Proposed by: Rajendra Prasath

P001) Project Title:

Railway Reservation System

Description:

This project helps you to perform a few specific tasks related to Online Railway Reservation System. Using this system, a user can do a fresh booking of a ticket or modify or cancel the booking of a ticket and search the bookings based on various fields. You are provided with a long list of unique IDs which can be used as the PNR number (Passenger Name Record) for each booking. A booking can have maximum of 4 passengers.

Tasks:

Each of the following tasks should have a minimum of 5 - 8 subtasks (each with a corresponding function):

a) **Reservation:**
Subtasks:
Load bookings, Create new booking, View booking, Estimate Ticket Price, Apply discounts, get Estimate of taxes, Get Final Booking Price, Confirm Booking and so on.

b) Search Booking:
Subtasks:
Load bookings by Specific field, Search bookings by Name, Search bookings by Source and Destination, Search booking by PNR, Search Bookings by train number and so on.

c) Modify Booking:
Subtasks:
Load bookings by primary key, View booking by specific key, modify the booking by applying discounts, modify booking by changing passenger name, confirm modification of booking, Update Booking and so on

d) Cancellation:
Subtasks:
Load bookings, Cancel a specific ticket (delete the node), View delete history, Delete history by PNR, Confirm cancellation, Update bookings, Cancel ticket and so on.

Proposed by : Sunil Kumar

P002) Project title:

Student Academic Records

Description:

In this project you have to design a simple student's academic records.Here the key is students roll number.Total of 3 databases you need to have : First is (number of courses he has opted, Father name, Inter marks , Student roll number , Student name), Second is Course-Details database (course id , Course name , Faculty name) , Third is Student-Course database (Student roll number ,course id) . Note that Students Roll number is unique and course id is also unique . Note that if the student has opted (p) no of course then in the student-Course databases for that particular student there should be (p) rows in the Student-Course database.

Tasks:

Creating data :

Firstly , Randomly create students roll number which should be unique , father name , inter marks ,no of courses he has opted , and Student name . Secondly, create some course id which should be unique , course name , faculty name. Finally randomly assign students roll number to course .

Searching data:

When you search for the students roll number it should display the following things

First set of results : Student name | Father's name | Inter marks | no of courses he has opted

Second set of results :

For the courses the student has opted it should display the table the following .

Please remember that no of course he has opted should be equal to the no of rows displayed in the second set of results .

Course name | | faculty name

Deleting data :

If we delete the course id in the course-details database it should delete all the students who has opted for the course which was deleted in students-course database. Also the no of course opted by the student should also be decreased

Proposed by : Sunil Kumar

P003) Project title:
Facebook - Social network

Description:

As most of them are very familiar about facebook , here we will build a simple module in the facebook .

Tasks:

Creating data :

First : Randomly create a unique id , for each randomly created id assign a person name and one of his favourite places. Note that the id should be unique and duplicates are allowed in person's names. You can assume pre-defined person names and favourite places.But assigning these predefined should be done randomly.

Second : For each randomly created unique id assign some previously created id's (Make sure that duplicates are not assigned to a single id). For your understanding we are doing this assigning to maintaining friends list.

Searching data :

First Search :

If we search a person by name it should display the person's name along with the no of friends connected to him (Duplicates are allowed) .

Second Search :

If we search a favourite place it should display the all the person's to which his favourite place is equal to searched favourite place.

Third search :

On searching a person name display the friends connected to him along with for each friend display the no of mutual friends.If possible display the names of the mutual friends names for each friend connected to the person.
(if duplicates names are there you can use any one of them)

Deleting data :

you are allowed to delete the friend from our friends list . After deleting you can show count the number of friends connected to the person . Also remember that we will check whether you are explicitly deleting the link between the friend or not .

Proposed by: Sunil Kumar

P004) Project Title:

Truecaller

Description:

As most of them are familiar with truecaller app , Let you implement a small module in that app

Data Creation :

First Set :

Randomly create unique id , for each randomly created unique id assign a person name and phone_number. Please note that the Phone_numbers should be distinct whereas duplicates can be allowed in creating person name.

Second Set :

Using the previously created first set of data you have to create a new data which comprises the following data ,
For each created person should have a [list of contacts [person name , phone number]] also please see that person name ,phone number should be in the first set of results.

Search based on phone number :

On searching for a phone number it should display the following results

a) If phone number is not present it should display - No Records
b) If it is present ,
first set : It should display the person's name
Second list : It should display the root list that is how you have obtained the Contact's name

Blocking the phone number :

Randomly for each person atleast block one phone number that is making the phone number as special case
Now , after doing that when someone searches the particular number , It should display that the number u have searched is invalid. But actually what we know is that the phone number exist.But it showed that number is invalid because the person whom you are searching must have blocked your number.

