

**MEMBER ADMINISTRATION AND CONTROL TOOL**

**PROJECT WORK DONE AT  
iPOWER SOLUTIONS INDIA LIMITED, CHENNAI.**

**PROJECT REPORT**

SUBMITTED IN PARTIAL FULFILLMENT OF THE  
REQUIREMENTS FOR THE AWARD OF THE DEGREE OF

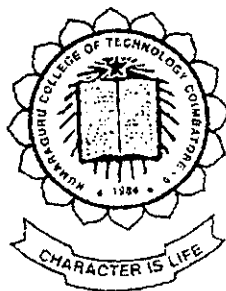
**MASTER OF COMPUTER APPLICATIONS**  
OF BHARATHIAR UNIVERSITY, COIMBATORE.

SUBMITTED BY

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Reg. No: 9938M0608

GUIDED BY

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Department of Computer science and Engineering  
**Kumaraguru College of Technology**  
Coimbatore – 641 006  
May 2002

**CERTIFICATE**

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**Department of Computer Science & Engineering**  
**Kumaraguru College of Technology**

(Affiliated to Bharathiar University)

Coimbatore – 641 006.

**CERTIFICATE**

This is to certify that the project work entitled  
**MEMBER ADMINISTRATION AND CONTROL TOOL**


Done by

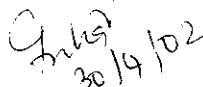
**P. JAYAPRAKASH**

**Reg. No: 9938M0608**


Submitted in partial fulfillment of the requirements for the award of the  
degree of


Master of Computer Applications of Bharathiar University.

  
Professor and Head *30/4/02*

  
Internal Guide *30/4/02*

Submitted for the university examination held on 10.5.2002

  
Internal Examiner *10/5/02*

  
External Examiner

**To whomsoever it may concern**

This is to certify that **Mr P. Jaya Prakash, M.C.A (Final Year)** of **Kumaraguru College of Technology** has successfully completed his project work titled '**Member Administration and Control Tool**' under our guidance.

He carried out this project during the period of December 2001 to April 2002.



**B. Venkatesh**  
GM-Operations

April 11, 2002


April 11, 2002

To  
**The Head of the Department**  
Computer Science Department  
Kumaraguru College of Technology  
Coimbatore – 641 006.

Dear Sir/Madam,

As we are bound by the conditions of the agreement with our client, we are unable to release the source code. We are ready to give full support to **Mr. P.Jaya Prakash**, who completed this project. Wishing success for his future endeavors.

With Sincere Regards,



**B. Venkatesh**

GM-Operations.



## DECLARATION

I here by declare that the project entitled **MEMBER ADMINISTRATION AND CONTROL TOOL**, submitted to Bharathiar University as the project work of Master of Computer Applications Degree, is a record of original work done by me under the supervision and guidance of **Mr. B. Venkatesh**, General Manager-Operations, iPower solutions India Limited, Chennai and **Mrs. V.Geetha MCA**, Senior Lecturer, Department of Computer Science, Kumaraguru College of Technology, Coimbatore, and this project work has not found the basis for the award of any Degree/Diploma/Associateship/Fellowship or similar title to any candidate of any University.

**Place: Coimbatore.**

**Date: 10.5.2002**

*P. Jayaraj*  
**Signature of the Student**

**ACKNOWLEDGEMENT**

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## **ACKNOWLEDGEMENT**

I express my profound respect and sincere gratitude to **Dr. K.K. Padmanabhan, Ph.D.**, Principal, Kumaraguru College of Technology, Coimbatore, for his kind co-operation in allowing me to take up this project work.

I record my sincere thanks to **Dr. S.Thangasamy, Ph.D.**, Head of the Department, Computer Science and Engineering, Kumaraguru College of Technology to take up the project at iPower Solutions India Limited, Chennai.

I wish to extend my gratitude to **Mr. B. Venkatesh**, General Manager-operations, iPower Solutions India Limited, Chennai for allowing me to carry out the project work at iPower Solutions India Limited and guiding me in completing the project successfully.

I am greatly privileged to express my deep sense of gratitude to my guide **Mrs. V. Geetha MCA.**, Senior Lecturer, Dept. of Computer Science and Engineering, Kumaraguru College of Technology, Coimbatore, for her valuable advice and encouragement.

**P.JAYAPRAKASH**

**SYNOPSIS**

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## **SYNOPSIS**

This project is undertaken for iPower solutions who are direct clients to NF (Nigel Freeman). They undertake application development, e-business and Telecommunication and Networking projects.

This project entitled **MEMBER ADMINISTRATION AND CONTROL TOOL** is an Internet based application project undertaken for Nigel Freeman.

The purpose of this project is to train people to become members of Nigel Freeman. The procedure is as follows, members have to subscribe to Nigel Freeman on an annual basis through an online application form.

The project consists of two modules:

**Nigel Freeman membership ID creation and  
Nigel Freeman services.**

### **a) Nigel Freeman Membership ID creation**

The company maintains a NF Server. Once subscription is made, amount is transferred to the firm NF Server takes a note of this and automatically generates a unique ID, which is given to the new subscriber who becomes a member of Nigel Freeman. This ID entitles him to have an account on the NF Server where by he can store his picture/video files. This in turn becomes a library or storehouse for Film Ad Producers who can browse through the contents on the NF Server and select models based on his requirements. They are entitled to have full rights to view the details about model subscribers and in turn offer employment to the members.

## **b) Nigel Freeman Services:**

The Other Features included are:

### **❖ Chatting:**

Members can converse with each other online and also with the company administrators.

### **❖ Automatic remainder Service(ARS)**

This service provides a remainder to members of important events scheduled for later dates.

### **❖ Posting messages**

Once a week a question on current affairs and general knowledge is posted on the NF Server bulletin board Members can log in and answer to the question giving their email address.

### **❖ View Profile**

Members can view their profile online.

### **❖ Update profile**

Updation of profile is done through this service.

### ❖ **Membership transfer**

Membership is on an annual basis. In the event that a member has not used his membership for the full duration he can transfer his membership or account for the remaining period to a third party.

### **The system is developed using**

- Personal Web Server and Internet Information Server
- Active Server Pages
- HTML
- Java Script and VBScript
- SQL Server

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## INTRODUCTION

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# **1. INTRODUCTION**

## **1.1. PROJECT OVERVIEW**

**‘Member Administration and Control tool’** is an application used for modeling people to get a job via the Internet. The application provides services to members of NF Server through a Web browser. The objective of this project is to store picture/video files in NF (Nigel Freeman) server, the Film advertisement producers view these picture/video files.

This project has two sub-modules. **NF id creation** and **NF Services**.

Any user can become the member of NF Company by registering their details in the NF site and paying a membership fees. The membership amount transferred from the member’s account to NF Company account is taken care by third parties. NF Company suggests a third party’s site for amount transfer, which is given in the NF web site itself. NF id is created and given to the modeling people only when NF Company receives the amount by online. The duration of this membership is one year.

NF Services provides various basic services and extra features to the NF Members.

### **These services includes:**

- Chatting.
- Automatic Reminder Service.
- Posting Message.
- View profile.
- Update profile.
- Membership transfer.

