

SYNOPSIS

E-NEWSPAPER.COM

(HINDUSTANTIMES.COM)

(Dynamic Site using JSP, SERVLETS and My Sql)

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Submitted in partial fulfillment of the requirements for qualifying

MBA

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E-NEWSPAPER.COM

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Title of the Project

E-NEWSPAPER.COM

Projecttheonline.in

2. INTRODUCTION AND OBJECTIVES OF THE PROJECT

This is a Project work is undertaken in context of partial fulfillment of the MBA.

Usenet is used by many people, for many different purposes. The rise of the home network has made the job of keeping up with news groups incredibly difficult as articles read on one computer are not automatically marked as read on other machines. This project attempts to address these issues by producing a system which is both easy to use and which incorporates similar features to be found in the more popular news readers. Also, the software can be configured to provide a remotely accessible, centralized system where a user may read news articles.

I am confident that this software package can be readily used by non-programming personal avoiding human handled chance of error. This project is used by two types of users

- i. Online Users.
- ii. Administrator (management of the news agency).

Online users can see the required articles or news

Administrator can maintain daily updates in the news articles. Administrator is must be an authorized user. He can further change the password. There is the facility for password recovery, logout etc.

OBJECTIVES OF THE PROJECT

The objectives of the project are to:

- Research user needs & requirements in a Web based application.
 - Develop a functional & usable E-NEWSPAPER.COM.
 - Delivers the latest breaking **News** and information on the latest top stories, weather, business, entertainment, politics, and more.
 - Official site of an english daily providing **News**, views along with complete entertainment with chat, forum shopping, e-cards and **News** columbs, bollywood.
- iii. Indian **News** for Indians Worldwide. Get Live **News** From India. Latest **News** from The Leading **News** Publications In India.
- iv. To get Cricket details, features, scheduling, teams, domestic cricket.
- v. To get Cinema details – features, mirch masala, films realesed.
- vi. Matrimonial, Classified, Astrology.
- vii. General lifestyles-Fashion & Designs, Art & Culture, Food, Books, E-Shopping etc.
- viii. Users interested in job placement will must use this site.
- ix. Users
 - Collecting Feedbacks from the users.
 - Report Generation.

ADVANTAGE:

I have designed the given proposed system in the JSP to automate the process of news sites. Many different people use Usenet, for many different reasons, ranging from discussions of various topics, requests for help or to trade media, which is often seen as the ‘dark side’ to Usenet — the abuse of public news groups to trade copyrighted or offensive material. Thankfully however, those that use Usenet responsibly far out weight the few who use it as a tool for piracy etc.

Many of the people using and contributing to Usenet are people who work with computer technology. These people often use Usenet to seek help with a piece of software or suggest improvements, indeed one of the early functions of Usenet was to help users identify and report bugs found in software.

Unfortunately, the massive growth seen within Usenet has also made it a difficult medium to keep track of, the great variety and number of articles can take considerable time to filter through in order to find those of interest. There have been a variety of software applications created to help deal with this problem and many are freely available for personal use.

The following steps that give the detailed information of the need of proposed system are:

Performance: During past several decades, the records are supposed to be manually handled for all activities. The manual handling of the record is time consuming and highly prone to error. To improve the performance of the news agency, the

Computerized system is to be undertaken. The online project is fully user friendly even that any of the members can see the news.

Efficiency: The basic need of this website is efficiency. The website should be efficient so that whenever a new user submit his/her details the website is updated automatically. This record will be useful for other users instantly.

Control: The complete control of the project is under the hands of authorized person who has the password to access this project and illegal access is not supposed to deal with. All the control is under the administrator and the other members have the rights to just see the records not to change any transaction or entry.

Security: Security is the main criteria for the proposed system. Since illegal access may corrupt the database. So security has to be given in this project.

3. METHODOLOGY USED

This Project is coupled with material on how to use the various tool, sub sets available in JSP, SERVLETS AND MY SQL.

The need of today's software development is competence in a GUI based front-end tool, which can connect to Relational Database engines. This gives the programmer the opportunity to develop client server based commercial applications.

These applications give users the power and ease of a GUI with the multi user capabilities of Novell, UNIX or WinNT based RDBMS engines such as MY SQL.

4. Tools / Platform, Hardware and Software Requirement specification

HARDWARE:

Processor	:	Pentium 2.4 GHz or above
Memory	:	256 MB RAM or above
Cache Memory	:	128 KB or above
Hard Disk	:	3 GB or above [at least 3 MB free space required]
Pen Drive	:	2 GB
Printer	:	Dot Matrix / DeskJet connected to LPT port

SOFTWARE:

Operating System	:	Windows XP (Professional).
Font-End Tool	:	JSP, SERVLETS AND MY SQL
Back-End	:	My Sql (Sql Yog)

MY SQL

My SQL is an application used to create computer databases for the Microsoft Windows family of server operating systems. It provides an environment used to generate databases that can be accessed from workstations, the web, or other media such as a personal digital assistant (PDA). My Sql is probably the most accessible and the most documented enterprise database environment right now. This also means that you can learn it a little quicker than most other database environments on the market.

