# 1. ATM System(Shakil)

An automated teller machine (ATM) enables customers of financial institutions to perform financial transactions; such as cash withdrawals, deposits or obtaining account information, at any time and without the need for direct interaction with bank staff. Using an ATM, customers can access their bank deposit or credit accounts in order to make a variety of financial transactions such as cash withdrawals, check balances, or credit mobile phones. The Automated Banking system is a system designed for managing bank transaction ie. For withdraw, balance checking etc. The client may take money from their accounts, and ask for their current balance. All these operations are accomplished using ATM .Transaction on an account may be done by ATM and ATM cards. An ATM withdrawer inserts a card in an ATM and types in a PIN number. The system checks that the PIN matches the card.If it does not, the system rejects the card. If valid, the ATM withdrawer types in the amount to be withdrawn. The system checks that the account has sufficient funds.If it does, the system debits the account and gives the money. Otherwise, the system refuses the transaction. ATM Technician provides maintenance and repairs to the ATM.

# 2. Bank Transaction System(Tareq)

Automated Banking System enables customers of financial institutions to perform financial transactions, such as cash withdrawals, deposits or obtaining account information. Clients may take money from their accounts, deposit money or ask for their current balance. All these operations are accomplished using either automatic teller machines (ATM) or counter tellers. Transactions on an account may be done by cheque or using the teller machine and card.

Bank staff provides customer service; such as help customer in withdraw and deposit amount, Check account number and other info in deposit form, update deposit record, withdraw record and create reports from the data.

**3. Hospital management(Mostafiz)**

This case study titled Hospital management system monitors and controls all activities of a hospital. The Hospital has receptionists who record patient details, **confirm appointment with doctor**, admit patient, prepare bill & receive payments. Manager reserve all accounts, pay salaries & recruit new doctor & nurses. Nurses take care of patients. Hospital has two basic departments indoor and outdoor. Patients are admitted under indoor department. Outdoor department remain open from 9 AM to 2 PM every day except Friday. Outdoor patient must collect a ticket for appointment doctor. In Indoor department for every patient have one nurse for take care.

**4. Retail Store Management System(Romana)**

The Retail Store Management System is a system designed for managing i.e. for ordering, arranging and selling goods. The Retailer checks for the availability of goods in the store. If the stock of goods is less than retailer places order for said goods. While ordering the goods, they are received at the store, the retailer then arrange them by product or by price, then retailer makes payment. If the goods is available in stock, then he will arrange goods for selling. The retailer then sells the goods directly to the customer. The customer buys the items from

retailer. The retailer preapares bill for goods purchased by the customer, he receives amount by credit or by cash from customer. The supplier supplies the goods to the store in the system. The overall sysytem is used to manage the goods in the store.

**5. Online shopping(Rabi)**

Online shopping systemis designed for ordering, arranging and selling goods in the form of electronic commerce (e-Commerce) which allows consumers can buy goods or services from a seller over the Internet using a web browser.Web customer uses someweb site to make purchases online. Customer can Search item, ViewItems, Make Purchase and make payment. The cashier prepares the bill for goods purchased by the customer. He then receives amount by credit or by cash from customer. The Manager checks for the availability of goods and buys stock and make supplier payment. While ordering goods, goods are received at inventory. Customer orders are shipped according to customer demand and availability of goods.

**6. Car Rental System**

## Car Rental System is a system designed for a car rental business. Registered and unregistered Clients can visit your website and registered clients should be able to login, search, select and reserve the vehicle of their choice. Employee allocated for customer service check client registration and login info, maintain car information and prepare daily rental report. It gives your clients instant view of availability, rates and instant booking confirmation. The cashier prepares the bill and receives the amount from customer. The manager view monthly rental report and monitors the whole system.

**7. College Enrollment System(Al-Amin)**

This case study titled college enrollment management is a system for monitoring and controlling all activities of student enrollment. Administrator keeps a detailed record of the student and ensures the student enrollment. Student submits their registration form through system login and only registered student can sit for the examination test .The administrator manage student’s examination as well as the question bank. The administrator also updates student information and database information.

**8. Course management System(Pervez)**

This case study titled course management is a system for monitoring and controlling course management for students. Lecturer select courses to teach the student and manages course roster.Student search for courses and register for it if available. Cashier prepare bill and receive payment from student for course fee. Register create course catalog and provide it to registered student of that course. Register keep track on to maintain course info, student info and lecturer info and update course and student in database.

**9. Hotel management System (Tasnuva)**

This case study titled hotel management is a system for monitoring and controlling hotel management system. It offers opportunity to all user to view it profile and gallery. Moreover user can login to the system for searching room availability, pricing and can ask for room booking. Moreover customer can contact reception to ask for room availability and check booking.Reciption maintain customer’s check in time and check out time. Administrator monitors customer’s details and manages and update database.

**10. Canteen management(Asad)**

The objective of this system is to automate all the activities of the canteen right from purchasing and to maintaining the kitchen. The manager should maintain a detailed account info .Waiter will take order and serve food and at the canteen. Reception will provide several inquiry facilities will provide to view expenses incurred, and provide bill. In short following are the list of facilities which should be provided to the customer: Customer search for items with rates, daily menu preparation, daily transactions, availability of information on intranet for reports and inquiries, purchases and issues.

**11. School Management System(Rakib)**

School management system helps us managing all functionalities of a school. The Administrator deals with the following**:**  recruitment of Teachers, Students admission , create Class, manage Subjects, update Teacher and student info, Modify/update Class schedules,

The Teacher deals with the following**:** Mark Attendance, Prepare Test Paper, Check Papers, Prepare Report Cards, and Declare Result.

The Student’s section deals with the following**:** Fill Admission Form, Get Enrolled, and sit for exam.

**12. Stock Maintenance(Shah Newez)**

This system is used to maintain the product details and stock. Stock maintenance system has the details about the product, purchase, sales and past stock records. The product details contain Product name with their prices. In the purchasing function there should be details about the store, quantity and also price. Customer buys the product and the stock gets updated. Suppliers provide products and again the stock gets updated. Database contains product ID, opening stock, purchase stock, current stock, and sales. The stock details are maintained in the database .

**13. Railway Reservation System** (Jewel)

It is a system used for booking Train tickets over the internet. Any customer can book tickets for different trains. A customer can book a ticket only if the tickets are available. Customer searches for the availability of tickets, and then if the tickets are available he books the tickets by initially filling out the details in a form.Tickets can be booked by the customer and he himself has to take a print-out of the ticket. The amount priced for the tickets are deducted from customers account. For cancellation of ticket the customer has to go to the reservation officer.

**14. Food ordering**

This system allows the ordering of food from a local restaurant through the use of an interactive web page or application. Much like ordering consumer goods online, many of these allow customers to keep accounts with them in order to make frequent ordering convenient. A customer will search for a restaurant and choose from available items on the restaurant’s menu, and choose delivery or pick-up. Payment can be either by credit card or cash, with the restaurant returning a percentage to the online food company.

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