The Members themselves interact with each other using the chatting facility. They can also interact with system administrators.

When models become member, the Reminder page service list out all the dates for one year from the membership date. Models can enter details of events and the dates they want to be reminded. They can also specify the dates on which they want to be reminded. Reminder page service reminds the models twice before the date of the event.

The Member can view their profile using the view profile service. They can update their profile and also transfer their membership to another person. Once the membership is transferred, the existing member cannot access the database of NF Server. The picture/video files of existing member is deleted permanently. And the duration for the new member is same as the existing member. The NF id is given to the new member through Email. These services also included in the NF Service.

Members can also interact with the NF Company at the feedback section where they can give their views by sending the comments to the NF Company through feedback form.

Chapter 1 deals with Project overview and organization profile.

Chapter 2 deals with how the proposed system differs from existing one, new requirements for proposed system and user characteristics are explained.

Chapter 3 deals with Programming environment needed for running the proposed system are explained.

Chapter 4 deals with design of new system include Input Design, Output Design, Database Design and Process Design.

Chapter 5 deals with implementation of proposed system and proposed system testing are explained.

## **1.2. ORGANIZATION PROFILE**

### **Vision**

To serve customers with economical and quality IT solutions through their offshore development methodology"

Driven by technology, they adapt to technology changes and provide best of the technology to their clients. They are committed to provide best solution to their clients that ensure a sustained growth of the organization.

They are one of It solutions company who are able face challenges to develop a corporate Information Technology strategy having the attributes like technological foresight, ever learning ability to grasp the new technological concepts and the Information Technology dynamism.

### **Partners**

The company is powered with the latest exciting buzzword that gears people into the world of Internet. As part of their pioneering efforts, today they have close interaction partnering with:

CyberMidi, USA  
PeopleConnect, UK  
Gpwr, USA  
Satyam Infoway, India  
Campus Mess, USA  
Stellar Trading, USA

Tecsol, Singapore  
Globe Soft, Singapore  
BAI-TEC, Germany  
E-novasoft, USA  
Pro-nexus llc, USA  
Kochumveda, Sweden

## **Clients**

In association with eminent Indian and international clients, they have delivered customized business solutions. To be on par with other companies and to keep pace with the new technologies iPower constantly upgrades its skills.

Rescom Business Services Ltd, UK  
Kilbourn, USA  
GV Films, India  
Alpenland, Germany  
Element2, UK  
MPLA, India  
EAngels, Singapore  
GE Power Controls, India

Eteam Inc, USA  
Income Tax Dept, Chennai, India  
CyberMidi, USA  
AllBeatles, USA  
Nitco Tiles, India  
Maakers, India  
PeopleConnect, UK  
Hindustan Motors, India

## **Carriers**

iPower believes in teamwork and respect innovators and team players. They have respect for the People, recognition for Expertise and reward for the Contribution.

The work environment at iPower offers the best of all worlds: focused and driven, yet casual and energized. iPower encourage employees to be think-out-of-the-box, so to say and offer an upward path for long-term growth and career development. The team-driven environment supports productivity.

## **Application development**

iPower provides custom application development using modern development environments, methodologies and technologies. They analyze and understand your business and corporate culture then provide you with the most appropriate solutions.

iPower trains your users and partners with you to provide maintenance, upgrades, functions additions and modifications.

## **e-business solutions**

iPower has worked with the Internet since our inception in 1997, and they have provided web-consulting services since 1997. Whether you need to develop your first Internet site, build a corporate Intranet, launch a rich and complex e-commerce site, open an online auction, or tie your legacy applications to the Web, iPower can help.

## **Technology strategy**

iPower partners with you to develop and implement the right technology strategy for your company's long-and short-term objectives. Although your company vision remains consistent, technology and the rules for success constantly change.

A well-designed, scalable, and flexible technology strategy enables you to adapt to changes and gain a real competitive advantage.

## **Telecommunication & networking**

As an infant telecom & networking department covering areas like SNMP agents, SNMP Managers, MIB Browsers, SMS Gateways.

They have professionals with rich experience in the areas of wireless communication, optical communication and IP/IPX bridging, routing solutions

## **Professional service**

Professional Services is comprised of iPower Technologies Implementation and Business Consultants.

Their consultants can offer the following services:

- Software Implementation
- Business Process Review
- Project Management
- Application Integration
- Opportunity Assessment
- Management Consulting

**SYSTEM STUDY AND ANALYSIS**

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## **2. SYSTEM STUDY AND ANALYSIS**

System study may be broadly defined as encompassing the following areas

### **i. Existing system**

If a system already exists, it present system is analyzed in broad light to uncover the flaws in design in case of faults or improvements or enhancements to be made due to changing requirements.

### **ii. Proposed System**

is defined as the design of a new system or improvements made to the existing system to meet requirements.

### **iii. Requirements of new system**

It is defined as what the new system should actually do

### **iv. User Characteristics**

The basic knowledge required in terms of know how and tools required.

## **2.1 EXISTING SYSTEM**

The existing system followed is totally off related to computers. It does not incorporate any advantages of computerization, as the whole process is manual. This means that Film Ad producers in search of fresh blood have to advertise through media and arranging for personal interviews with the eventual results being unsatisfactory and time consuming.

## **LIMITATIONS OF EXISTING SYSTEM**

The existing system uses a manual system for most of the process involved. Modeling people can get the details about the job through advertisements, friends, etc.. Manner. So this system has following limitations.

Film advertisement producers advertise their requirements through paper, television, and magazines or any other media. This information may not reach to modelers.

Eligibility and performance are not known in advance. The Film advertisement producers know it at the time of interviewing the modelers.

Advertisement through some other media like television, papers covers only limited areas.

Film ad producers cannot get more number of persons at a time. So sometimes the requirements are not satisfied.

Cost involved in this system is very high for both modeling people and Film advertisement producers.

The time involved in the existing system is very high.

These disadvantages of the existing system have led to the development of new system using digital technology, which gives greater accuracy, higher speed and larger scale of availability.

## **2.2. PROPOSED SYSTEM**

The proposed system system removes disadvantages of manual system such as time saving, cost saving, cost saving, identification of potential talent, conducting of online interviews. It also provides extra services in the form of chatting, Automatic Reminder Service, View profile, Update profile, Membership transfer.

### **Functions of Proposed System:**

Any user can become the member of NF Company by registering their details in the NF site and paying a membership fees. The membership amount transferred from the member's account to NF Company account is taken care by third parties. NF Company suggests a third party's site for amount transfer, which is given in the NF web site itself. NF id is created and given to the modeling people only when NF Company receives the amount by online.

### **NF id creation:**

Any user can login into the NF website to become the member of NF company. Initially the home page displays the details about the NF Company and procedure for registering in NF site.

The home page itself displays help and demo for new users. Using this they can clarify their doubts.

For registering in NF website, it asks personal details like name, password, email id, state, zip code etc details from the user. Once all the details filled by the user are valid it switches to next page.

The next page displays the rules and regulations for amount transfer through online. Once the user accepts all these details, it opens another page for amount transfer to NF Company. And these details are submitted to the third parties, whose function is to get the full details from any user, viewing their account details in the specified bank and transfer of amount. And provides proper messages to the current page.