Proposed by: Ch.Sai Manideep

P005) Project title:

Phone book

Description:

This project helps you to build a phonebook using data structures.Assume phone no as a key.For example contact structure includes (name,phone no,email,organisation etc)

Tasks:

Each of the following tasks should have a minimum of 5 - 8 subtasks (each with a corresponding function):

a) **Loading data into structure**

Load contacts into a data structure (contacts usually contains name,address,phone number and organisation)

b) Searching contacts

Search by phone number or name or organisation or any other attribute

c) Creating groups

create group of the contacts by some labels (family,friends)

d) deletion/updating

Deletion /updating the contact details

e) Community formation based on interests

For example:if your contacts are interested in sports form group by their interests

Proposed by: Ch.Sai Manideep

P006) Project Title:

Restaurant table reservation system

Description:
In this project you have to design a table reservation system for restaurants and data structure may contain details like restaurant name,no of tables and some other details about restaurant (area,opening and closing time).The key here can be a restaurant id.

Tasks:

Each of the following tasks should have a minimum of 5 - 8 subtasks (each with a corresponding function):

a)Load data
Load data regarding restaurants (I.e restaurant name,about no of tables ,closing time,opening time,rating)

b)searching
Search by rating ,search by restaurant name,search by place,show the restaurant where the tables are available.

c)updating/deletion
updating the table availability in that restaurant and other details regarding restaurant.

d)availability check
Checking availability of the tables in the restaurant

Proposed by: Vaishali Sharma

P007) Project Title:

Car Sales Management System

Description:

The system has some car showrooms. The showroom owners can list the cars they want to sell , the specifications, price etc. The users can see the various cars put for sale and book a car from a showroom; if it is in stock.

Task1:

For the showroom owners: functionality to add, modify, update , delete information about the cars they have.

Task2:

For the users: see the cars available, compare them based on prices, specifications, book the car.

Task3:

Place order for various accessories for the car.

Task4:

The user should have the functionality to put cars for resale with information about the car.

Proposed by: Soham Marik

P008) Project Title:
Employee Database

Description:

This project helps you to perform a few specific tasks related to maintaining an Employee Database. This database will have the details of the employees working in a certain company(employee ID,name,department,hiring date,manager ID). Employee ID's are used as primary keys, and managers are identified by their employee ID's too.

Tasks:

Each of the following tasks should have a minimum of 5 - 8 subtasks (each with a corresponding function):

Note: By primary key, I mean that value should be unique.

a) **New Record:**
Subtasks:
Create a record for a new employee.

b) **Search Record:**
Subtasks:
Search and display records by specific fields.

c) **Modify Record:**
Subtasks:
Modify the details for a particular employee with specified fields. *This can be only done by the employee himself or his manager.*

d) **Deletion:**
Subtasks:
Delete the record for a particular employee.*This can be only done by the employee himself or his manager.*

Proposed by: Soham Marik

P009) Project Title: Criminals Database

Description:

This project helps you to perform a few specific tasks related to maintaining a Criminals Database. This database will have the details of persons with criminal records (person ID,name,offense,region,prison name,arrest date,release date(if applicable)).Person ID is used as primary key.There are two tables,the main one and an archive,whose functions are made clear in the Tasks description.

Tasks:

Each of the following tasks should have a minimum of 5 - 8 subtasks (each with a corresponding function):

Note: By primary key, I mean that value should be unique.

a) **New Record:**
Subtasks:
Create a new record (release date may or may not be included). *If release date is 20 or more than 20 years earlier,it is added to a separate table called Archive.*

b) **Search Record:**
Subtasks:
Search and display records by specific fields.

c) **Modify Record:**
Subtasks:
Modify the details for a particular criminal with specified fields. *Release information cannot be modified.*

d) **Release:**
Subtasks:
In case a criminal is released from imprisonment,add a release date. *The details of criminals released 20 years or earlier are deleted from the main table and added to a separate table called Archive.*

Proposed by: Soham Marik

P010) Project Title: Online Shopping Database

Description:

This project helps you to perform a few specific tasks related to maintaining an Online Shopping Database. This database will have the details of records of items sold by an online shopping site (item ID, item name, price, quantity, offer).Item ID is used as primary key.

Tasks:

Each of the following tasks should have a minimum of 5 - 8 subtasks (each with a corresponding function):

Note: By primary key, I mean that value should be unique.

b) New Record:
Subtasks:
Create a new record.

b) Search Record:
Subtasks:
Search and display records by specific fields.

c) Modify Record:
Subtasks:
Modify the details for a particular item with specified fields.

d) Buy item:
Subtasks:
If an item is bought, quantity is reduced by one. The item is deleted in case all of them are bought up.

