / LAMP** – for Apache Web Server, MySQL Database, PHP
- **Visual Studio Code / Sublime / Notepad++** – for writing code
- **PHP 7+ / Python / Java / C#** – backend programming language
- **HTML, CSS, JavaScript** – frontend UI development

Database Software

- **MySQL** (recommended)
- Oracle / SQL Server / PostgreSQL (optional alternatives)

Browser Software

- Google Chrome
- Mozilla Firefox
- Microsoft Edge

2.3 Utility Software

- **MS Word / Google Docs** – for project documentation
- **MS Excel** – for exporting reports (optional)
- **PDF Reader** – for viewing generated PDF reports

2.4 Server Software (if hosted online)

- Web Hosting Panel (cPanel or equivalent)
- PHP & MySQL support

3. Summary

Category	Requirements
Hardware	PC/Laptop, 4–8 GB RAM, 250 GB HDD/SSD, Internet
Development Software	VS Code, XAMPP/WAMP, PHP/Python/Java
Database	MySQL
Server (optional)	Apache Server, Hosting Panel
Client Requirements	Browser, Internet

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3. CHAPTER (System Design)

3.1 Design Methodology

Design methodology refers to the approach used to design the system. For the **College Admission Enquiry System**, the following methodology is used:

- **Structured System Analysis and Design (SSAD):**
  The system is designed using structured techniques, which include analyzing requirements, creating data flow diagrams (DFDs), entity-relationship diagrams (ERDs), and designing forms, reports, and screens.
- **Object-Oriented Methodology (Optional for UML):**
  Uses objects, classes, and relationships to model the system. UML diagrams like Use Case, Class, Sequence, Activity, and State Diagrams are used to visualize the system.

Steps in Design Methodology:

1. Requirement Analysis
2. System Architecture Design
3. Database Design
4. User Interface / Screen Design
5. Report Design
6. Testing and Implementation

3.2 Database Design

Purpose:
The database stores all the data related to students, courses, enquiries, and responses securely and efficiently.

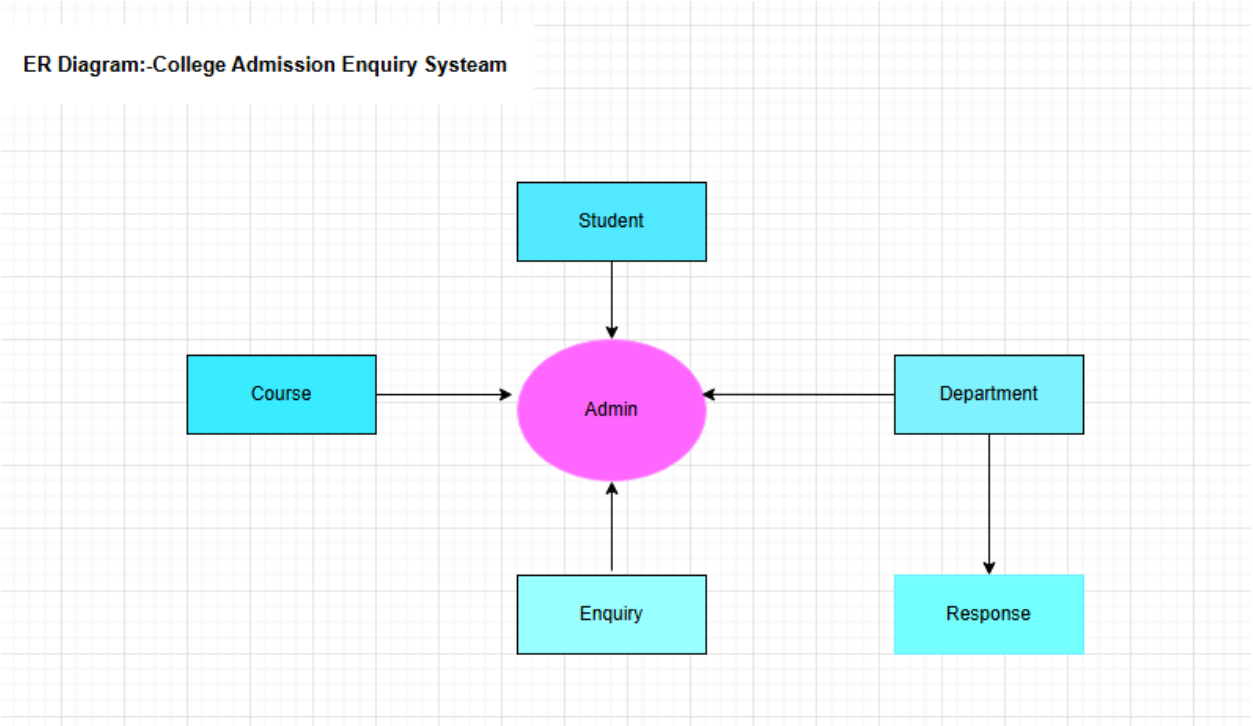
Key Tables:

