LAB 1

SOFTWARE REQUIREMENT SPECIFICATION

1. College Information System

* Students

→ Enter student information
→ Course Registration
→ Pay college fee & exam fee
→ View exam schedule

* Lecturers

→ upload their details
→ upload students marks
→ view class Schedule
→ view salary payment status

* COE officer

→ view student information
→ upload exam schedule
→ Generate marks card

* Admission section
→ Register new students
→ update & view available,

* Account Section
→ Get fee payment status & students
→ update fee status
→ update & view salary payment status

* Management
→ Create class schedule
→ Assign section to each professor
→ Assign work to non teaching staff
→ view staff information

2. Hostel Management System:

* student:
  - upload student information
  → upload parent information
  → pay hostel fee
  → view room number
  → view food schedule

* Catering:
  → view student information
  → create food budget
  → upload food schedule

* Management:
  - Assign rooms to schedule
  → View student info
  → upload/view staff info
  → Assign warden

* Accounts:
  → view/update fee payment status
  → view/update salary payment status
  → upload & view spendings

* Warden:
  → view student information
  → View parent information

3. Stock maintenance System

* Customer:
→ Enter customer details
→ view available stock
→ Save products in cart
→ checkout products

* Stock status
→ view quantity of products
→ update stock quantity after customer purchase

* Staff:
→ Login / signup
→ update product details
→ view updated product details
→ view salary payment status

* Managers:
→ Register new staff into the System
→ Set minimum product requirement
→ view status details
→ view customer order
→ view spending

* Stock purchases
→ place order of products required
→ upload cost of purchase

* Suppliers:
→ upload supplier details
→ upload product details/price
→ view pending orders

4. Coffee Vending Machine :

* users :
  → view products
  → view prices
  → select products

* Payment :
  → payment by upi
  → payment by cash
  → payment by card
  → Refund if failure

* Products
  → Ability to change price & name of product
  → Ability to add & remove stock
  → keep track of expiry date

* Display :
  → user will be able to select products upto
  maxi

* operators :
  → view purchase history
  → view product details
  → update product details

5. Online shopping System

* User
→ New customers must enter the site only after registration
→ Exsisting customers can login
→ view/search/sort available product
→ Add products to cart

* Payments
→ Mode of payment can be UPI/Debit Card/credit card
→ Request in case of failure or defective product Refund

* Report Generations
→ After ordering for the product, the system will send one copy of bill to customers email & another to system database

* Stock Maintienment
→ Must be able to view the available stock & update the stock after each customer purchase

* Manager/Administrators
→ Must be able to view purchase history
→ Must be able to set/change product prices
→ Add/delete products

* Vendors/sellers
→ update the information about their products & their process

6. Railway Reservation System

* User
- each user should have a user id and a password. Record of all the users of the system should be kept in log file
- The customer can view the train available at any day, the cost and the number of tickets for any train
- Customer can book a ticket only if the tickets are available
- Customers search for the availiblility of tickets then if the tickets are available he books the tickets by initialy filling details in a form

* Payment:
- Payment of the ticket can be done either by UPI or debit cards
- Refunds must be initiated in case of failure

* Ticket:
- E-ticket must be generated in case of successful booking with train details & customer information
- Database update

* Administrator:
- Should be able to view/update seats
- Should be able to update train information

Graphics Editor System

→ The graphical editor consists of a graphical document editor which can be used to create a new document, delete document, update or view the document.

→ The graphical document editor consists of many documents where each document can be saved, opened, printed or create a new one.

→ A document consists of many objects which can have graphical included in them.

→ Sheets have multiple number of drawing objects, which can be created, grouped or promoted.

→ The users can also add & remove connection between then objects as needed using the data supplied, thus modifying the underlying model.

→ Each sheet contains drawing objective including text, geometrical objects & groups.

→ A geometrical object include circle, ellipse, rectangle, lines & square.