Proposed by: Sai Krishna Maurya

P011) Project Title:

Movie Information System

Description:

This project helps you to perform a few specific tasks related to Movie Information System. Using this system, a user can know the details of the movie that was released.Reviews and ratings of the movies of different languages should be available to the user..A search option for querying should be there in the system that is developed for the comfort of the user.Suggestions should be given to the user based on the top N rated movies of the week.User should see the list of latest movies when actor/actress name is given.

Tasks:

Each of the following tasks should have a minimum of 5 - 8 subtasks (each with a corresponding function):

e) **Movies:**
Subtasks:
Genre, list of movies in that Genre,Short note on each movie when clicked,theatres nearby , cast & crew details , Hero latest hit movies or disasters.

f) **Search**:
Subtasks:
Search by rating, Search by Actor/actress name, Search by film name and Search by Genre, Search by language.

g) **Review & Rating**:
Subtasks:
Top rated movies of the week,Reviews of all movies,Updated ratings of the movie after a week, suggested movies of the week based on rating,Ratings based on content in the movie.

h) **Actor/Actress Details**:
Subtasks:
Actor/Actress Details, Top collected movies of the Actor/Actress, Directors they worked with, Latest Gossip about him/her, Genre they acted till now.

Proposed by: Sai Krishna Maurya

P012) Project Title:

Health Monitoring System

Description:

This project helps you to perform a few specific tasks related to Health Monitoring System. Using this system, a patient can check the record of his health.Similarly,doctor can look for the records of the patients who takes treatment under him.A search option to know the particular patient details.

Tasks:

Each of the following tasks should have a minimum of 5 - 8 subtasks (each with a corresponding function):

i) **Doctor:**
Subtasks:
list of patients,each patient health details, Patient's appointment dates,Special patients list based on disease, patient details

j) **Search**:
Subtasks:
Search by patient name, Search by hospital name, Search by disease name and Search by doctor name, Search by city name .

k) **Patient**:
Subtasks:
Health details in a week,Doctors suggestions,Tablet scheduled time-table for a day,Doctor's appointment date,doctor details.

l) **Remove Expired patients list**:
Subtasks:
Load list of patients under doctor, Remove expired patient name, View deleted history, Update doctors patients list,Remove patient name permanently from database.

Proposed by: Sai Krishna Maurya

P013) Project Title:

Library Management System

Description:

This project helps you to perform a few specific tasks related to Library Management System. Using this system, a student should get the list of available books in the library based on course.Similarly,college should see the list of books issued to the students.A search option to look for the queried books for students and to know the list of books that are assigned to a single student.

Tasks:

a) **College Library:**
Subtasks:
list of books,Books assigned to a single student list,Student Details,Issue date of books for each student and their expiry,Course-wise books available

b) **Search**:
Subtasks:
Search by student name to know the list of books issued,search by book name,search by course name,search by author name,search by Genre.

c) **Books**:
Subtasks:
Book issued students list,cost of the book,similar books with same content,Books with same author,Number of books available.

d) **Removing Records**:
Subtasks:
Load list of students,remove the name of the student for the book when he returns, update students list every week for corresponding books issued,Remove books list that are not available for a week,update when new books are added.

Proposed by: Lakshminarayana Sadineni

P014) Project Title:

Social Networking

Description:

This project helps you to build a social network of people with friends, interests, movies they watch, games they play and to query the network for different interesting data.

Tasks:

Each of the following tasks should have a minimum of 5 - 8 subtasks (each with a corresponding function):

a) **Build Network**
   Subtasks:
   Load data from file, Parse the data to find persons' name, friends list, interests, movies they watch, games they play. Build a network with appropriate data structures

b) **Add New Info to network**
   Sub Tasks:
   Add new profile to network with related information
   Add a new friend, Add a game, Add an interest, Add a movie

c) **Remove Info from Network**
   Subtasks:
   Remove a friendship, Remove a game, Remove an interest, Remove a movie

d) **Search Info from Network**
   Subtasks:
   Search for a profile, Search common friends, Search common interests, Display all second connections, Search friends with common interests, Search people who play a common game, Search people who like same movies.

Proposed by: Lakshminarayana Sadineni

P015) Project Title:

Dictionary Using Trie

Description:

This project helps you to build a dictionary using trie data structure. You can find details about trie data structure from here. You are given a set of words with their meanings in a file. You have to build a dictionary with those words using trie and have to perform search operations.

Tasks:

Each of the following tasks should have a minimum of 5 - 8 subtasks (each with a corresponding function):

e) **Implement Trie Data Structure**
Subtasks:
Implement Trie Node, Implement Trie operations like add, lookup, remove.

f) **Build a dictionary**
Sub Tasks:
Create trie, Parse data from file and build a dictionary, Add new words to dictionary, Update meanings of the words.

g) **Remove words from Dictionary**
Subtasks:
Remove a word from dictionary, Remove all words with given prefix from dictionary, Remove all words with given suffix from dictionary.

h) **Search Info from Network**
Subtasks:
Search for meaning when a word is given. Search for words with given common prefix, Search for words with given substring, Search for words with given common suffix, Suggest words when a wrongly spelled word is given.