Once the amount is transferred, the third party provides the status of the action performed. If the status of action performed is valid then NF Server automatically generates a unique id for each member.

Whenever the NF id is generated, the NF Server automatically allocates some amount of memory in its storage. Using the NF id the member can upload their picture and video files in the allocated memory area.

### **NF Services:**

The NF Company provides the following features to the NF Members:

- Chatting.
- Automatic Reminder Service.
- Posting Message.
- View profile.
- Update profile.
- Membership transfer.

## **Chatting:**

The chatting room can be created at any time. Chatting facility enables members to exchange their ideas and views with each other and also with System administrators.

The list of administration people and the current members are displayed in the chat room itself. It has two addresses namely from address and to address.

The member can select any of the recipients, which are highlighted in the chat room. The member can also save the conversation, which took place between him and other member or administrator.

At a time a member can chat with any number of people.

## **Automatic Reminder Service(ARS):**

**The ARS has the following details:**

### **Description:**

Using this field the member can enter a brief description of the event to remind.

### **Event Schedule:**

Using this field the member can select the month, date and time of reminding.

### **Warning Reminders:**

This field is used to store the month, date and number of times of the warning reminder.

### **Additional notes:**

This field is used to store additional details to be reminded when the event occurs.

## **Posting Message:**

### **Functions of posting message are listed below:**

The question of the week is displayed in the top of the page.

If the member knows the answer then he/she can type his/her name and email-id in the box at the given page.

There is a multiline textbox is given in the website to type his/her messages and it is stored in the global area of NF Server.

If a member's posted message is approved by the selection committee, the member is informed through Email and various gifts and free greeting cards to that particular member are supplied. The questions are updated once in a week.

## **Membership Transfer:**

If the members don't want to keep his account, he can transfer his account to another person, by typing all the field values:

Old\_Member\_Name,Password,NF\_Member\_ID,Date\_Of\_Transfer details are verified in the Database, if all the details are correct then the new Page for entering all the new users Registration page is opened and which are filled by the new user are stored in the database and the details of the old member are deleted from the database.

Once the membership is transferred, the existing member cannot access the database of NF Server. The picture/video files of existing member is deleted permanently. And the duration for the new member is same as the existing member. The NF id is given to the new member through Email.

### **Updating the profile:**

To update the profile from the NF database, the member is supposed to type all the necessary field values, which are present in the Update profile page.

Once the user enters correct values for all the fields, it automatically updates all the fields in the database.

### **View Profile:**

To view the profile of the member first it asks the NF\_Member\_ID and username and password to access the details. If all the validations are correct, it displays the requested details.

### **2.3. REQUIREMENTS OF NEW SYSTEM**

The e-commerce facility has been set up by the organization for their transactions. The system has been designed in order to overcome the limitations faced by the existing system and hence should possess the following features.

- This system requires third parties in order to transfer amount by online, from the user account to NF Company account.
- This system should enable communication between both the member and administration. The members can also communicate themselves.
- It should help in increasing the members of the NF Company at a lower cost. The only cost involved during the transaction is for the Internet connection, which is very less compared to that involved in the case of manual transactions.



## **2.4. USER CHARACTERSTICS**

The system has been designed as a very easy to understand point-and-click interface system.

The user using this system should possess the following knowledge

- A fair knowledge about the Internet and the service providers is needed for operating system.
- The user should know about the business to consumer transaction system and the order in which the transactions take place.
- He should also possess knowledge about the various terminology involved in the transaction that involves signing up, account transfer.

**PROGRAMMING ENVIRONMENT**

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### **3. PROGRAMMING ENVIRONMENT**

#### **3.1. HARDWARE CONFIGURATION**

- ✓ Intel 486 & above.
- ✓ 16MB RAM.
- ✓ 1GB HDD.
- ✓ Cache Memory 512 KB.
- ✓ Telephone lines for communication.
- ✓ Network interface card
- ✓ A Modem.

#### **3.2. SOFTWARE CONFIGURATION**

- ✓ Windows Operating System.
- ✓ Netscape communicator 4.5 or Internet Explorer.
- ✓ SQL SERVER.
- ✓ PWS/IIS.

## **DESCRIPTION OF SOFTWARES AND TOOLS USED**

The software used to develop the proposed system is as follows:

- **Active Server Pages**  
Internet tool used for web publications.
- **Hypertext Markup Language**  
Internet tool used for web designing.
- **JavaScript & VBScript:**  
Scripting Languages used to run client side events.
- **Personal Web Server**  
Web Server used to satisfy client side requests.
- **SQL Server**  
Database used to store values.

## **ABOUT OPERATING SYSTEM**

Windows 98 is a 32-bit, preemptive multitasking operating system that belongs to the Microsoft Windows family of operating system products. This operating system is being used in the project for the following reasons.

Windows 98 Server is enabled to work as a network operating system. Unlike previous versions of Windows, Windows 98 really is a complete, true operating system in itself, not relying on Dos for lower level function. When computer with Windows 98 starts up, it starts immediately in Windows 98.

Windows 98 is a 32-bit operating system with a graphical interface. It is not a revision of any of the other Windows operating systems such as Windows for workgroups 3.x, but rather an entirely new operating system.

### **The feature provided includes**

**Portability:** unlike most operating systems, Windows 98 can run on a variety of platforms. This flexibility can be a great advantage when implementing a computer strategy for an organization.

**Multitasking Operations:** From the perspective of the end user, multitasking means that different type of applications can run simultaneously. While the user is working on one application can be running in the background.

**File Systems:** Windows 98 supports a variety of file systems, including FAT, NTFS and VFAT.

**Security:** Windows 98's security features such as a mandatory logon procedure, memory protection, and auditing and limited network access have been developed.

**Support for many clients:** A wide variety of clients can serve as workstation on a windows 98 network such as Windows 3.x, Windows Workgroups, MS-DOS, Windows-NT Workstation.

**Storage space:** Windows 98 supports a virtually limitless amount of memory and hard disk space.

**RAM:** Windows 98 supports 4 gigabytes.

**Hard Disk Space:** Windows 98 supports 16 hex bytes.

## **Reasons for selecting Active Server Pages:**

The ASP is a technology for building dynamic and interactive web applications. The primary difference between ASP and the other new generation technologies mentioned is that ASP must be executed on the web server, while the pages generated by other technologies are interpreted by the browser (or client). And the advantages that ASP makes us to choose for our project, is that,

- **Simplicity and speed:** it is very simple and speed over the CGI and Perl.
- **Browser Independence:** The ASP portion of a page runs on the server and sends only results to the client independent of the browser that is used by the clients.
- **Active Server Objects:** There are five Active Server Objects, each of which deals with a specific aspect of interactivity and are intended to simplify browser and page control.

## **Reasons for selecting Hyper Text Markup Language**

Hyper Text Markup Language (HTML) is a collection of platform independent styles that define the various components of World Wide Web (WWW) document. HTML documents are plain-text files that can be created using any text editor.

An element is a fundamental component of the structure of a text document. Some examples are *heads*, *tables*, *paragraphs* and *lists*. To denote the various elements in a HTML document you should use tags. Some elements may include an attribute, which is additional information that is included inside the start tag. HTML is not case sensitive.