1. **Student Table**
   - Attributes: studentID (PK), name, email, phone, course Interested
2. **Administrator Table**
   - Attributes: adminID (PK), name, email, username, password
3. **Enquiry Table**
   - Attributes: enquiryID (PK), studentID (FK), enquiryText, status, response, enquiryDate
4. **Course Table**
   - Attributes: courseID (PK), courseName, eligibility, fee

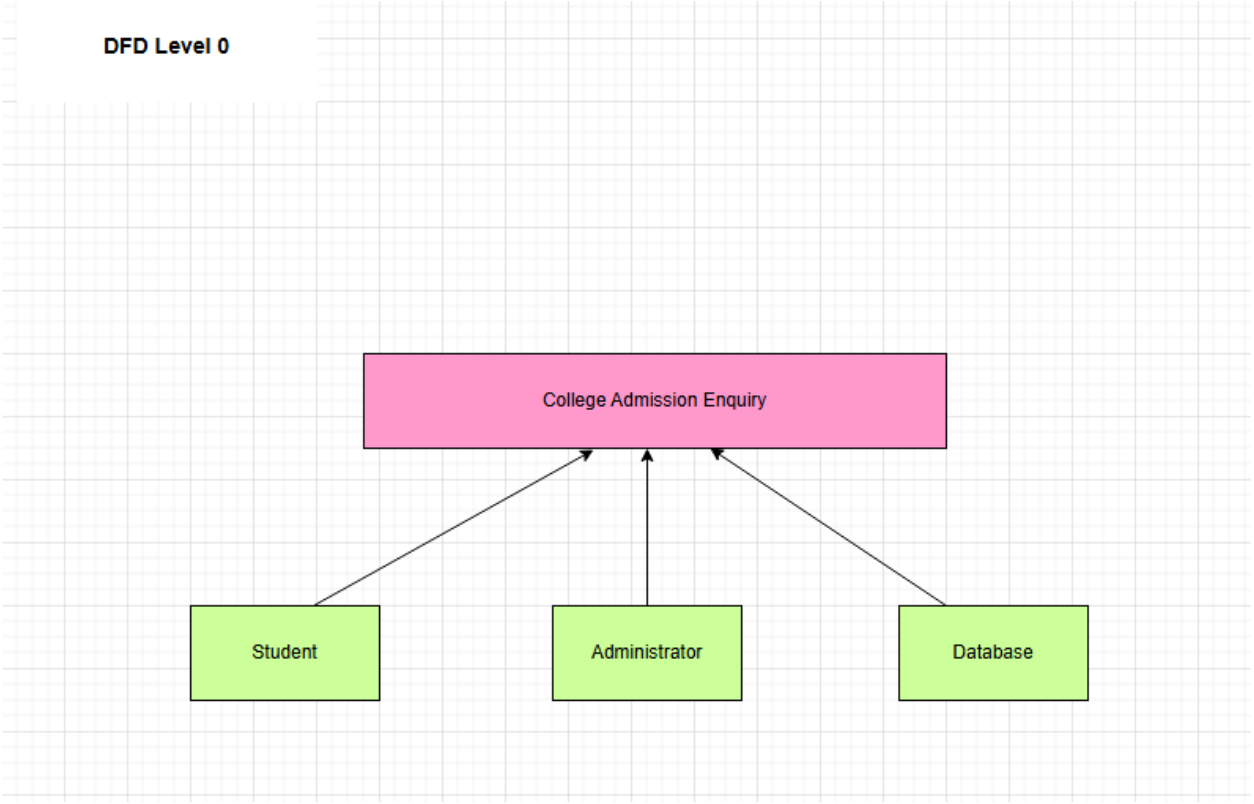
Relationships:

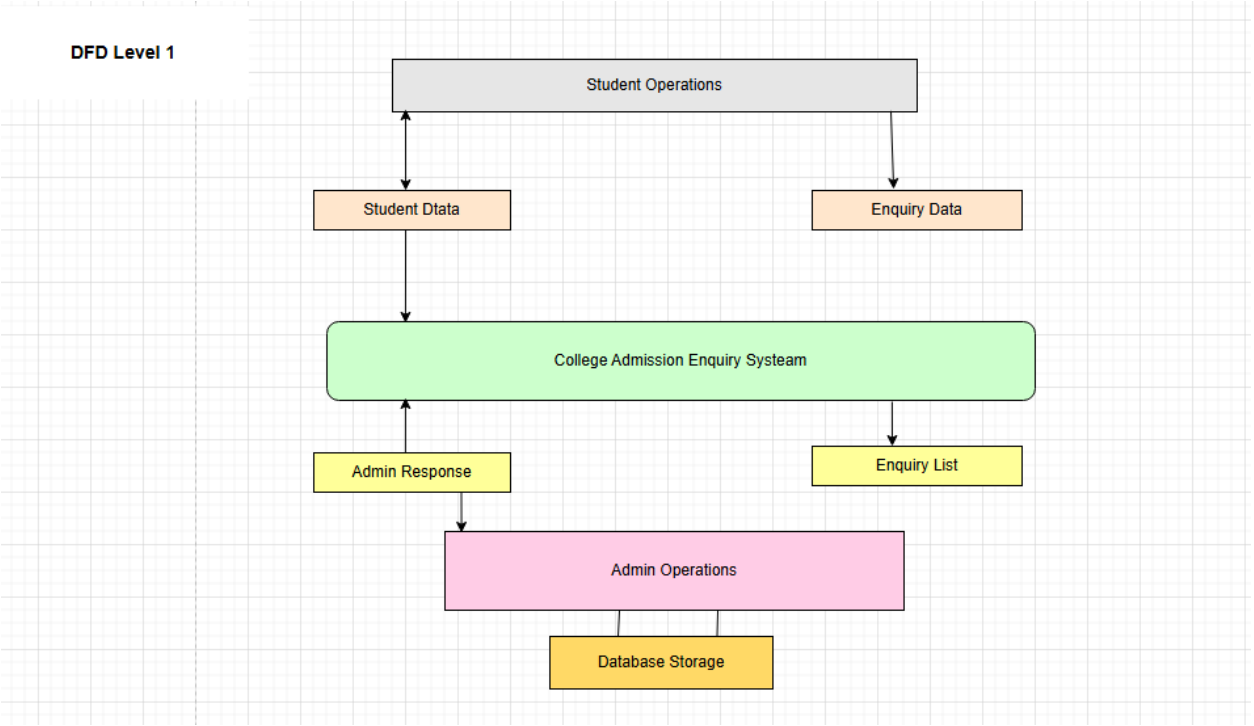
- One student can submit multiple enquiries → One-to-Many relationship between Student and Enquiry
- One administrator can respond to multiple enquiries → One-to-Many relationship between Administrator and Enquiry