Proposed by: Lakshminarayana Sadineni

P016) Project Title:

ATM Application

Description:

This project helps you to build a console app to demonstrate the typical operations performed at an ATM. The system may not be an ideal ATM but an analogous to ATM. We use files to store all the details about users and their account details. This system has two roles Admin and User. Admin manages the accounts of the users. User uses the system to do transactions.

Tasks:

i) **Implement Admin Interaction**
Subtasks:
Initialize system: provide bank name, branch name, atm address, Daily Limit
Load User accounts: Account details are provided in a file.
Remove a user account
Block a user, Unblock a user
Load cash into ATM
Display ATM Transaction Log(By date, By customer, By amount)
Display all account details

j) **Implement User Interaction**
Sub Tasks:
Create account: Provide account Number, One Time Secret Key later set a PIN
Login: Account Number, password
Check Account Balance
Deposit Money:
Withdraw Money: Check Daily Limit and cash availability
Transfer Funds: Beneficiary Account Number
Display Transaction Log: By Date, By Amount
Change PIN
View Profile
Update Profile

Proposed by: Sai Charan

P017) Project Title:

Stock Exchange Management

Description:

Stock Exchange Brokerage System for Inserting/Placing and Deleting the Stock Orders in Stock Exchange. Encryption & Decryption of messages while transferring from/to Clients using FIX Tags(Tags mentioned in the Example are sufficient) should be done to maintain security. Data of Orders should be maintained in a SpreadSheet which should be refreshed for every 10 secs.

Note: a) Order will be rejected if message is corrupted
b) ‘\001’ - Pipe Character (Tag Eliminator)

Tasks:

1) **Encryption of Message:**
Need to convert the Input FIX-String from the Client to Object
Example:
Input String:
9=150’\001’40=I’\001’37=4123’\001’53=3’\001’34=5’\001’10=1
Output Object:
i) Object.BodyLength=150 //(Message Length)
ii) Object.OrderType=I //(I- Insert Order //(D-Delete Order)
iii) Object.OrderID=4123 //(Insert/Delete Order with ID: 4123)
iv) Object.NumOfShares=3 //(Exists only for Insert Order)
v) Object.MesSeqNum=5 //(Sequence Number)
vi) Object.Checksum=1 //(Acknowledgement
1-Not Corrupted / 0-Corrupted)

2) **Decryption of Message:**
Need to convert the Object Received from the Exchange to FIX-String
Example:
Input Object:
i) Object.BodyLength=150 //(Message Length)
ii) Object.OrderStatus=P //(P- Order Placed)
//(NP- Order Not Placed)
iii) Object.Price=500 //(Price of the Share when it is Placed)
iv) Object.OrderID=4123 //(Insert/Delete Order with ID: 4123)
v) Object.MesSeqNum=5 //(Sequence Number)
Output String:
9=150’\001’39=P’\001’37=4123’\001’44=500’\001’34=5’\001’10=1

3) **Storing/Reading Orders at Exchange Server in/from .csv file.**

4) **Generating Random Inputs from Clients & Integrating whole Code .**

Proposed by: Pramod Yadav

P018) Project Title:

School Database

Description:

This project helps you to perform a few specific tasks related to maintaining a School Database. Using this system, a user can view the records saved in the School Database, add new records, modify/update a record, and delete a record. You are provided with a long list of unique IDs which can be used as the REGISTRATION number for each student.

Tasks:

Each of the following tasks should have a minimum of 5 - 8 subtasks (each with a corresponding function):

Note: By primary key, I mean that value should be unique.

a) **New Record:**
Subtasks:
View Records, create new record, find grade, find rank of the student, calculate annual fee, and so on**.**

b) **Search Record:**
Subtasks:
Search records by specific fields such as by name, search records by REGISTRATION number, search records by address, search records by class and so on.

c) **Modify Record:**
Subtasks:
Load records by primary key (REGISTRATION NUMBER in this case), modify the record by correcting fields, modify record by changing student's name, and confirm modification of record, update record and so on

d) **Deletion:**
Subtasks:
Load records by primary key (REGISTRATION NUMBER in this case), delete a specific record (delete the entry), View delete history by primary key, delete history, confirm deletion, and so on.

Proposed by : Pramod Yadav

P019) Project Title:

Medical store management

Description:

This project idea deals with making a fully functional program to handle the needs of a medical store. The UI can be compromised but this project will involve File Handling so that some of data could be saved and be used every time which is explained below with description.