5. SYSTEM ANALYSIS

PRINCIPLES:

1. Understand the problem before you begin to create the analysis model.
2. Develop prototypes that enable a user to understand how human machine interaction will occur.
3. Record the origin of and the reason for every requirement.
4. Use multiple views of requirements like building data, function and behavioral models.
5. Work to eliminate ambiguity.

Before designing any system it is important that the nature of the business and the way it currently operates are clearly understood. The detailed examination provides the specific data required during designing in order to ensure that all the client's requirements are fulfilled. The investigation or the study conducted during the analysis phase is largely based on the feasibility study. Rather it would not be wrong to say that the analysis and feasibility phases overlap. High-level analysis begins during the feasibility study. Though analysis is represented as one phase of the system development life cycle (SDLC), this is not true. Analysis begins with system initialization and continues until its maintenance. Even after successful implementation of the system, analysis may play its role for periodic maintenance and up gradation of the system.

One of the main causes of project failures is inadequate understanding, and one of the main causes of inadequate understanding of the requirements is the poor planning of system analysis.

Analysis requires us to recall the objectives of the project and consider following three questions:

- What type of information is required?
- What are the constraints on the investigation?
- What are the potential problems that may make the task more difficult?

6. A Complete Structure

The limited time and resources have restricted us to incorporate, in this project, only the main activities that are performed in news sites, but utmost care has been taken to make the system efficient and user friendly.

For the optimum use of practical time it is necessary that every session is planned.

Planning of this project will include the following things:

- Topic Understanding.
- Modular Break – Up of the System.
- Processor Logic for Each Module.
- Database Requirements.

Topic Understanding:

It is vital that the field of application as introduced in the project may be totally a new field. So as soon as the project was allocated to me, I carefully went through the project to identify the requirements of the project.

Modular Break –Up of the System:

- Identify The Various Modules In The System.
- List Them In The Right Hierarchy.
- Identify Their Priority Of Development
- Description Of The Modules:

(i).Modules

Module 1: Password Module

In this module, this website is for multiple users. If a User enters a password and the software checks its validity. This module is used in astrology, matrimony, lifestyle etc.. If the password is valid then option is given to change the password, otherwise “Invalid User/Password” message is displayed. There is an option for password recovery, log out, login, new users sign in. The Administrator can also update changes in the site after login.

Module 2: Creating new Entities (Users for Matrimonial, Lifestyle, Astrology,

Cricket, Users, Administrator) In this module, whenever a new entity is required to be added the corresponding forms are opened and the database is manipulated to check whether the data is already existing or not. If it already exists, then it prompts that “Entry already existing” and if not than the data is entered with the various validation checks.

Module 3: Modifying / Updating Existing Entities

In this module, whenever an existing entity is required to be modified the corresponding forms are opened and the database is manipulated and the data is fetched. Now the administrator can made the required changes and then accordingly, he updates the data. Again, the checks are followed in case there is any invalid entry.

Module 4: Searching

In this module, whenever an existing entity is required to be searched the corresponding forms are opened and the database is manipulated and the data is fetched. Again, the checks are followed in case there is any invalid entry.

Module 5: Validation of Data Entered by the User & Error Handling

In this module, the validity of data entered by the user during the various business processes is checked through various validation checks. For example, there should not be any characters entered in the numeric fields, likewise if there is any error occurs than it should handle that particular error and give the required messages.

Module 6: Feedback

This module keeps track of all the feedbacks given by the users for future records.

Module 7: Transactions

This module keeps track of all the transactions done by the company for future records and income tax purposes.

Module 8: Breaking News Delivers the latest Breaking news and information on the latest top stories, weather, business, entertainment, politics, cricket,lifestyle, cinema, matrimonial, classified, .

Module 9: Business

This module is used to display all the details regarding Stock Market, Corporate, Economy, Private sectors etc.

Module 10: Cricket

This module is used to display all the details regarding Cricket, Cricket Teams, Scheduling of matches etc.

Module 11: Matrimonial

This module is used by the users who are interested in Matrimony. In newspapers, a day is fixed for matrimonial adds, but in this e-newspaper user can give and check his/her details any time.

Module 12: Classified

This module is related to Recruitment, Automobiles, Real Estate, Fashion & Beauty, Books, Food, Art & Culture etc.

Module 13: Astrology

This module is related to Astrology, offers Free Horoscope, Career Guidance, Stock Market information etc.

(ii).Data Structure Requirements according to the modules:

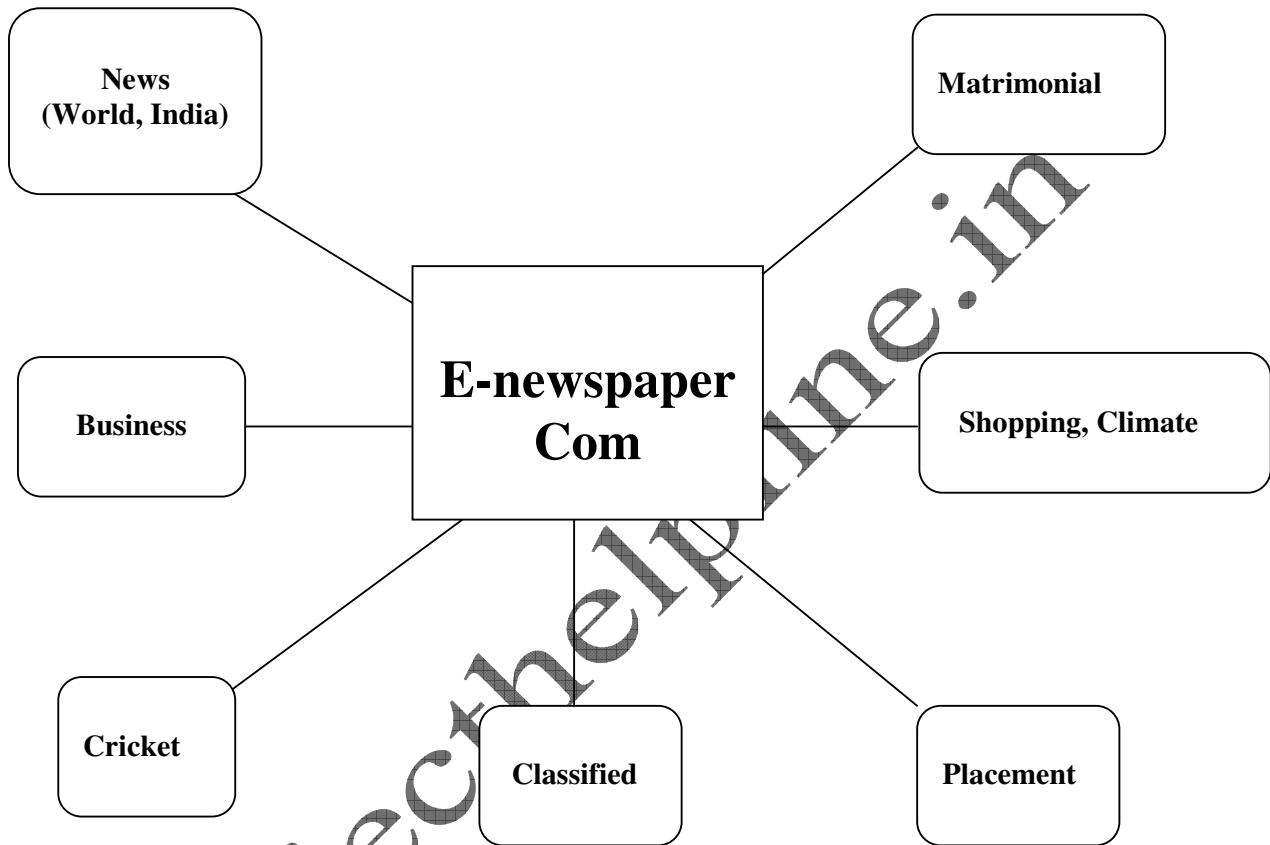
- Identify The Various Tables Required.
- Fields for These Tables.
- The Various Key Fields (for example Primary key and foreign key).
- Identify The Various Constraints like Not Null, Unique etc.

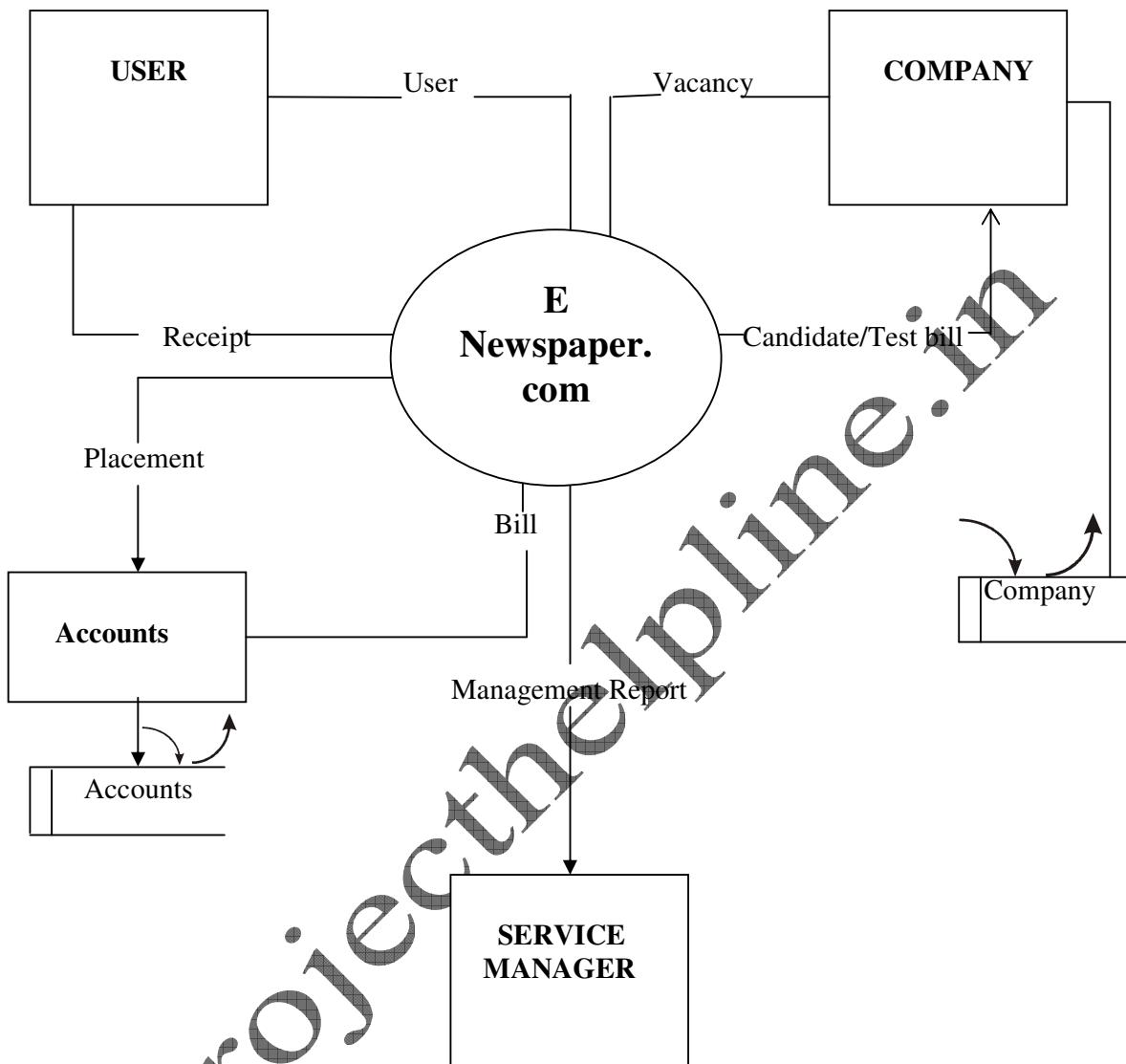
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ER-Diagram

