1. college Information System.

Problem statement :-

The college information System is a system that maintains student-staff and department information. It maintains the courses taught by teachers and students enrolled in them. Admission records of student and Examination details and other important information related to college management is maintained.

Software Requirement specifications :-

* college information system has admin who manages the staff, student and department.

* Admin can view and modify the student's records like student's profile, attendance, fee, results and details of teachers & other employees in college, their personal information & their attendance for their salaries.

* In this system, user authentication will be done by login by user name and password and classified by user type.

* Staff in college teach more than one course to many students and the staff who are teachers conduct examinations for students of the college.

* The students of the colleges register themselves in the department & for the courses they are interested in and join the college by taking admission and following all the admission procedures.

* There are different types of examination conducted by the college for the students. Internals and Semester and Examination are two of them.

* Every course has a name and its unique name Every course has different subjects and every subject has it own unique name.

* Department will provide the details about departments within a college with their name and every department have its Department name.

2. Hostel Management System - SRS

The purpose of Hostel Management system is to carry out different operations of a hotel. This system will provide care, comfort of use to the staff of the hostel by performing work on computer. It helps to manage student and staff records.

* Admin can login using credentials provided to him
* Admin can allot room to student.
* Students can login using the credential provided and can give feedback about staff.
* Admin can review the feedback provided by students.
* Students can provide meu feedback.
* Meu manager can review the meu feedback
* Meu manager can update the mess list.
* The system should be easy to handle.
* The response time should be small.

③ Stock Management System.

* The owner has a manager which manages the inventory. The owner can order, sell stock. He can make payments, report quality issue, return stock and track his order.

* The manager maintain a ledger, do quality check and report to the owner.

* In the inventory, we can add, remove edit and search the inventory. we can calculate the requirement and expired stock.

* The order details contain details of order.

* The stock can be viewed, edited, added and removed.

* The supplier tracks orcle details and supplies the stock and receives payment.

* A product is added, removed, modified. the details of the product can be viewed.

④ **Coffee vending machine**

coffee vending machine is designed to dispense coffee in required quantity by collecting information related on type of coffee from the customer & estimating the price and quantity necessary for preparation of particular type of coffee.

The machine collects coin from the customer and ask for type of coffee to dispense.

clauses with attributes and function are as follows:

Controller:

Attributes:
- id

function:
- dispense the product.
- dispense the coin to customer.
- compare price of coin to that of product price.
- check, availability of the product.
- update the product quantity after each dispense.

Selection Panel:

Attributes:
- product name, states.
- gets the product name from the customer

function:
- customer can select the product.

Coin Collector:

Attributes:
- coin price, count.
- get the coin from the customer.

Function :-
      - collect and count the
        coins from the customer.

Product Dispenser :

  Attributes :
        - product , quantity
        - get the product name and its quantity

  Function :
        - dispense the selected product.

Product :

  Attributes :
        - price , quantity
        - get the product price & quantity.

  Function :-
        - update the quantity of product
          after each dispense.
        - retrive the selected product.

Coin Dispenses :

  Attributes :
        - count of coin

  Function :
        - dispense the remaining amount to
          the customer.

⑤ Online shopping system.

The online shopping system allows the users and vendors to exchange product remotely & reduces the amount of cost and the time substantially.

The s/w provides the following facilities to the customers:

* facilities easy shopping online anywhere with free shopping (conditions apply)

* provides information about the products in category.

* Can avail the facility of purchasing second hand products.

* Customers are provided with up to date information on the products available.

* provides email facility.

* Provides backup facility.

* Can add nearly ten products to their shopping cart at a time.

  The s/w will not provide the following facilities to the customers:

* Cannot reverse the product for more than two days.

* Cannot reverse more than two products

* Responsibility of damages.

* The product cannot be changeable once confirmed.

The s/w provides the following facilities to the merchants.

* Facilitates easy bidding facility.
* Provides complete information about the customer.
* provides complete information about the product
* can avail the facility of email correspondence
* Can avail the brand catalog facility.

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⑥ Railway Reservation System.

To develop a user-friendly railway reservation system to enable passengers to book tickets online and make payment online as well.

Railway reservation system which provides the train timing details, reservation, billing and cancellation on various types of reservation namely.

* confirm reservation for seat.
* Reservation against cancellation
* waiting list Reservation.
* online Reservation.
* Tatkal Reservation.

This system enables the advance booking in any class, against general and ladies quota, an payment of fare in full for adults and children, a maximum of six berths / seats at a time, for journey b/w any 2 stations served by train.

It also provides details about.

*. Timetable
* Train fares.
* Current status of reservation position.
* Train available b/w a pair of stations.
* Accomatation available for a train/date combination Types of tickets: General and Tatkal.

⑦ Graphics Editor System

graphics editor provides an application programme
-r's Interface that enables a programmer to
develop their run graphical model editor for a
specific type of model. This API in turn, relia
on extending the Eclipse graphical editing
framework to provide an environment in which
editor function.

* It contains the tool box which contain tools
   like line, circle, Rectangle, arc etc.

* Color bot or palitte

* Standard toolbox with option for new, open,
   save toolbox and text toolbox.

* one integrated view to wer the tool box,
   color box and graphic screen.

* eary handling of tools for wer.

* Ability to group serveral drawings into one.
   i.e complex drawing.

* provision of zoom in and zoom out.

* Different shadings of line tools are provided