Task:

a) Load basic data : This requires entry of data of admin, receptionist . A separate text file could be used to read and write data for this part which could be read in the start of program and updated at the end.

b) Load/ update /delete/search medicines : This is the heart of the project - The person should be able to store/ update/ delete/search the medicines locally in the program for processing by reading from file in the start and in the end store all the data in file. (medicine id is unique i.e. primary key)

c) Display the bills : The goal is to give options to customer about a particular disease which he is suffering from and then internally compute the medicines required for it . (1 medicine may be prescribed for many diseases) and more importantly each bill should have a unique number(primary key) which can be used for search. (reading from file may be included).

d) A login system differentiating Customer, admin, receptionist: UI may be compromised in this but main motive in this to present co-related data . An admin should be able to see all the transaction with customer name , sold by , what all was sold whereas a receptionist should be able to see only the latest 5 or 10 transaction(any number) of all customer whereas customer should only be seeing his bills.

Proposed By: Pramod Yadav

P20) Project Title:

Cinema Management System

Description:

This project helps you perform different actions related to cinema booking.Using this system the user can book a ticket from the list of available movies that is stored in a file. The movies have show timings,genres as well as rating to search as well as sort. The ticket can be canceled by the user.

Tasks:

1) Reservation:

Load bookings, Create new booking, View booking, Estimate Ticket Price, Apply discounts, get Estimate of taxes, Get Final Booking Price, Confirm Booking .

2) Search Booking:

Load bookings by Specific field, Search bookings by Name, Search bookings by Rating, Search booking by Genre, Search Bookings by show time.

3) Modify Booking:

Load bookings by primary key, View booking by specific key, modify the booking by applying discounts, modify booking by changing name, confirm modification of booking, Update Booking.

4) Cancellation:

Load bookings, Cancel a specific ticket (delete the node),Confirm cancellation, Update bookings, Cancel ticket.

Proposed by :Ch.Sai Manideep

P021) Project title:

Banking

Description:

In this project you have to design a replication of banking database.Here the key is the account number.This database will stores details of the account holders in a bank.The bank may have several branches.

Tasks:

Each of the following tasks should have a minimum of 5 - 8 subtasks (each with a corresponding function):

a)Load data

Loading data (account consists of account number ,personal details,balance,transaction history,branch name) from file

b)Make transaction updating balance

It is similar to transactions in the bank .Where you need to have a transaction id and details about between whom the transaction has took place.

c)Transaction history by account number

Display transaction history of the account number by taking account number as input.

d)displaying branch details

Branch details like no of persons in that bank,total zero balance accounts and some other details.

e)Calculating the interest

Calculating the interest and updating the accounts.

Proposed by: T.Sriramkumar

P022) Project Title:

Flights Database

Description:

This project helps you to perform a few specific tasks related to maintaining a Flight Stats Database. This database will have records of different types. Airports (Describing the details of airport like name, city, country, icao code, iata code etc.) Primary key can be Airport ID or icao or iata code. Airlines (Describing the country they belong to and details like code, abbreviation, etc.) Primary key can be airline id. Routes (Describing the starting and ending airports of flights and number of stops) Primary key: Routed ID Bookings (Store details of tickets booked using your application) Primary key: Reservation number

Tasks:

Each of the following tasks should have a minimum of 5 - 8 subtasks (each with a corresponding function):

a) **Book a ticket:**
   Subtasks:
   A passenger should be able to book a tick from Airport A to Airport B. Filter airports by country and city he chooses. Display available flights. Let the user choose.

b) **Filter airports:**
   Subtasks:
   Let the user choose whether he/she wants to display all the flights coming in /going out of their city. Filter the records according to their choice.

c) **Delete Flights:**
   Subtasks:
   Delete flights or airlines or routes entries based on user. Deletion of an airline means all their flights should be deleted from routes table too.

d) **Modify details:**
   Subtasks:
   Modify details of flights or airports. Changes should be confirmed and the changes you made should be reflected in other tables the use the same fields.

Proposed by: T.Sriramkumar

P023) Project Title:

Fast food chain management

Description:

This project helps you to perform a few specific tasks related to maintaining the management of one fast food chain with multiple branches.

The system will have the following tables:

Employees (Primary key can be unique employee ID, personal info and mainly the branch ID of the branch that person works in)

Branches (Primary key can be unique Branch ID and other details like the city, type, manager ID etc.)

Orders (Primary key can be unique Order ID, order details and city of order)

Tasks:

Each of the following tasks should have a minimum of 5 - 8 subtasks (each with a corresponding function):

a. Create a branch:

Subtasks:

Create a branch, assign a manager automatically (an employee who manages at least 1 restaurant but the least). Shift 10% workers from the heaviest branch to the new branch under the new manager.

B. Filter branch search:

Subtasks:

Let the user choose which city the user is from and show all the restaurants in the locality. You can filter it based on the type of restaurant the person is looking for.