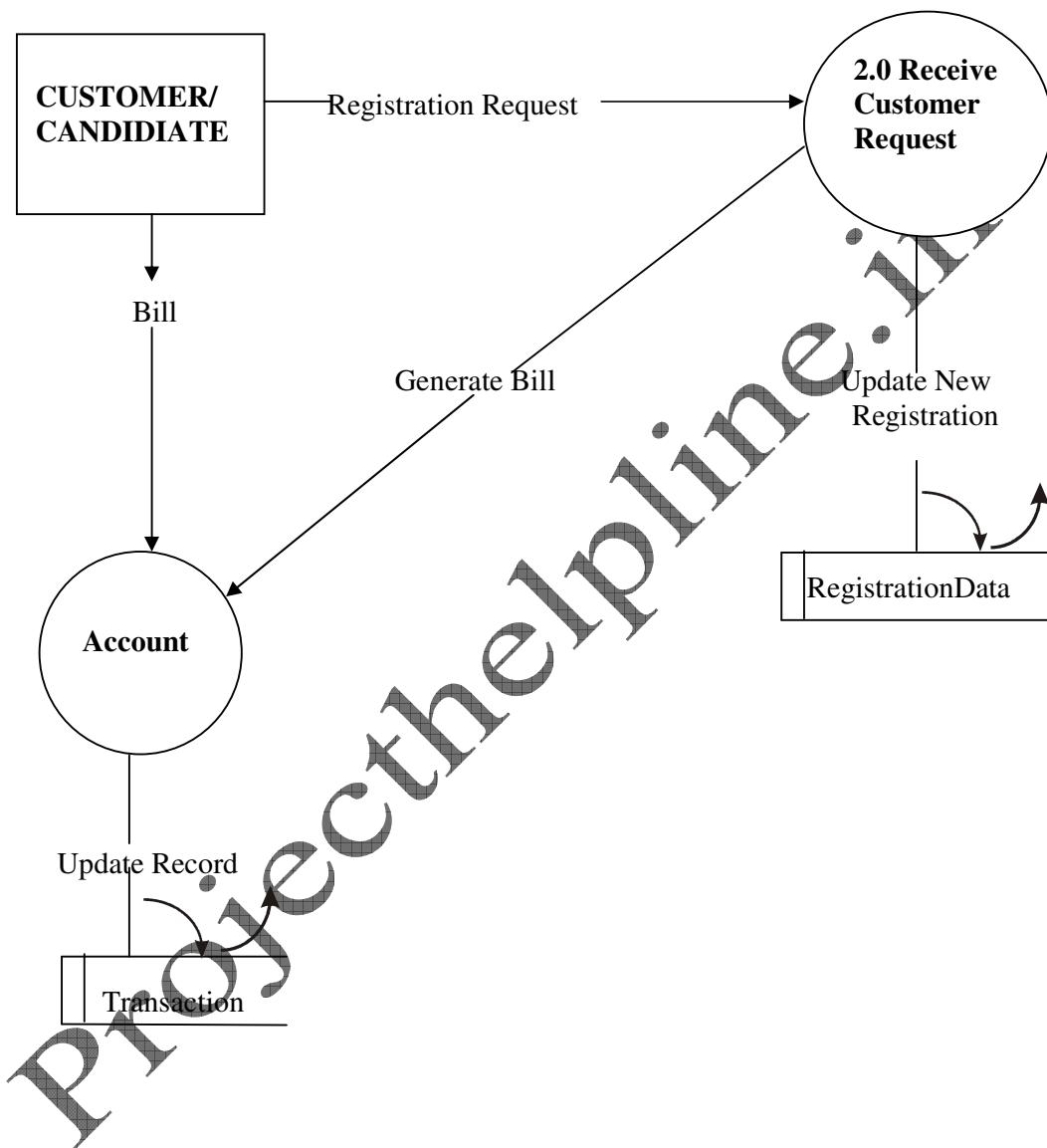
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CONTEXT LEVEL DFD