For passing the value from client side to server side we use HTML forms tag. The form can contain interface elements such as text fields, buttons, check box, radio buttons, and selection lists that let users enter text and make choices.

Forms uses two types of methods one is “post” and another is “get”. We pass the value into ASP file using the ACTION method. The input values are taken into asp file for processing at the client side. Sometimes JavaScript is also used in the HTML file for more efficiency.

### **Reasons for selecting JavaScript and VBScript**

JavaScript and VBScript is an easy to use object-script languages designed for creating live online applications that link together objects and resources on both client and server. These languages are designed for use by HTML page authors and enterprise application developers to dynamically script the behavior of objects running on either a client or server.

### **Reasons for selecting Personal Web Server**

#### **And Internet Information Server**

#### **PWS:**

Microsoft Personal Web Server is a desktop Web server that makes it possible to publish personal home page and share documents on the corporate network. PWS can be used as a development-staging platform before uploading a site to an Internet provider. It also makes documents available by Web browser from corporate Intranet. Browser can be used to preview a site before uploading, to see how it looks and functions when served. PWS makes a great platform for testing a site before hosting it on the Company server, or on an Internet Service provider. It also includes check links, forms, scripts, and applications to be sure they display and function correctly.

## **IIS:**

Microsoft's brand of Web server software, using Hypertext Transfer Protocol (HTTP) to deliver World Wide Web documents. It incorporates various functions for security, allows for CGI applications, and also provides for Gopher and File Transfer Protocol (FTP) servers.

## **Reasons for selecting SQL Server**

- SQL server is a client/server Relational Database Management System (RDBMS) that uses Transact-SQL to send request between a client and SQL Server.
- SQL Server can run on Windows 95/98, Windows NT workstation 4.0 or later, Windows NT server 4.0 or later.
- SQL Server Integrates with Windows NT and hence takes advantages of many of its such as its Security features, SMP features, Event viewer, Performance Monitor, Cluster Server.
- SQL Server integrates well with Microsoft Back office products.
- MS DTC is a transaction manager. MS-DTC service allows clients to include several different sources of data in one transaction.
- The Microsoft Search Service is a full-text engine that runs as a Windows NT service.
- Each SQL server has two types of databases. They are system database and user database. System database stores information about SQL as a whole. User database that users create.



**SYSTEM DESIGN AND DEVELOPMENT**

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## **4. SYSTEM DESIGN AND DEVELOPMENT**

It is defined as detailed concentration on the technical and other specification that will make the new system operational.

### **4.1 INPUT DESIGN**

The input design is the link that ties information system into the world of users. Input design consists of developing specification and procedures for data preparation, steps necessary to fit transaction data into a form that is usable for computer processing.

User has to input all the values in Registration form to become the member of NF Company. The following details are to be given by the users:

First name, Last name, Password, Retype Password, Email-id, Subscription form, Age, Sex, Address, Phone number, Country, State, Zip code.

After entering all the values in registration form, the next page displays related information and fields for account transfer. The user is supposed to enter all the fields in this page. The third parties maintain these details.

Once the user becomes the member of NF Company, there are various other features are given to them. The features given to them are

Chatting, Automatic Reminder Service, Posting Message, View profile, Update profile, Membership transfer.

For chatting with members and administration people, first the member inputs his name, NF member id as inputs.

For automatic reminder service, the member selects the dates and he enters some messages for reminding.

For posting a message the member inputs his name, NF member id, email id and the message.

For viewing the member's profile, updating his profile, the member inputs name, NF member id and password.

For transferring his account, the member inputs name, password, NF member id and date of transfer.

The user is allowed to place their comments in the feedback form, which acts as input for the future rectification's to be made.

## **4.2 OUTPUT DESIGN**

One of most important features of an information system for users is the output it produces. Output is information delivered to users through the information system. Without quality output the entire system may appear to be unnecessary that the users will avoid using it.

The output design of this system is done so that the output screen consists of all the necessary details presented in an attractive and easy readable form.

After registering and transferring amount to NF Company, a unique id is given to him called NF member id. Using this id he can store picture/video files in NF Server.

When a member selects chatting service, it lists all the administration and members' name, using this list the member can chat with other person.

The automatic reminder service, automatically post the messages to the mailer for reminding. The result of posted message also notified through email.

When a member selects viewing and updating profile, the profile of the particular member is displayed in a page.

The confirmation for the registrations, amount transfer, view, updates and membership transfers are displayed on the screen for the user ensurance.

### **4.3. DATABASE DESIGN**

All the details of the member administration are stored in the database. The following are descriptions of the tables used.

**Name of the table: Register Table**

**Description:** This table contains the personal details of members.

<b>Field name</b>	<b>Data type</b>	<b>Description</b>
NF_Member_ID	Varchar	NF id of Member
First_name	Varchar	Member name
Last_name	Varchar	Member name
Password	Varchar	Password
Retype_password	Varchar	Password
Email-id	Varchar	Member email-id
Subscription_from	Datetime	Subscription date
Age	Int	Member age
Sex	Varchar	Member sex
Address	Text	Member address
Phone_number	Int	Member phone
Country	Varchar	Member country
State	Varchar	Member state
City	Varchar	Member city
Zipcode	Varchar	Member zip code

**Name of the table: Chatting Table**

**Description:** This table contains the following fields

Field name	Data type	Description
Name	Varchar	Member name
Password	Varchar	Member password
Email_id	Varchar	Member email-id
NF_Member_id	Varchar	Member id of NF

**Name of the table: ARS Table**

**Description:** This table stores the message for automatic reminding purpose.

Field name	Data type	Description
Month	Varchar	Month
Date	Datetime	Date
Message	Varchar	Message to remind
Email_id	Varchar	Member email-id
Remind	Varchar	Choice for reminding

**Name of the table: Posting message Table**

**Description:** This table contains name, email-id and message.

Field name	Data type	Description
Name	Varchar	Member name
Email_id	Varchar	Member email_id
Message	Text	Message to post

#### **4.4. PROCESS DESIGN**

The next step is how the system does processing. The processes involved in the system are shown in figure (1).

The various processes involved in this system. It includes

##### **NF Membership ID creation:**

It is a unique ID, which is given to the members of Nigel Freeman. Using this ID member can store picture/video files and utilize various services of NF.

Refer figure (2) for new NF Membership ID creation and steps involved to create a NF membership ID.

##### **NF Services:**

NF provides various services to their members. It includes chatting, message posting, Automatic Reminder Service, view profile, Update profile, Membership transfer.

Refer figure (3) to figure (6) for the processes involved in these services.