C. Book an order:

Subtasks:

A user should only give the city he/she is from and what order he/she wants. Assign the branch ID from the city the person is from and change if the user wants a different type to deliver the order.

d. Delete a branch:

Subtasks:

When a branch is deleted all the employees shouldn't be deleted too. The employees should be redistributed equally among the rest of the branches in the city.

Proposed by Prasanth

P024) Project Title:

Weather monitoring system

Description:

A system that works on weather parameters such as Temperature, Humidity, Co2, Smoke and stores latlng along with them.

Tasks:

1. **Add data**

   Create appropriate structures and add data with parameters along with validation

2. **Sort data based on numerous parameters**

   Give user option for parameter(temp, hum, co2 etc.) based on which you have to sort records accordingly.

3. **Modify data(including search)**

   Given location and time, search and give records, and also an option for updating those values.

4. **Show data**

   Not just retrieving data, but also options like last week, last day, last hour etc.

Proposed by Prasanth

P025) Project Title:

Music player

Normal music player app, but lot cooler

Tasks:

1. **Add Songs**

   Add records to your structure(your choice) with all proper validations, should contain all primitive data like album, actors, rating, song name, singers, ...

2. **Delete Songs**

   Only admin can delete songs(implement admin). Find whether user is admin, and if yes give him option to delete songs given proper info.

3. **Login, Predict my favorite songs, and artists**

   Implement user login, and based on his history on your application predict his favorite songs, and favorite actors etc.

4. **Create weekly top 10 using all users data**

   Based on all users history create weekly top 10 playlist. Add anything if you want.

Proposed by Prasanth

P026) Project Title:

Election/Polling system

Tasks:

1. **Add nominees**

   Only users can become nominees, he has to nominate himself between some specified time.

2. **Take votes**

   User have to login and vote for one of the nominees and he can only vote for one of them(obvious)

3. **Show current state**

   Show current situation of election, also include manifesto of nominee beside his current status.

4. **Declare results**

   After specified time, disable functionality of users voting, and declare result.

Proposed by: Chandra Sekhar Vorugunti

P027) Project Title:

Online Property Sale Project

Description:

The main objective of this Online Property Sale Project is to provide access to the information about real estate agency. This project keep track of account details of buyer and investors. This project allows companies and builders to post and edit the properties of the information about real estate agency.

Introduction:

Online property sale is a web application. This Online Property Sale project provides a website to the users to access the information about the property to be purchased. This system maintains a centralized repository of all the information.

This system is an online real estate management through which individuals agents or buyers can maintains their property documents by keeping and managing the property registration. This system also allows access to its information and manages all the adding, updating and deleting the tasks.

This system organizes the data efficiently and this helps in streamlining the data display to the users. The system also allows the generation of reports based on different criteria.

Tasks:

User module:

A user can view the property details on display. A user can view various ventures currently in offering and corresponding details.

Sales module:

This module tracks and records details of each transaction. The details allow administrator to find the status of each property. The data can also be viewed by users.

Reports:

The system allows administrator to generate various reports based on different criteria such as customer data, venture data, sales data and property information.

Proposed by: Chandra Sekhar Vorugunti

P028) Project Title:

Social Networking Site For Social Responsibility

Abstract:

Social networking site is a Java based project which allows people to communicate, share ideas, text within the network. This system focuses on online communication. This system allows the users to promote social responsibilities like traffic rules, public hygiene, aversion etc,.

Introduction:

Social networking site is a well established web based final year project. This is developed to provide a website for people to communicate. people who wants to share their ideas.

Social networking site allows users to create profiles, share the information with friends. they can create the growing network information. Users once registered can establish their views about social responsibilities and made publicly as well.

This site provides a common platform for people of Indian where they can perform many activities related social responsibilities. like voice out violations, injustice, inhumanity, corruption happening in their vicinity and provides online debate or discussion on certain topics of broad applicability. The site can provide various measures for fellow citizens to rate, control and monitor the social responsibility of individual.

Objective: The objective of this Social Networking Site For Social Responsibility project is to explain and elaborate the concept of social networking by providing reliable and efficient communication among people on network.

Modules: 1.Admin:

Admin can view users, delete users, delete comments. Admin can handle this website.

2. User : User can register with this site. User can post about social responsibilities to make aware among the other users. They can get scoring based on the messages they send. They can invite the friends, view the friends, edit their profile.

3.NGO:NGO also register with this site. They take Action for the situation they see in the scraps.

Proposed by: Chandra Sekhar Vorugunti

P029) Project Title:

Online Grievance redressal System

Grievance redressal is a management and governance related process.

This system is online interface for users to communicate with administrative body and reduce the distance and time barrier between citizens and administration.

Introduction:

Online Grievance Redressal System is a Project which is created to bring transparency and flexibility in the administration system. This system is a online platform where people can share ideas, invoke discussion, issue complaints and create suggestion/petitions for the improvement of the city administration. This application is an automated process which is a user-friendly online interface for the users.