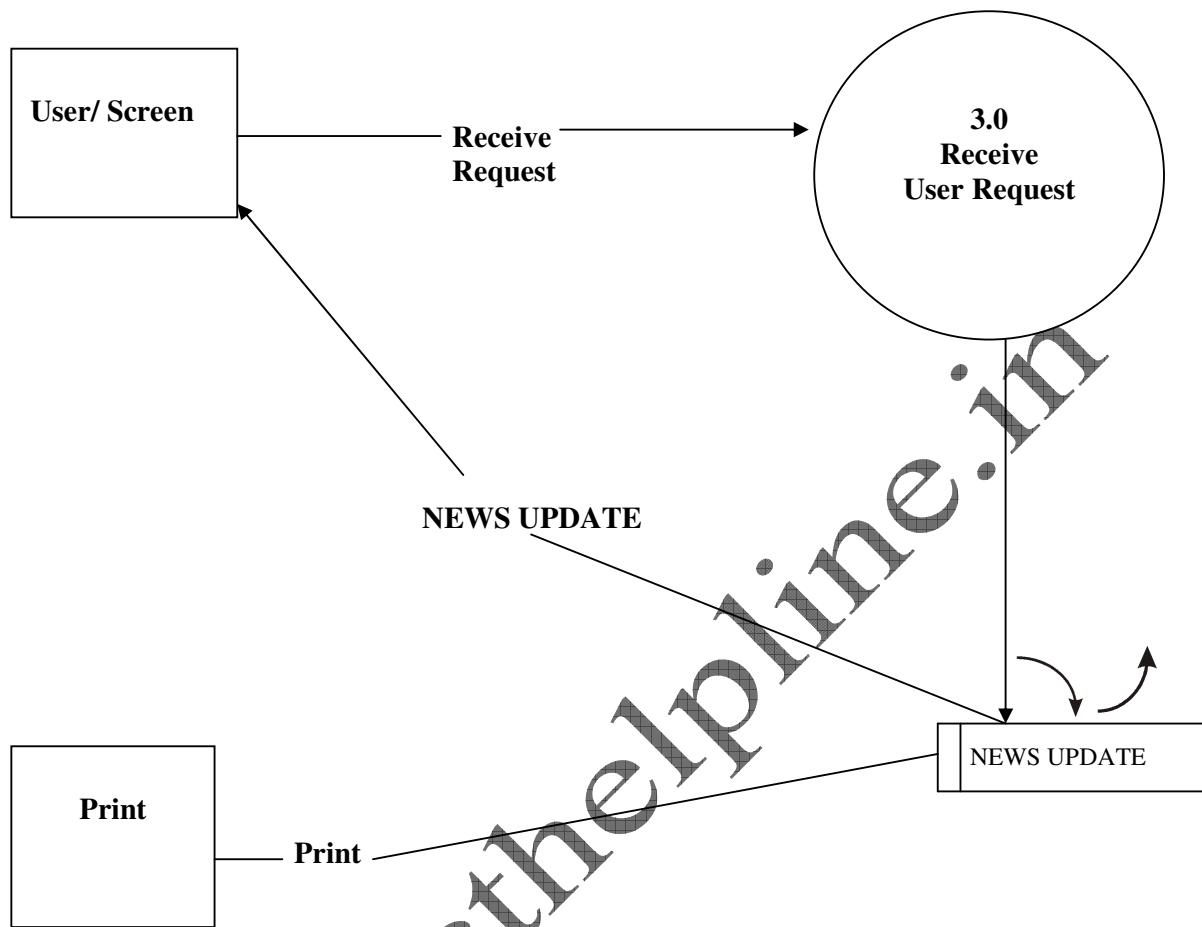


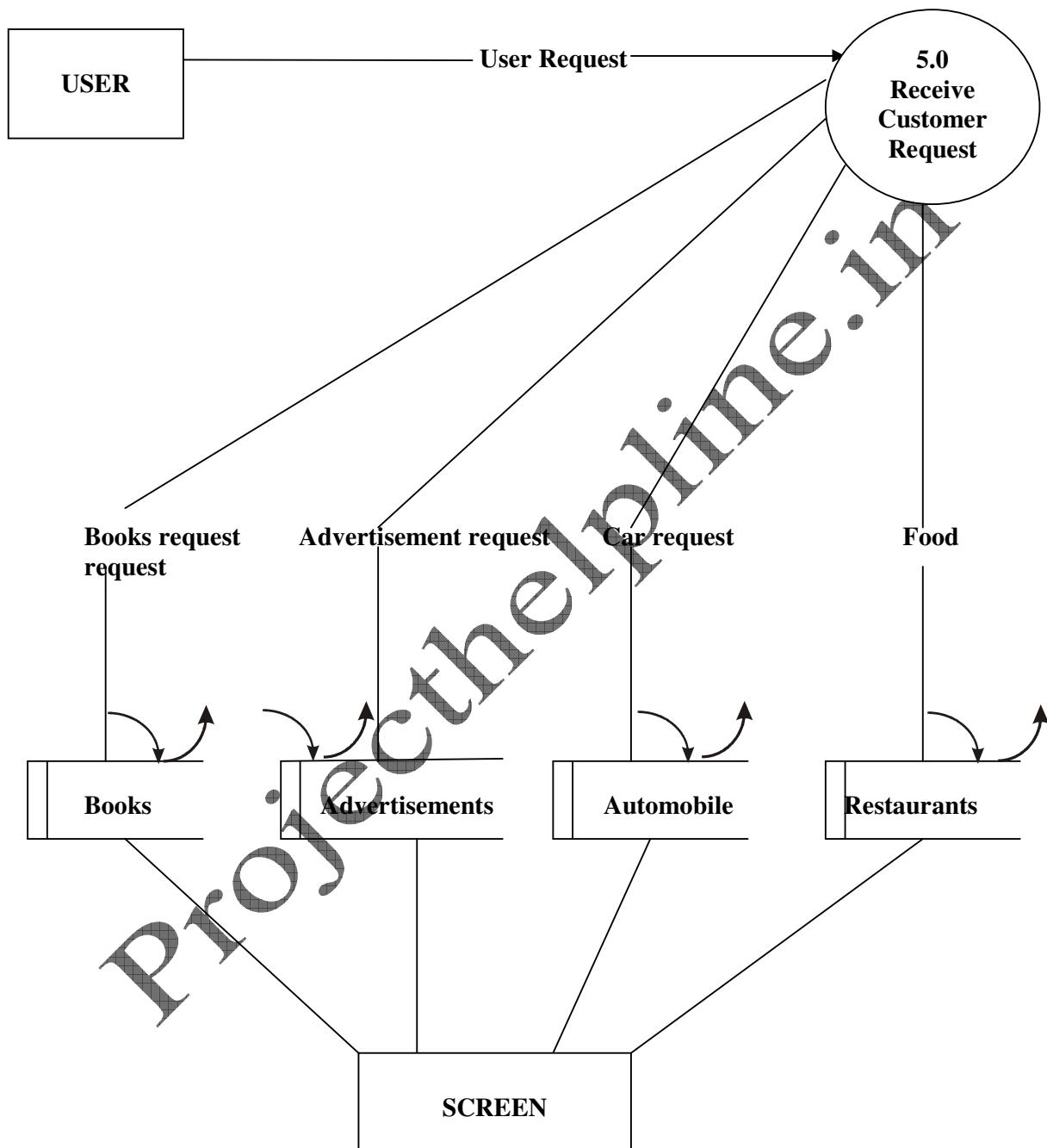
PLACEMENT MODULE

DFD FOR MATRIMONIAL DATA



DFD FOR NEWS



DFD FOR LIFE STYLE

DATABASE DESIGN

Tables:

Table 1: Password		
Field Name	Data Type	Constraints
User Name	Char	Primary
Password	Char	Not Null

Table 2: Users		
Field Name	Data Type	Constraints
Name	Char	Not Null
Address	Char	Not Null
Phone	Number	Not Null
Email	Char	Not Null
Id	Number	Primary

Table 3: Matrimonial		
Field Name	Data Type	Constraints
Name	Char	Not Null
Email	Char	Not Null
Address	Char	Not Null
Age	Number	Not Null
Qualification	Char	Not Null
Cast	Char	Not Null
Family Background	Char	Not Null

Table 4: Placement

Field Name	Data Type	Constraints
Name	Char	Not Null
Address	Char	Not Null
E-mail	Char	Not Null
Age	Number	Not Null
Qualification	Char	Not Null
Experience	Number	Not Null

Table 5: Administrator

Field Name	Data Type	Constraints
Username	Char	Not Null
Password	Char	Not Null

Table 6: Editor

Field Name	Data Type	Constraints
Name	Char	Not Null
E-mail	Char	Not Null
Phone	Number	Not Null
Address	Char	Not Null

Table 7: Admin		
Field Name	Data Type	Constraints
Username	Char	Not Null
Password	Char	Not Null

(iii).Process Logic for Each Module:

In the **first** module, validity of password is checked against a particular user.

In the **second** module, whenever a new entity is entered it should be checked for the duplicate data.

In the **third** and **fourth** module, just like the first module it should have the proper checks for every entity being modified or updated.

In the **fifth** and **sixth** module, again the validation checks are made and the different reports are generated to ease the business processes and decision making.

(iv).Report Generation

Reports generated that can be generated by the administrator are

- i. User details
- ii. Breaking news
- iii. Matrimonial related reports
- iv. Cricket schedules
- v. Weather reports
- vi. Client details for add
- vii. Classified add details
- viii. Placement – users
- ix. Company details

NUMBER OF FUNCTIONS USED IN THIS PROJECT

1. Function Password()

This is the function used for password authentication for users and administrator.

2. Function New_Articles ()

This is the function used to add new articles in the database. In that screen, the automatic current date is created. The record is appended in the database according to the date.

3. Function Display_Records()

This function is used to display all the transaction regarding any Indian or regional news, matrimonial, placement, astrology, cricket, user etc. This is a global report to display all the transaction records in the screen.

4. Functions Search()

This function is used to search records regarding any Indian or regional news, matrimonial, placement, astrology, cricket, user etc.