## Overall System Design

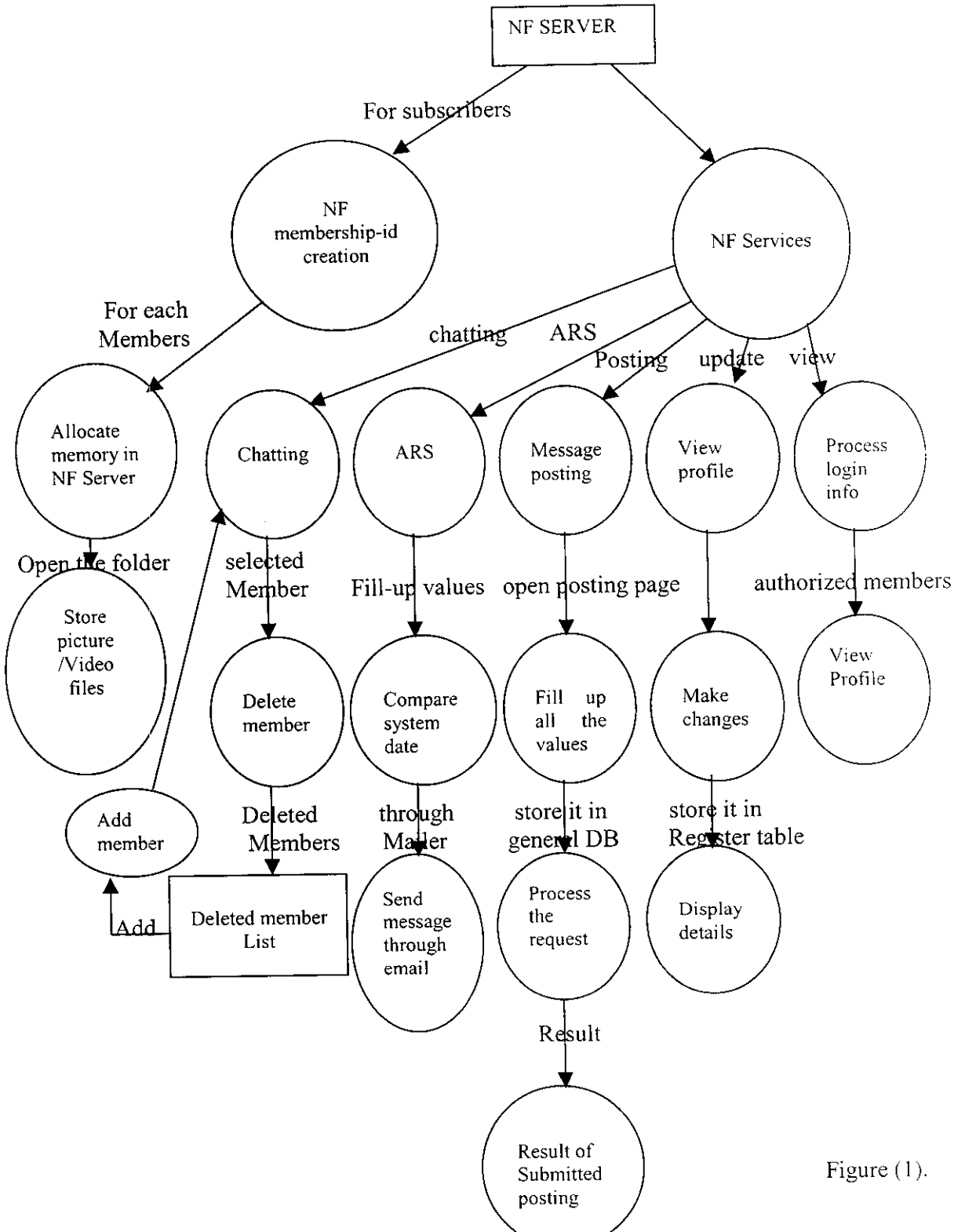


Figure (1).



## NF ID CREATION

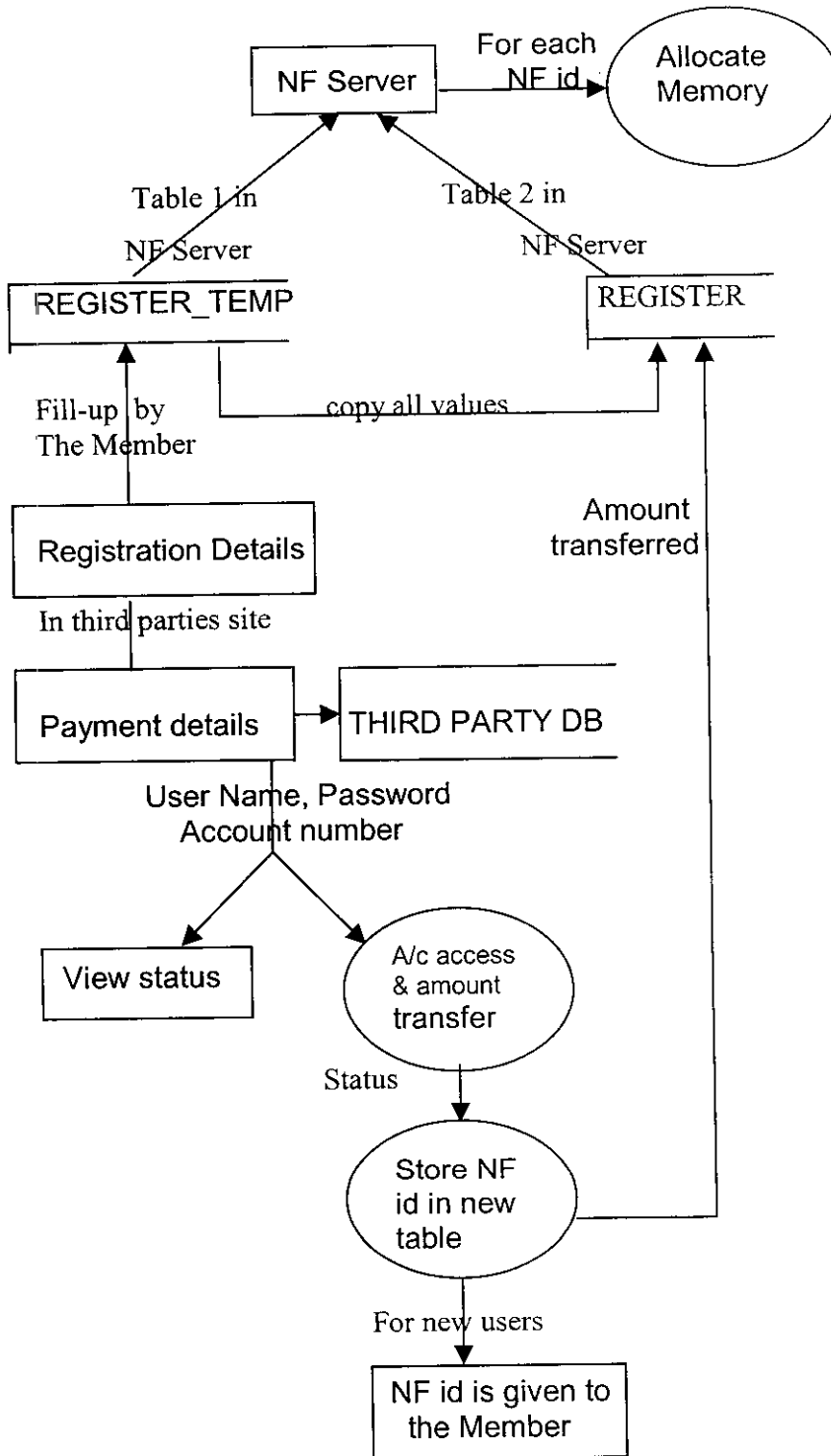


Figure (2).