ER Diagram:



DFD:-


DFD Level 0
College Admission Enquiry
Student
Administrator
Database


DFD Level 1
Student Operations
Student Dtata
Enquiry Data
College Admission Enquiry Systeam
Admin Response
Enquiry List
Admin Operations
Database Storage

3.3 Screen Design

Purpose:
Screen design focuses on creating a user-friendly interface for students and administrators. Screens are designed for simplicity, clarity, and easy navigation.

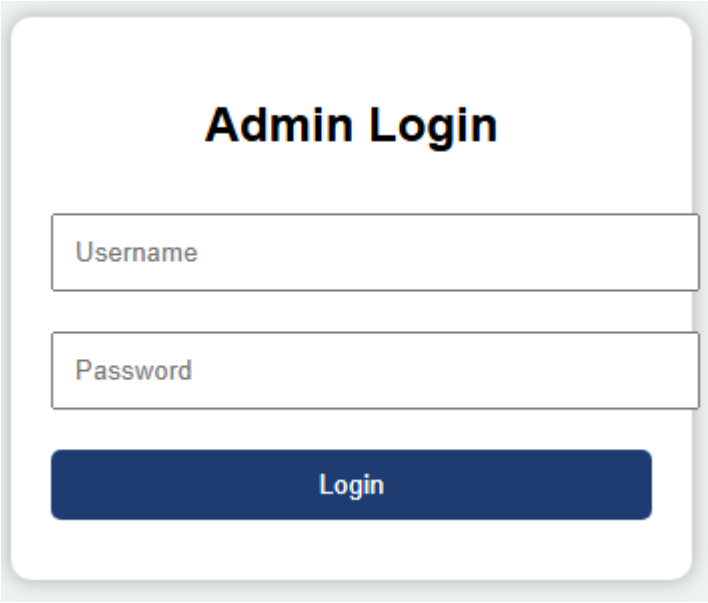
Main Screens:

1. **Student Login / Registration Screen** – Allows students to log in or register.
2. **Student Enquiry Form Screen** – Students submit their admission enquiries.
3. **Administrator Login Screen** – Admins log in securely.
4. **Enquiry Response Screen** – Admin responds to student enquiries.
5. **Course Management Screen** – Admin can add, update, or delete courses.
6. **Report Generation Screen** – Admin can generate reports based on enquiries.

Design Principles:

- Consistent layout and colours
- Clear labels and input validation

1. Login Screen



Features:

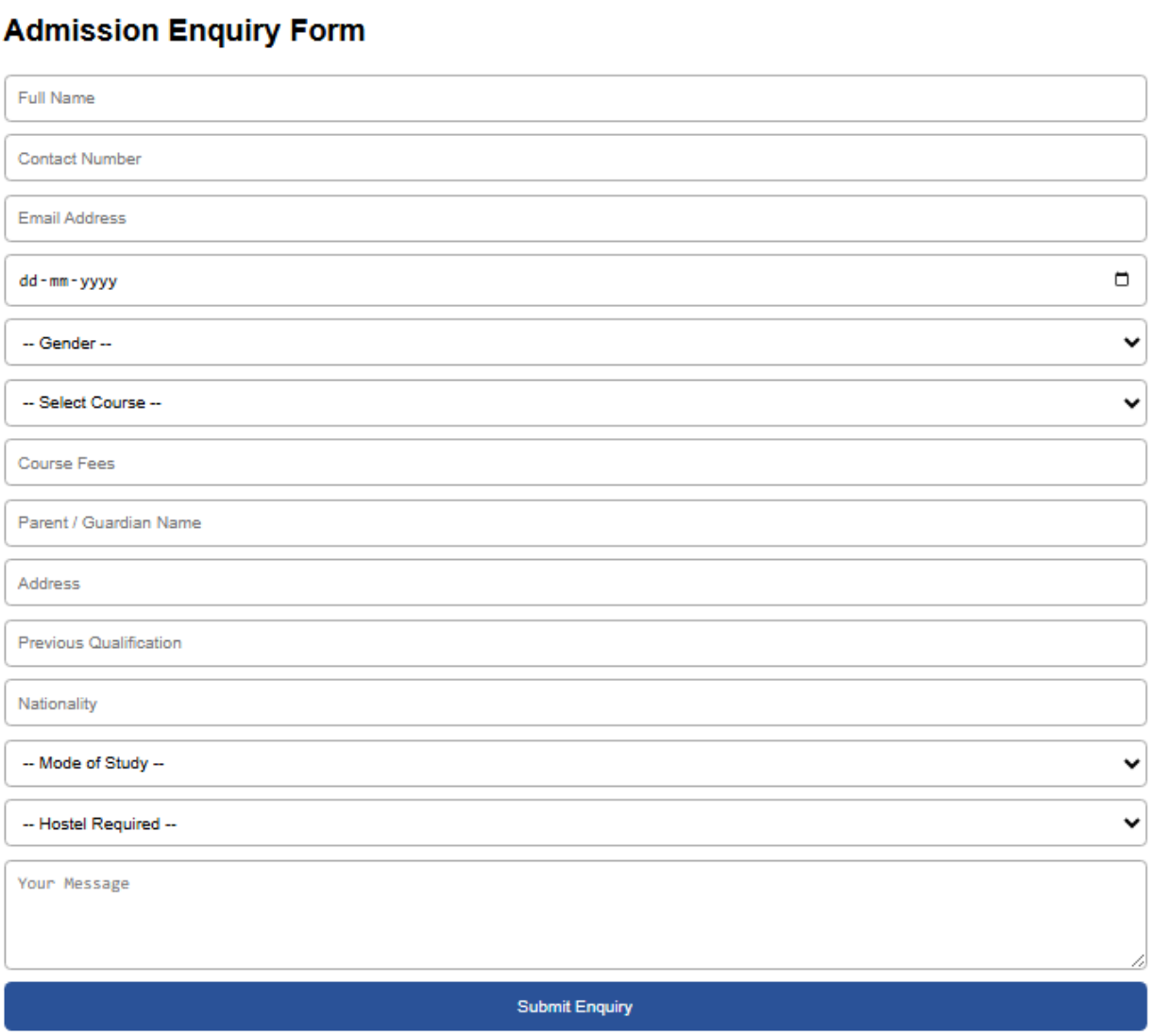
- User authentication (Admin / Staff)
- Prevents unauthorized acces

2. Dashboard Screen

Features:

- Shows system statistics
- Quick access buttons

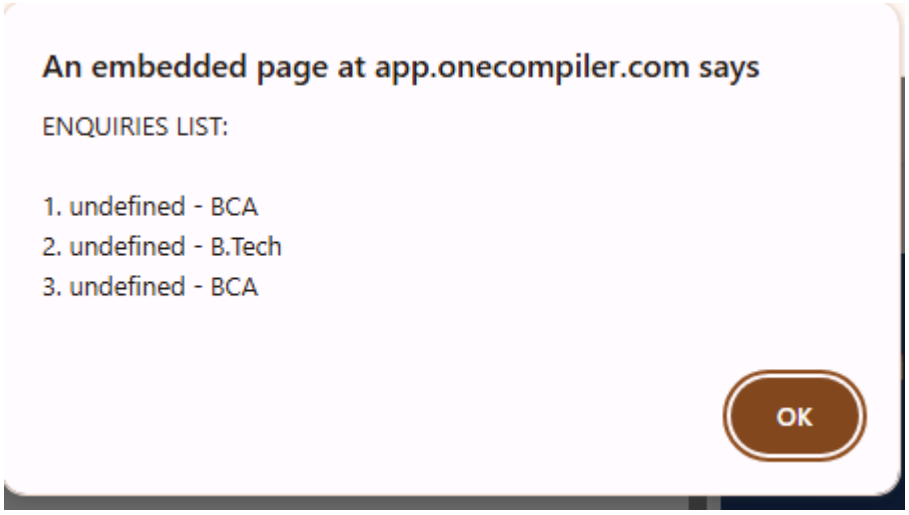
3. Add New Enquiry Screen



Features:

- Capture student enquiry details
- Dropdown for course selection
- Validation for phone/email

4. Enquiry List / Manage Enquiries Screen



Features:

- View all enquiries
- Export functionality

3.4 Report Design

Purpose:
Reports summarize and present data in a structured format, helping administrators monitor enquiries and make informed decisions.

Types of Reports:

1. **Enquiry Report** – Lists all student enquiries with status.
2. **Response Report** – Shows which enquiries have been responded to by administrators.
3. **Course-wise Enquiry Report** – Displays the number of enquiries for each course.
4. **Daily / Monthly Report** – Summarizes enquiries submitted in a selected time period.

Design Considerations:

- Include columns for ID, student name, course, enquiry, response, date, and status
- Filters for date range, course, or status
- Option to export reports in PDF or Excel format

- Use charts or graphs for visual representation of data (optional)

4. CHAPTER (TESTING)

System testing is a critical phase in software development. It ensures that the system functions as expected, meets the requirements, and is free from defects. For the College Admission Enquiry System**, testing verifies that students and administrators can interact with the system efficiently and accurately.**

4.1 Testing Methodology

Definition:
Testing methodology refers to the approach used to systematically test the software to ensure quality, accuracy, and reliability.

Methodology used in this project:

1. **Black Box Testing:**
    - Focuses on testing the functionality of the system without knowing its internal code.
    - Ensures all features like student enquiry submission, admin response, and report generation work correctly.
2. **White Box Testing (Optional for Developers):**
    - Involves testing the internal logic, database operations, and code structure.
    - Ensures the data flows correctly between forms, database, and reports.
3. **Manual Testing:**
    - Performed by the project team by interacting with the system's forms, screens, and reports.
    - Checks for errors, usability issues, and response correctness.

4.2 Unit Testing

Definition:
Unit testing is the process of testing individual components or modules of the system independently to ensure they work as expected.

Examples in the system:

- **Student Enquiry Form:** Verify that all fields are validated and enquiry is stored in the database.
- **Administrator Login:** Verify that only valid credentials allow access.
- **Course Management Module:** Verify that courses can be added, updated, and deleted correctly.

Purpose:

- Detect errors at an early stage
- Ensure each module works independently before integration

4.3 Module Testing

Definition:
Module testing checks the interaction between related modules to ensure they function correctly as a group.

Examples in the system:

- **Enquiry Submission Module + Database Module:** Verify that submitting an enquiry saves the correct data in the database.
- **Admin Response Module + Notification Module:** Verify that when an admin responds, the student receives the response correctly.
- **Report Generation Module + Database Module:** Verify that reports display accurate data filtered by date, course, or status.

Purpose:

- Ensure smooth communication between modules
- Detect interface errors between different parts of the system

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4.4 System Testing

Definition:
System testing evaluates the system as a whole, ensuring that all modules work together according to the specified requirements.

Examples in the system:

- **End-to-End Testing:** Student logs in → submits enquiry → admin responds → student receives response → report generation
- **Performance Testing:** System can handle multiple students submitting enquiries simultaneously
- **Security Testing:** Only authorized administrators can log in and access sensitive data

Purpose:

- Validate the overall functionality of the system
- Ensure reliability, usability, and efficiency
- Detect any errors that may arise when the system is used in a real-world scenario

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5. CHAPTER (CONCLUSION And REFERENCE)

5.1 Conclusion

The **College Admission Enquiry System** is designed to simplify and streamline the process of handling student admission enquiries. By digitizing the enquiry process, the system eliminates the inefficiencies and delays associated with manual methods, providing a faster, more accurate, and user-friendly platform for both students and administrators.