5. Functions Reports()

This function is used to generate reports by the administrator for

- i. Users
- ii. Users interested in Matrimonial
- iii. Users interested in Placement
- iv. Users interested in Astrology
- v. News Articles.
- vii. Cricket Scheduling
- x. Cinema-latest gossips
- xi. Cricket Teams.
- xii. Any general information

7. METHODS USED FOR GATHERING INFORMATION

The methods used for gathering information about the existing information system are as followed.

- (a) Review of records.
- (b) Observation of the functioning system.
- (c) Interviews.
- (d) Questionnaires.

In order to create an informative and practical system, a system analyst would have to have some kind of way to view the current system. Receiving feed back on what can be done to improve the current system, and how much the current system is acceptable to the users.

1) Requirement analysis: -

The main part of problem is to obtain a clear understanding of the needs of user and what exactly are desired from the software. It is used for specifying the requirement.

Fact finding tools:

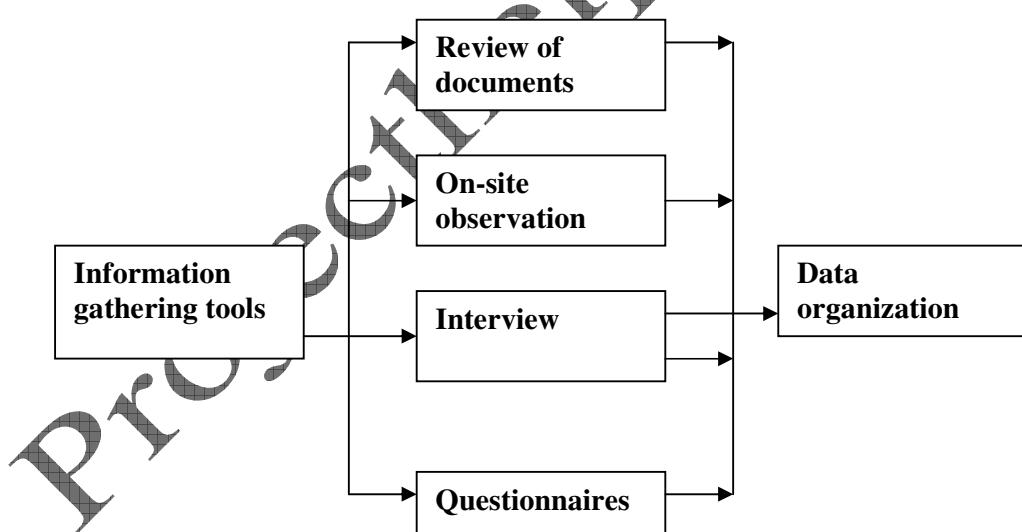
After obtaining the background knowledge, I began to collect data on the existing system's output, input, and costs. The tools used in data collection / information gathering are:

Review of the written Documents

On-site Observation

Interviews

Questionnaires



Review of the written documents:

In this phase we analyzed all the documents like the news details, Matrimonial forms, Placement forms, etc. All these things describe the format and functions of the current system included in most manuals are system Requirement that help determine how III various objectives are met.

The form is one of the most important sources through which! draw some conclusion like:

1. Who use the form(s)? How important are they to the user?
2. Do the forms include all the necessary information? What item should be added or deleted?
3. How readable and easy to follow is the form?
4. How does the information in the form help other user make better decision?
5. What other uses does the form offer the user area?

By analyzing all the details we draw a conclusion that what are the merit and Demerit of the current phase. Will the company contain all the back up of all the important document or not sales person contains all the information about the available vehicles or not. But above all there are some problems with the on site observations that one analyst must face during analysis like:

1. Take long time and get inefficient result
2. Attitude and motivation of subject cannot be readily observed
3. Observation are subject to error
4. In a complex situation it can be very time consuming

So for this we switched towards the other fact finding tools like interviews and

questionnaires.

Interviews and Questionnaires:

The interviews is a face to face interpersonal role situation in which a person called The interview asks a person being interview questions designed to gather information about a problem area. The interview is the oldest and most often used device for gathering information in systems work. It has qualities that behavioral and on-site observation do not possess .it can be used for two main purposes:

- (a) As an exploratory device to identify relations or verify Information
- (b) To capture information as it exists

1. On site observation:

It is not the easy task to do. In the on site observation the main objective is to get close as possible to the real system that are being studied. There are some questions that can serve as a guide for the on site observations:

1. What kind of the system is it? What does it do?
2. Who runs the system? Who are the important people in it?
3. What is the history of the system? How it get to its present stage of the Development first in this phase we more likely listened than talk and to and to listen with a sympathetic and genuine interest when information is conveyed. We have not to give any advice or passing moral judgment on what is observed. Not to argue with anyone or not to show any hostility towards one person and undue friendliness towards another. So in the on site

observation we first visited to the entire organization watched all the transactions, watched the way of taking orders by the sales executive. What types of forms are used in the entire place? Are all forms are written, printed or not.

There are four primary advantages of the interviews:

1. Its flexibility
2. Easy to validate the information gathered
3. Effective technique for elicit information about complex subject
- 4 Instance, goals must be based on what competitors do.