This application allows online communication with the administrator body. This application provides online platform where people can share ideas, invoke discussion, issue complaints, create suggestion/petitions for improvement of city administration It will create an online platform where people can share ideas, invoke discussions, issue complaints, create suggestions for improvement of city administration

Objective:

The main objective of this online grievance redressal system is it provide an online interface between the users and the administrator. This system also encourages the users to bring transparency and flexibility in system.

Modules:

Administration Module:

Creates and monitors accounts of authorities. Filters the content reported as handle threats. Handle complaints about improper response by municipal authorities.

User Module:

User should be able to create new account, log in to their existing accounts which will give them the authority to use the services provided by the system. Authenticated users should be able to issue complaints, check complaint status, submit feedback through other complaints and their feedback. Authenticated users should be able to create suggestion/petitions, other users can support or make suggestions for petitions forward petitions to corresponding authority for possible implementation.

Officer Module: Officer authorities can log-in to their accounts as created by administrator. Authorities can access all the complaints, suggestion form user. Invoke proper activity in Response to valid complaints, or redirect inappropriate complaints to the administrator. Give response to complaints with activity reports.

NGOs Module: NGO can form user groups similar to other users. NGO's can publicize their Social causes on the site.

Proposed by: Abhay Narayan

P030) Project Title: Telecom Billing

Description:

Telecom billing management system help to find the telecom industry to keep themselves updates with customer regarding their due and payment status.

Tasks:

m) **Add Records**

(Name, Mobile Number, Address, Last Use):This sub-function stores the new datarecord or new customer taken connection of the Company.

n) Show all records

o) Search Record Based on Mobile Number.

p) View Payment Status of the Number.

If number is defaulter then automatic message is generated to inform the customer regarding defaulter.

Q) **Delete record if it is not in use from last three months.**

Proposed by: Abhay Narayan

P031) Project Title:

Cricket Match Data Management

Description:

This project stores the match summary of the cricket match played on the date between two teams. When cricket match is played between two team which has 11 player from each team.

Tasks:

m) **Insert Cricket Match data** like (Match Date, Team Name1, Team name2, Place, Score, Team Win /Loss, Win by run, Trophy Name) this sub-function stores the details of cricket match information.

n) Insert Player data: In this insert playing eleven of two team member with run, team name and Trophy Name.

O) Search player scored more than 100 runs from winner team and bowler taken maximum Wicket.

P) Series and Man of the Match record: Store player name got man of match, Store Player Name got Man of the Series followed with series name.(Trophy Name).

Proposed by: Abhay Narayan

P032) Project Title:

Project Management System

Description:

When a company has is allotted with the project. The company allocate the person on the work. These person are either working on the other project or a fresher employee who is allotted with the single project. It might me chances that a particular may me appointed as a manager of the project and he is also managing other project.

Tasks:

m) Insert record of Project (Project#, Project Name, Department, Project Manager, start date, End Date).

n) **Insert Employee Related to Project#.:** This sub function hold the information of employee working on the particular project. This information holds the employee id, employee name, Department name, where an employee id is associated with the single employee.

o)**Display Information of Project#.:** This sub function will display the information related to project # . This information hold information like project name, Project#, Department to which project belongs, Manager name, Employee id of employee working on the project.

p) **Display the number of Project Handle by Department With Department name "xyz";**

Q) Display name of Project Handle by a Project Manager.

R) Display name of Employee who is involved in different project and name of employee working on single project.

Proposed by P Y K L Srinivas

P033) Project Title:

Medical Billing System:

This system will help the customer what medicine are available in store and how much profits we are able to get annually. what is the new medicine we can add in stores based on customer demand

Task one:
adding medicine profile into the system
medicine name:
medicine number:
medicine company:
Medicine price:

Task two:
Billing the purchased medicine
Customer Name:
Customer id:
customer Phone number:
medicine number:
Medicine name
Quantity:
price:

Task three:
Show the statistics of sold medicines and profits and loss annually

Task four:
Your system should able to predict which all customer are going to come and what medicines they are going to take.

Proposed by P Y K L Srinivas

P034) Project Title:

Recommended System

This system should able to extract keywords from the given text ("text can be sample information about some advertisement"). need to show whose profile are the match for given text information and why.

Task one:
Create social profile of a user
Name:
ID:
DOB:
Schooling:
Collage
Interested in:
hobbies: games, singing, dancing, adventure, reading books etc(Create sub groups and other hobbies)

Task two:
Creating advertisement profile:
advertisement name:
advertisement id:
advertisement information:(used for prediction. To which user profile this information can be foliated)

Task three:
Need to show for particular advertisement profile which user can be targeted.
Input: advertisement id or name:
output: user name

Proposed by: S H Shabbeer Basha

P035) Project Title:

Time Table Generation

Description:

When you make a class time table, you must take into consideration many requirements (number of faculty, students, classes and classrooms, size of classroom, laboratory equipment in classroom, and many others). These requirements can be divided into several groups by their importance.