The system allows students to easily access information regarding courses, eligibility criteria, fee structures, and admission procedures, while administrators can efficiently manage, respond to, and track enquiries. It also enables secure data storage, report generation, and better communication, ultimately improving the overall admission experience.

While there are certain limitations, such as dependency on internet connectivity and reliance on administrators for responses, the advantages—like reduced workload, improved accuracy, transparency, and scalability—far outweigh them.

Overall, the College Admission Enquiry System **enhances operational efficiency, ensures timely responses, and provides a reliable and professional solution for managing admission enquiries, making it a valuable tool for educational institutions**

5.2 Limitations Of System

Limitations of the System

While the **College Admission Enquiry System** brings efficiency and convenience to managing admission queries, it has certain limitations:

1. **Internet Dependency (for web-based system):**
   - The system requires an active internet connection for students and administrators to access it. In the absence of internet connectivity, the system cannot function.
2. **Scope Limitation:**
   - The system is designed specifically for managing admission enquiries and does not handle other administrative functions like fee payment, attendance, or timetable management.
3. **Dependence on Administrators:**
   - The system relies on administrators to respond to student enquiries. Delays from the administrator can affect the effectiveness of the system.
4. **Limited Offline Functionality:**
   - Students cannot submit enquiries or view responses when the system is offline due to server maintenance or technical issues.

5. **Data Security Risks:**
    - Although basic security measures are implemented, there is always a risk of unauthorized access, hacking, or data loss if advanced security protocols are not in place.
6. **Performance with Large Data:**
    - For institutions with thousands of students and enquiries, the system may experience slower performance unless the database and server resources are optimized.
7. **Learning Curve for New Users:**
    - Users who are not familiar with computers or online systems may require some training to use the system efficiently.
8. **Limited Customization:**
    - The system may require further customization to adapt to specific rules, courses, or admission processes of different colleges.

5.3 FUTURE SCOPE FOR MODIFICATION

Future Scope for Modification

The **College Admission Enquiry System** is designed to simplify and streamline the admission enquiry process. However, there are several areas where the system can be enhanced in the future to make it more robust, feature-rich, and adaptable to the evolving needs of educational institutions:

1. **Integration with Online Payment Systems:**
    - Enable students to pay admission or application fees directly through the system, reducing manual intervention.
2. **Mobile Application Support:**
    - Develop a mobile version or app to allow students and administrators to access the system on smartphones and tablets for convenience.
3. **Automated Notifications:**
    - Add automated email or SMS notifications to inform students when their enquiry is responded to, or when important deadlines are approaching.
4. **Advanced Reporting and Analytics:**
    - Include graphical reports, trend analysis, and dashboards for better decision-making regarding popular courses, response times, and student demographics.
5. **Multi-language Support:**
    - Add support for multiple languages to accommodate students from different regions.
6. **Enhanced Security Features:**
    - Implement features such as two-factor authentication, role-based access control, and data encryption to ensure better security.
7. **Integration with Student Management Systems:**
    - Connect the enquiry system with broader student management software to include admissions, attendance, examination, and other administrative functions.
8. **AI-Powered Chatbot Assistance:**
    - Integrate a chatbot to handle frequently asked questions, reducing the workload on administrators.
9. **Offline Data Access and Sync:**
    - Allow offline submission of enquiries with automatic synchronization when the internet is available, ensuring uninterrupted service.
10. **Customizable Course and Admission Workflow:**
    - Enable administrators to modify course structures, eligibility criteria, and admission workflows dynamically to accommodate institutional changes.

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**********Thank You!**********