## NF SERVICE: CHATTING

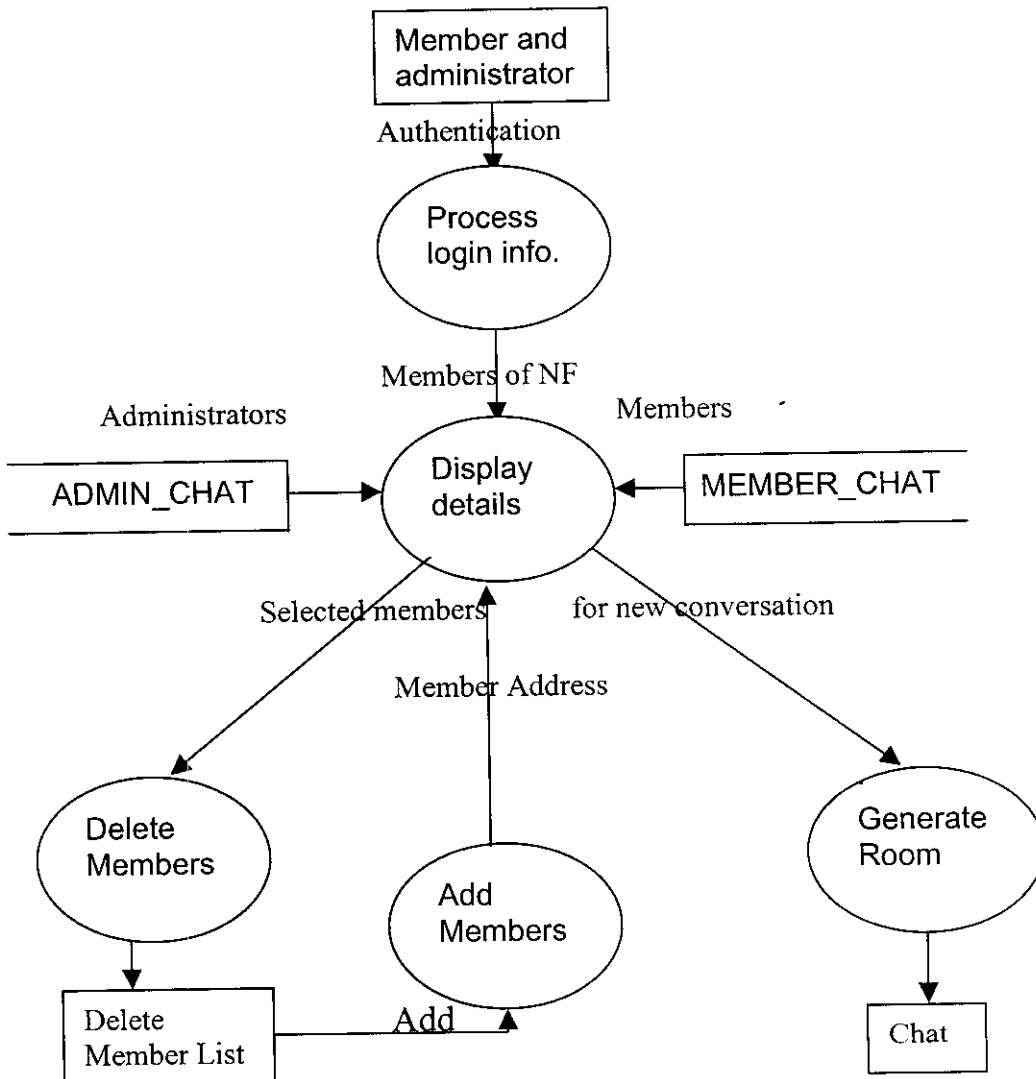


Figure (3).

**NF SERVICE: AUTOMATIC REMINDER SERVICE**

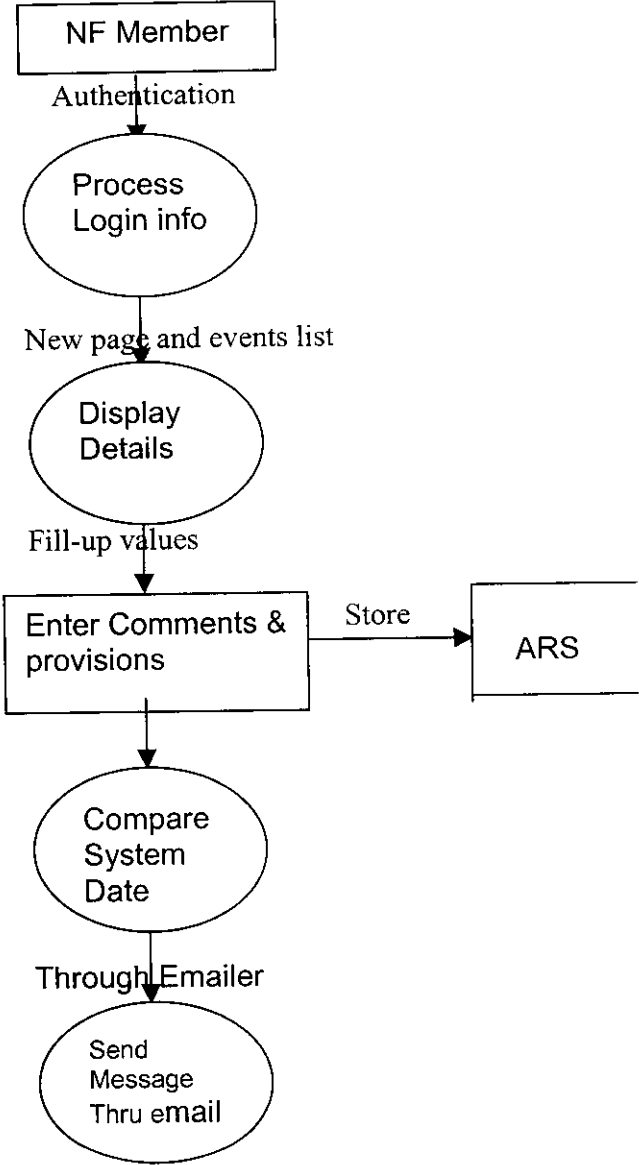


Figure (4).

