**COMPUTER PROJECT SRS**

Batch no:621

Department :M.Sc Chemistry

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**INTRODUCTION**

A **club** is an association of two or more people united by a common interest or goal. A [service club](http://en.wikipedia.org/wiki/Service_club), for example, exists for voluntary or charitable activities; there are clubs devoted to hobbies and sports, social activities clubs, political and religious clubs, and so forth.

**PROBLEM DEFINITION OF OUR PROJECT:**

In this project we have attempted to make an application software , which deals with the management and functioning of a club. Clubs all over the world offer various lubricating options to their valued customers to become a member of their club so that the members can have a nice time with his family during their free time.

The work among us had been divided by making four subgroups. These are described as follows:

1. **Group 1:**

**YASH PATEL**

1. **Group 2:**

**S.VENKAT LATA**

1. **Group 3:  
   SANTANU MALAKAR**

**PAHUL PREET SINGH GULATI**

**PIYUSH JAIN**

1. **Group 4:**

**SHAZ ALI**

**PRANAY**

The interface will be completed once the four groups have completed their individual work.

**FUNCTIONAL SPECIFICATIONS**

The individual introductions of these follow:

1. Group 1(Yash Patel) :

He has been assigned the work to write down the code for the apply function “void apply( );” for the application of membership by the customer. This consists of taking the necessary input from the customer about his first and last name, address, sex, age, etc.

He has to check the inputs according to certain rules and regulations. And if the inputs are true then the function read\_rec( ) is called which writes the record at a specified place with a membership number given to the customer. It also includes setting the datamember of the structure member to be -: ‘1’ for active ,that is, the record has been written .Depending on his membership he will have to make different payments. Also ,the member is given his membership number so that whenever he wants to access his account he can do it using it. This function allows the customer to choose between two memberships such as:

1. Memberships without trips:

This kind of membership includes the fun that the member can have at the various clubs all over India. The member can book rooms at various outlets for his stay , can also use the club facilities such as swimming pool, gymnasium, spas, hunger burster restaurants which would serve delicious cuisines according to the member’s demand. It costs the member around Rs-70,000/- per year.

1. Memberships with trips:

This kind of membership along with the fun that the member can have at various outlets of the clubs , also provides the member with the joy of tripping to different parts of the world along with his family to different parts of India for a specific period which will be decided by the club administrators. This membership costs around Rs-1,00,000/- per year to the member.

1. Group 2(Venkat Lata):

She had been assigned the work to write down two functions:

1. read\_rec( ):

This function writes down the record in the binary file called “db\_members” when the customer confirms that he wants to apply for the membership. When the customer confirms that he wants to apply for the membership, the apply function gives a call to the function read\_rec() which writes down all the details of the customer in the file so as to create a database of the members.

1. view( );

This function displays the details of the member who wants to see his account. This function has to be given the membership number as its parameter, so that the FILE pointer can go through the whole database of members and retrieve the information regarding that member.

1. Group 3(Santanu Malakar, Pahul Preet Singh Gulati, Piyush Jain) :

This group had been given the work to write down the delete function which deletes a record from the database file. This function requires the membership number of the record to be deleted as its parameter. It includes searching the record from the database file ,and if the record exists, then setting the datamember of the structure member to be -:‘0’ for the record to be unactive , that is , the record has been deleted. This also provided us with the option to write a record of another customer at that place and again set the datamember to be 1.

1. Group 4(Shaz Ali, Pranay) :

This group had been given the work to write down the main function . It included writing the code to display the functions that the user can choose. The user will have the choices to enter if he wants to apply for membership , view details, camcel membership ,etc. So depending on the choice of the member ,this function will input the choice from the user and call the corresponding functions.

**DESCRIPTION OF DATA (INPUT/OUTPUT)**

In general, Input and output are standard and as expected, with slight modifications from what might be seen by the user. These have been specified as follows:

Input:

The input is taken by the keyboard(and if possible then by the mouse- explained later).The inputs comprise of the user telling the computer the details which he/she wishes to see or the functions he/she wants to call.

Output: the output comprises of display on the monitor according to the function called by the user.

**USER INTERFACE REQUIREMENTS:**

In general, the project has been designed to take most of the responses from the keyboard. But if the team is able to complete the coding part in time and we have time then we will try to make the project as attractive as possible by using raphics from EZWINDOWS. The specific requirements have been detailed as follows:

1. The main inputs from the user will include the details he/she will have to fill if the user wants to be the member of the club.
2. The inputs will also include the choices that the user enters on the main menu , i.e , the user will hav the choices to see about the club, things to do at the club outlets, etc.

**INTERFACES TO OTHER SYSTEMS**

The project that we have made uses the interface of the EZWindows library extensively. This is done essentially in order to make the Graphical User Interface of the Project. Apart from this, this project neither uses resources nor interfaces from other predefined systems, nor has any well-defined applications to existing systems. These, however may be established in the future by making suitable modifications to the program.