Questionnaires:

It is usually associated with the self-administrated tools with items of the closed or fixed alternative type. By this nature a questionnaires offer the following advantages:

- (a) It is economical and requires less skill to administer than the interview
- (b) Unlike the interview which generally questions one subject at time questionnaire can be administrated to large number of individuals simultaneously.
- (c) The questionnaires place less pressure on the subjects for immediate responses.

Respondents have to think the question over and do calculations to provide more accurate data.

Mainly interviews and questionnaires are divided into two categories.

1. The unstructured alternative
2. The structured alternative

The unstructured interview is a relatively nondirective information technique. The role of the analyst as an interviewer is to encourage the respondent to talk freely and serve as a catalyst to the expression of feeling and opinions.

In the structured alternative approach the questions are presented with exactly the same wording and in the same order to all subjects. Questions may be closed or open ended. An open-ended question requires no response direction or the specific response.

An analyst asks the questions at each level of management either it is top level, middle level or bottom level and at each department in the client's site and at the manufacturer.

Following are the sample questions which we asked in the form of questionnaires and interviews:

Samples Questions asked to Editor

(of similar kind of Centers with atomized news editing systems)

- 1.) Are you satisfied with the current system?
 - i. YES ii. NO iii. Partially Satisfied

2.) On an average how much users do you get daily?

- i. >100 ii. <100 iii. Can't say

3.) Are you satisfied with the facilities available to you?

- i. Yes ii. NO iii. Partially Satisfied

4.) What type of crowd is there mostly?

- i. Students ii. Working Personals iii. General (both)

5.) Who are your regular users?

- i. Students ii. Working Personals iii. Not specific

6.) Which kind of working environment do you have?

- i. Crowdly ii. Vibrating iii. Can't Say

7.) Which Platform do you work on?

- i. GUI Based ii. Non-GUI Based iii. Don't Know

8.) Which Database is implemented for the Billing System?

- i. MS ACCESS ii. MY SQL iii. ORACLE
- iv. Others (Please Specify)

9.) Any Suggestions for further improvement?

Samples Questions asked to Administrators

(of similar kind of organizations with automised billing systems)

1.) Are you satisfied with the current system?

- i. YES ii. NO iii. Partially Satisfied

2.) Are you satisfied with the work done by your staff?

- i. YES ii. NO iii. Partially Satisfied

3.) What type of up-gradation do you intend to have in the current system?

- i. Technical ii. Manual iii. Monetary

4.) What do you emphasize on (Regarding type of work done at the center) ?

- i. Quality ii. Quantity iii. Both.

5.) Are you satisfied with the number of users coming here?

- i. Yes ii. NO iii. Can't say.

6.) Which Platform do you work on?

- i. GUI Based ii. Non-GUI Based iii. Don't Know

7.) Which Database is implemented for the E-Newspaper ?

- i. MS ACCESS ii. MY SQL iii. ORACLE

iv. Others (Please Specify)

8.) How much security is needed for the implementation of atomization?

- i. Very High ii. Average iii. Can't Specify

9.) Any Suggestions for further improvement?

Sample Questions asked to users

Personal Information:

i. NAME.

ii. User Type ->

- a.) School Student b.) Collage Student c.) Working Personal

1.) How do you like the facilities provided by the Center?

- i. Good ii. Betters than others iii. Best

2.) Are you satisfied with the Quality of service?

- i. Yes ii. No iii. Partially Satisfied.

3.) What do you think about the discount offered?

- i. Too Less ii. Appropriate iii. Should be increased

4.) Is the Price of auto items adequate?

- i. Yes ii. No iii. Can't Say

6.) Does the organization need further improvements?

- i. Yes ii. No iii. Can't say

Answers we got from various computer operators

(i) 45% answered

(ii) 35% answered

(iii) 20% answered

Answers we got from various administrators

(i) 42% answered

(ii) 34% answered

(iii) 26% answered

i - positive answers

ii - Average answers

iii - Negative Answers

Answers we got from various users

34% answered

36% answered

30% answered

Identifying Current System Requirements (Software and Hardware specifications)

Software and Hardware Specifications for implementation of the system

8. SECURITY AND VALIDATION CHECKS

In this project we have used following validation checks.

- While entering the data into the form it will check for the name of the client is properly filled & it should not be null.
- Whenever we enter the data for the new user, user will automatically check the details from the database tables and also generate the connection number automatically.
- Similarly in the complaint table complaint number will generate automatically.
- Entered text / number should not exceed the limit (width).
- Almost for all fields we have used the validation for example if name of the fields requires the text type of data then it will check for the string and if the data is numeric then it will check if the number entered is proper numeric or not.

9. SCOPE OF FUTURE APPLICATION

This website will be developed for the Online users to get world news, matrimony, astrology, cricket news etc.. Utmost care and back-up procedures must be established to ensure 100% successful implementation of the online placement and matrimonial, astrology, lifestyles etc. In case of system failure, the organization should be in a position to process the transaction with another organization or if the worst comes to the worst, it should be in a position to complete it manually.

Project the pipeline

10. CONCLUSION

This project is designed to meet the requirements of user for news sites. It has been developed in JSP , keeping in mind the specifications of the system.

For designing the system we have used simple data flow diagrams.

Overall the project teaches us the essential skills like:

- Using system analysis and design techniques like data flow diagram in designing the system.
- Understanding the database handling and query processing using My SQL.

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