## NF SERVICE: MESSAGE POSTING

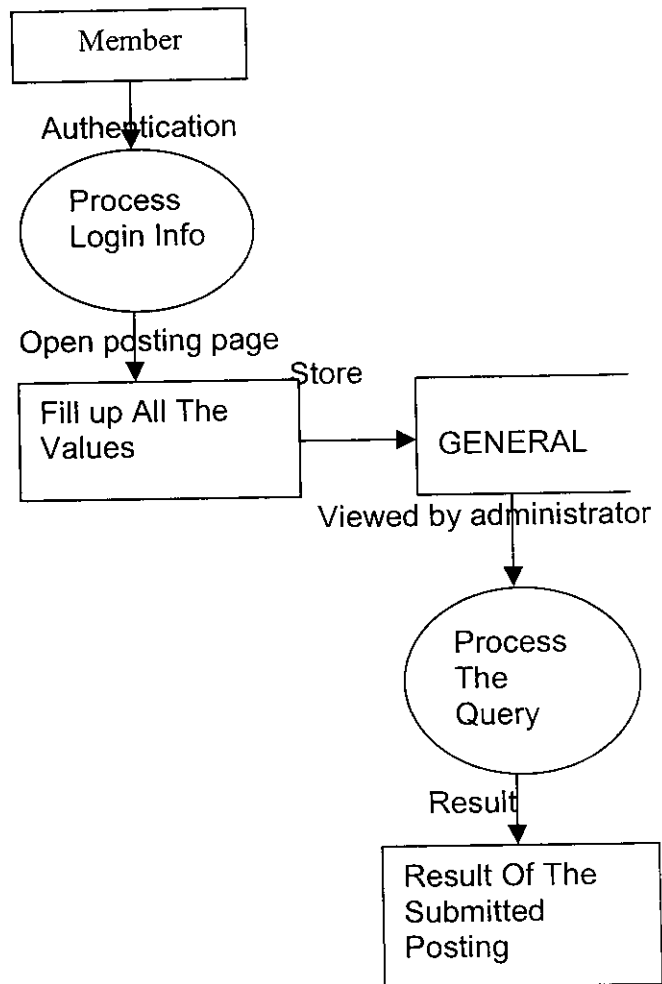


Figure (5).

# NF SERVICE: UPDATE / VIEW / TRANSFER

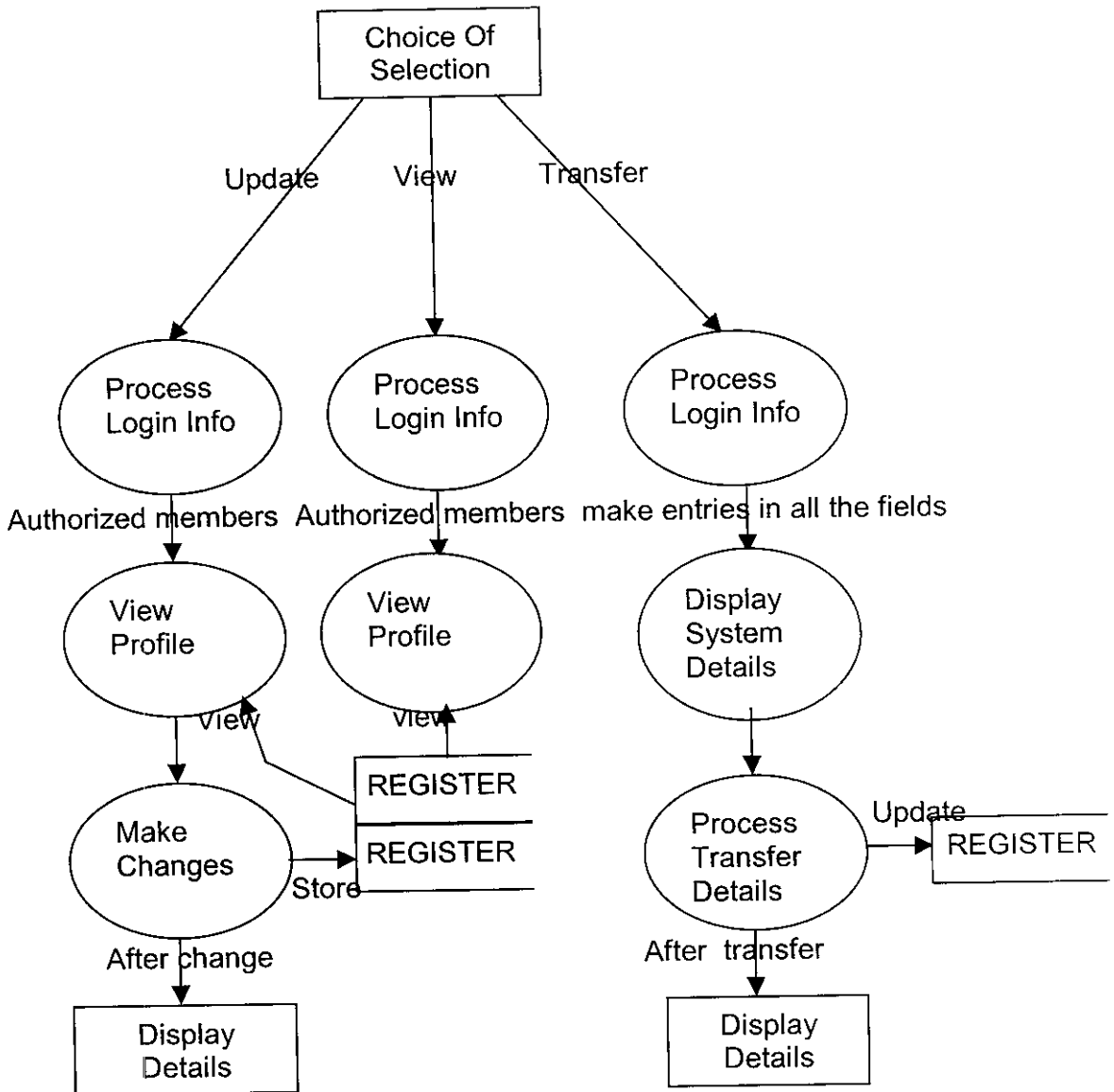


Figure (6).

**SYSTEM IMPLEMENTATION AND TESTING**

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## **5.1. SYSTEM IMPLEMENTATION**

This project is under the testing phase to uncover errors, flaws etc.. upon successful completion of testing, the Beta version will be implemented for end users.

The system is currently implemented based on client/server technology. The client sends the request, which is responded by the server. The client and the server can be a single standalone system or an Intranet based system. In the implementation phase test data was given to the system and it was found successfully. Complete implementations will takesplace after the application is uploaded in to the NF Server.

## **5.2. SYSTEM TESTING**

### **TESTING:**

Testing begins at the module level and works 'outward' towards the integration of the entire computer based system. Different testing techniques had followed at different point in time. Verification and Validation ensure the software quality assurance (SQA).

The testing involved in this system are

Unit Testing

Validation Testing

## **UNIT TESTING**

In this testing tests focus on each module of the system individually, ensuring that it functions properly as a unit.

The member administration and control tool has two modules. NF Membership ID creation and NF Services. Each of the modules are tested independently in order to ensure that the module has no bugs.

### **Module 1: NF Membership ID creation:**

NF membership ID creation has three sub-modules: Registration, submitting secured details to the third parties and NF ID creation.

#### **Registration:**

This sub-module ensures the following:

- All the details entered in the registration form takesplace sequentially.
- Once member enters all the values in the registration form, it is directly stored in the database.
- The connection establishment, data transfer to the database, and security features were also tested in this unit.



## **Submitting Secured details to the third parties:**

To become the member of Nigel Freeman, the member has to transfer certain amount to NF Company through online.

This unit ensures the following:

- The details entered in the third-parties websites are handled secretly
  - The proper intimation of amount transfer, viewing the account status in Bank and etc..
- Features provided by the third parties were tested.

## **NF Membership ID creation:**

Once the NF server receives the amount, it automatically generates a unique ID called NF Member ID and it is given to the member.

This unit ensures the following:

- The member ID that is given to the member is unique that is no two members have the same ID.
- The ID generated by the NF Server is properly reached to the member by online is also tested.