Task 1: Faculty

1. No faculty can have more than one class at a time.
2. Preferred time of class by faculty. (morning hours)
3. Preferred classroom by faculty.(AC, projector, marker, etc.,)
4. Faculty need to audit some interested courses. (at most 2).
5. Faculty data maintenance.

Task 2: Students

1. No student group can have more than one class at a time.
2. Distribution (in time or space) of classes for student groups or faculty.
3. Students may take courses as per their interest.
4. Maximum allowed strength(including faculty) for any class is 80.
5. TAs availability

Task 3: Classroom

1. A class can be placed only in a spare classroom.
2. A classroom must have enough seats to accommodate all students.
3. To place a class in a classroom, the classroom must have laboratory equipment (computers, in our case) if the class requires it.
4. Class information maintenance

Task 4: Course

1. Duration required
2. Area specific faculty needs to take the course
3. Any remedial or makeup class is required or not based on the course(at most two courses and one hour per each such course)
4. Library hour and sports hour (with some constraints) and Day constraint
5. Project hour(with constraint)

Final output

One week time table for all the six days (Monday to Saturday)

Proposed by: S H Shabbeer Basha

P036) Project Title:

Banking Record System

Description:

Banking Record System is a simple database project in C. It is done using file handling mechanism in C. The record of the customer can be added, updated, searched and deleted. It is simple project made using console application of C. This means, no graphics component are added. The main target user of this project are the C beginners who want to make the project in C and especially those who are interested in File handling. This projects is complete package to learn how to use file as database.

Task 1:

1. Customer Registration (Account Number, Name, Age,etc.,)
   (Initially some values might be empty WOL of semanticity).

Task 2:

Account Updation

Email update

Mobile number update

(eg. Customer wants update email)

Task 3:

Transaction history

Searching

(eg. search database to find all customers with name "ABCD".

Task 4:

Deletion

(eg. Removing account by providing the account number)

Proposed by: S H Shabbeer Basha

P037) Project Title:

Finding Earliest arrival time in private transportation network

Description:

Finding Earliest arrival time is an interesting problem in transportation networks. It is defined as given some starting point, start time and destination how early you can reach the destination.

Temporal graph G = (V,E,t,d), where where V is the set of vertices, E is the set of directed edges, t is start time and d is duration required to reach u to v where (u,v) is a directed edge.

1. Finding Latest departure time
2. Finding a journey with minimum transfers
3. Finding shortest path
4. Finding earliest arrival time with less transfers

Proposed by: Vaishali Sharma

P038) Project Title:

Spam / Ham classification

Description:

The system needs to classify emails as spam or ham based on some blacklisted words. The blacklisted words can also have weights like "credit cards" can be assigned a higher weight than words like "free". An email can be classified as a spam based on the density of the keywords in the blacklist.

Task 1:

Separate the words or phrases in the email. You should avoid eliminate punctuation marks, non-content keywords like 'The', 'an', 'is', 'a' , 'we' etc.

Task2:

Create a list of blacklisted words and store them in a data structure which supports fast storage, retrieval and deletion methods. You can also give the user the facility to add , remove any blacklisted words. You have the flexibility to design the structure for your blacklist words (word: ..., weight:.....) as you wish.

Task3:

Find the density of the blacklisted words in the email and tell if it is a spam or not.

Proposed by: Vaishali Sharma

P039) Project Title:

Hardware Components Management System

Description: The system keeps records of the all the hardware components, their quantity, make etc. It should also store the details of the students who have been issued the components along with component details. There should be a feature to store information about the hardware components to be ordered, the quantity, the company to be ordered from etc .

Task1:

Store the details of the available components with a feature to add, delete, modify the details.

Task2:

Implement the components issue part of the system. The system should also be able to generate the deadline when the components are to be submitted.

Task3:

Implement the 'components-to-be-ordered' part.

Proposed by P Y K L Srinivas

P040) Project Title:
Supermarket Billing System:

This system will help the customer what product are available in store and how much profits we are able to get annually. what are the new product can be add in the stores on the bases of customer demand

Task one:
adding product profile into the system
product name:
product number:
product company:
Product price:
More details can be added based on the requirement

Task two:
Billing the purchased product
Customer Name:
Customer id:
customer Phone number:
product number:
product name
quantity:
Price:
Other requirement:
Task three:
Show the statistics of sold products. In such a way which show the detail of which product is sold more and which are not sold.
Which product are sold more month and season wise.

Task four:
Your system should able to predict which all customer are going to come and what product they are going to take.