**Group 1:**

**A Point-of-Sale (POS) System**

A retail POS system typically includes a computer, monitor, keyboard, barcode scanners, weight scale, receipt printer, credit card processing system, etc. and POS terminal software. It interfaces to various service applications, such as a third-party tax calculator and inventory control. These systems must be relatively fault tolerant; that is, even if remote services are temporarily unavailable they must still be of capturing sales and handling at least cash payments. A POS system must support multiple and varied client-side terminals and interfaces such as browser, PDAs, touch-screens.

**Group 2**

**Online Shopping: -**

Customer uses some web site to make purchases online. Follow the various websites like snap deal, flip kart, amazon.in so as to design an online shopping.

**Group 3**

**Library management:**

The Library Management System is an application for assisting a librarian in managing a book library in a university. The system would provide basic set of features to add/update members, add/update books, and manage check in specifications for the systems based on the client’s statement of need.

Library management system is a typical management Information system (MIS), its Development include the establishment and maintenance of back-end database and front-end application development aspects. For the former require the establishment of data consistency and integrity of the strong data security and good libraries. As for the latter requires the application fully functional, easy to use and so on.

**Group 4** -

**E-Library OPAC :-**

An Online Public Access Catalog (OPAC) is e-Library website which is part of Integrated Library System (ILS), also known as a Library Management System (LMS), and managed by a library or group of libraries. Members of the library can search library catalog online to locate various resources - books, periodicals, audio and visual materials, or other items under control of the library. Members may reserve or renew the resources.

**Group 5**

**Airport Simulation**

Simulate the operations in an airport. Your application should support multiple aircrafts using several runways and gates avoiding collisions/ conflicts. Landing: an aircraft uses the runway, lands, and then taxis over to the terminal. Take-Off: an aircraft taxies to the runway and then takes off.

**Group 6**

**Hospital Management System**

Hospital management system is a large system including several subsystems or modules providing variety of functions. Hospital subsystem or module supports some of the many job duties of hospital receptionist. Receptionist schedules patient's appointments and admission to the hospital, collects information from patient upon patient's arrival and/or by phone. For the patient that will stay in the hospital ("inpatient") she or he should have a bed allotted in a ward. Receptionists might also receive

patient's payments, record them in a database and provide receipts, file insurance claims and medical reports.

**Group 7**

**An Auction Application**

Several commerce models exist and are the basis for a number of companies like eBay.com, pricellne.com etc. Design and implement an auction application that provides auctioning services. It should clearly model the various auctioneers, the bidding process, auctioning etc.

**Group 8:-**

**Credit Card Processing System**

Credit card processing system (Credit card payment gateway) is a system under consideration. Main part of the system is the Merchant's Credit Card Processing System. The merchant submits a credit card transaction request to the credit card payment gateway on behalf of a customer. Bank which issued customer's credit card which could approve or reject the transaction. If transaction is approved, funds will be transferred to merchant's bank account.

**Group 9**

**Airport Check-In and Security Screening**

Passenger, tour guide, minor (child), passenger with special needs (e.g. with disabilities), involved in relation to airport business. Individual check-in, group check-in (for groups of tourists), security screening, etc. Representing process taking place in airport and serving the needs of passengers.