## **Module 2: NF Services**

NF services includes various sub-module search of the modules are tested independently.

The sub-modules are:

## **Chatting:**

- The chatting room creation, list of available members and administrators
- Deletion of member details was tested.

## **Automatic Reminder Service: (ARS)**

- The status of description field value
- Time schedule of event was tested in this module.

## **Posting Message:**

- The necessary space required to type the message for the question asked and
- The proper storing of posted message.

Are tested in this module.

## **View Profile:**

The proper member authentication from the members is verified in this module.

## **Update profile:**

- Member authentication
- Displaying pages(before and after updation)
- Updation from the user,
- Storing of updated details

are tested in this module.

## **Membership transfer:**

This unit ensures the following:

- Duration of the old members
- Deleting old members details
- Storing new members details in the existing members allotted space
- Providing NF ID to the new members through email are tested.

## **VALIDATION TESTING:**

To ensure the final assurance that software meets all functional, behavioral, and performance requirements, validation testing is carried out. All fields in database tables are validated for its suitability.

The values entered by the members in the Registration, chatting, Automatic Reminder Service, view profile, update profile, membership transfer are verified for validation.

This unit ensures the following:

- None of the fields are empty
- All the values in the fields are with in the specified range
- Special characters, space between words and etc.. are also provided for some of the fields.

**CONCLUSION**

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## **CONCLUSION**

The system was found successful in our offshore development center but has to be verified by the client (Nigel Freeman). The user specification were thoroughly implemented and tested.

Once the client is satisfied with the system and all the system requirements which are found to match the expectations the system can be made online. The system can be uploaded in to the NF web server and the operations can commence.

The application was tested with the user requirements and verified for the validity. The software requirements have been met. Needed Documents are generated and adequate documentation has been provided for maintenance and further enhancements.

**SCOPE FOR FUTURE DEVELOPMENT**

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## **SCOPE FOR FURTHER DEVELOPMENT**

“Member Administration and Control Tool” is software for NF Company. Since it is an Internet based project, modifications and updations can be done easily. At any point of time HTML pages can be attached with hyper links to the existing page. So, the scope of the project is for throughout the lifetime.

In this system in particular the development could be made in future for transferring amount from member to NF Company. Analyzing the user feedback could make further changes.

## BIBLIOGRAPHY

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## **BIBLIOGRAPHY**

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- Smith Eric, **ACTIVE SERVER PAGES BIBLE**, IDG Publications, 2000.
- Buczek Greg, **ASP DEVELOPERS GUIDE**, Tata McGraw Hill publications, 1999.
- Elias M. Awad, **SYSTEM ANALYSIS AND DESIGN**, Galgotia publications 1998.

## **WEBSITES**

[www.w3schools.com/asp](http://www.w3schools.com/asp)

[www.aspdeveloper.net](http://www.aspdeveloper.net)

[www.asp.com](http://www.asp.com)

[www.asp-help.com](http://www.asp-help.com)

[www.activeserverpages.com](http://www.activeserverpages.com)

[www.aspfree.com](http://www.aspfree.com)

[www.aspwire.com](http://www.aspwire.com)

**SCREENS**

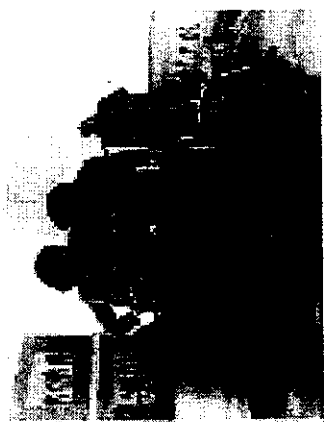
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**APPENDIX**

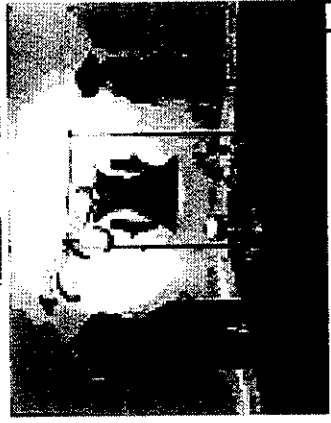
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# NFSERVER

Home About Us Registration E-Mail Services Feedback




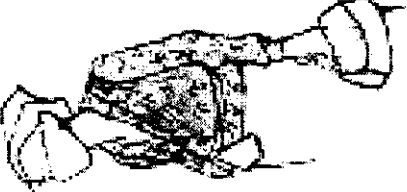
## Welcome



Internet Explorer (Address Bar) | File | Edit | View | Favorites | Tools | Help

Back | Forward | Stop | Refresh | Home | Search | Favorites | History | Links | Nathan-And-Marc

Address: http://www.nathanandmarc.com/Products.html

## to NF Website

NF Company is a Mediator between Modelers  
People and Film And Producers NF Deals  
Photography nationwide.

To become Member of NF, you have to pay an  
annual subscription. All existing and new  
members should register at this site. Members  
should pay the amount by online.

Any comments from you can be forwarded to us  
through the "[Feedback](#)" form.

For new users press "[Registration](#)"

## REGISTRATION FORM

*Please enter the details carefully and completely. So that it is ok.*

### Personal Details

First Name	<input style="width: 80%;" type="text"/>
Last Name	<input style="width: 80%;" type="text"/>
Password	<input style="width: 80%;" type="text"/>
Retype Password	<input style="width: 80%;" type="text"/>
E-Mail ID	<input style="width: 80%;" type="text"/>
Subscription From	<input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="3"/> <input type="text" value="4"/> <input type="text" value="5"/>
Age	<input style="width: 80%;" type="text"/>
Sex	<input type="radio"/> Male <input type="radio"/> Female
Address	<input style="width: 80%;" type="text"/>
Phone Number	<input style="width: 80%;" type="text"/>

### Automatic Reminder Service

#### Description

Please enter a brief description of this event:

(E.g. "Local Railway, Contact Appointments")

This event occurs every

on the  day of the month

on the   of the month

at

I temporarily disable sending reminders for this event

#### Final Reminder

Send the final reminder   before the event occurs.

#### Warning Reminders

In addition, before sending the final reminder, send the  warning reminder(s)

#### Additional

Please provide any more details you want to be reminded of when this event occurs.

NOTE: Here you can post your answer in the given box. The results will be indicated through Mail.

Message Posting

What's another Address for the website?

Name   
Email

Enter your name, e-mail and your views on the topic selected.



# UPDATING THE PROFILE

Please fill up the following for NFMembership verification.

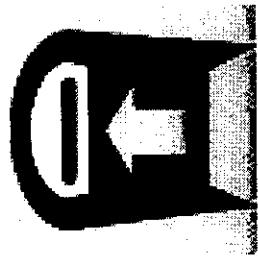
Member Name

Password

NF\_Member\_ID



Microsoft Internet Explorer  
 File Edit View Favorites Tools Help  
 Back Stop Refresh Home Search Favorites History Mail  
 Address



## Provide Feedback

### Provide Feedback to NF Server

Please complete all applicable entries. Those items not listed are mandatory.

Company Name   
 Address   
 Telephone Number   
 E-mail   
 Title