

WEB BASED PURCHASED REQUISITION

A Project Report Submitted to the Acharya Nagarjuna University, Guntur



For the partial fulfillment of requirements for the Award of the Graduation

Bachelor of sciences

By

B. Chaturya(Y193016074)

SK. Hafeefa Tabussum(Y193016028)

D. S.R.Priya(Y193016076)

S. Madhuri(Y193016087)

M. Pallavi(Y193016083)

T. Shakena Honey(Y193016029)

Under The Guidance Of
Shaik. Kareem

16.3.22 TO 18.5.22

*Asst. Professor
Dept. of Computer Science*



Y.A. GOVT. DEGREE COLLEGE FOR WOMEN
CHIRALA - 523155

**Y.A GOVT. DEGREE COLLEGE FOR WOMEN
CHIRALA – 523155**



CERTIFICATE

This is to certify that it is a bonifide work entitles **“WEB BASED PURCHASED REQUISITION”** have done by **“B. CHATURYA (Y193016074)”**, In the academic year 2021 – 2022 in partial fulfillment of the requirements for the award of degree of **Bachelor of Sciences** in the Department of **Computer Science**.


Project Guide

SK. KAREEM, M.C.A.,
Dept. of Computer Science
Y.A. Govt. Degree College for Women,
Chirala.


Head of the Department

N. RAJYA LAKSHMI, M.Tech
Dept of Computer Science,
Y.A. Govt. Degree college for Women,
Chirala.


Signature of the External


Principal
Y.A. Govt. Degree College for Women
CHIRALA, Praksam Dist., (A.P.)


Signature of the Internal

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I am very thankful to my project guide **Sri. SK. KAREEM Asst. Professor**, Dept. of **computer Science**, **Y.A. Govt. Degree College for Women**, Chirala, for his Co-operation and inspiring guidance and immense help during the course of Project.

I Extend our Sincere thank to all other teaching and non-teaching staff of the department and who helped directly or indirectly for their co-operation and encouragement.

This Project is a proud presentation of my work to the greatness of our professors and friends who have encouraged me all through the duration of project.

B.Chaturya
BEERAKA . CHATURYA.(Y193016074)

DECLARATION

This is to state that the dissertation titled "WEB BASED PURCHASED REQUISITION" carried out at the Department of Computer Science, Y.A. Govt. Degree College for Women, Chirala is based on the original work carried by me under the guidance of Sri. SK. KAREEM, Asst. Professor towards the partial fulfillment of requirements for award of B.Sc. This Project work has not been submitted to any other University or Institution either in part or full towards any other degree up to my knowledge and belief.

Date: 22-06-2022
Place: Chirala

B. Chaturya.
Project Associates:
BEERAKA. CHATURYA.
(Y193016074)

ABSTRACT

This project is mainly developed for the better services to the customers by the hardware retailers. The project entitled “**Web Based Purchased Requisitions**” set of platform for the retailers provide service for the customers through Web Based.

A group of computer retailers twisted into an association to compete with the currently prevailing fierce competition. These members are spread across the city to provide better accessibility and service to their customers. By becoming a member of the association, they can pool all the orders from customers of different locations in the city, and make a bulk purchase to gain more margins / discounts from the main distributors. In turn, these profits can be shared with customers by providing more competitive prices, and better service.

They are looking for better media to provide, what these association members have in their mind, to the prospective buyers. Though their present locations and areas of business is a great advantage for their operations, at the same time these became hurdles to provide unified offers and services to the target customers. The communication between the association members is also another problem and is time consuming.

Internet is the best media for all what they want to provide to their customers. Internet can be used to optimal benefit in this case, with much lesser budget than any other solution. They want their web presence more interactive and informatory yet simple and easy to navigate.

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CHAPTER 1 INTRODUCTION

1.0 Background

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1.1 APPSYS Software Solutions, Hyderabad

Appsys Software Solutions is an IT solution provider for a dynamic environment where business and technology strategies converge. Their approach focuses on new ways of business combining IT innovation and adoption while also leveraging an organization’s current IT assets. Their work with large global corporations and new products or services and to implement prudent business and technology strategies in today’s environment.

Appsys’s range of expertise includes:

1. Software Development Services
2. Engineering Services
3. Systems Integration
4. Customer Relationship Management
5. Product Development
6. Electronic Commerce
7. Consulting
8. IT Outsourcing

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1.2 Existing System

The present system involves manual operations only and no computerized models are available. A hypothetical model is being setup now that can be implemented in phases. The existing system maintains the information regarding the activities of the customer and services of the retailers. In order to save the time in looking through the numerous pages of registers to obtain the minute details to copy all the information in the view registers. This results in data redundancy and makes the register voluminous.

Pitfalls in the Existing System

1. Data Redundancy.
2. The time requires writing the details of customer purchase requisitions is more.
3. Since the information's are stored in the registers, it takes to more time to generate the reports of monthly/yearly, transactions reports.
4. More space is required to maintain all the details of all customers.
5. Reports cannot be generated very easily on the spot, it some what hazardous.
6. Complexity
7. No proper coordination between different Applications and Users.
8. Accuracy not guaranteed.

The computerized system can overcome all the above mentioned problems. This motivate undertake present system study.

1.3. Proposed System

1. Different logins for casual visitors and registered customers Visitors, prospective buyers and as well as existing customers can choose to get more information from the variety of the products displayed either on screen or through mail
2. Visitors can virtually build their computer system using online visual guide
3. Different combinations and configurations should be displayed along with the advantages and disadvantages of each
4. The selected product or system's pricing details should be visible upon selection, and it will be immediately get changed when they select different configuration
5. The system should generate an electronic estimate or quote to the customer – on screen, and the same should be sent to the visitor's email. A copy of each electronic quotation / estimation will be stored in central database for further reference and the same has to be mailed to the concerned syndicate member for further persuasion

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6. The said central database should maintain all the information about the Visitors, customers, syndicate members, distributors, vendors, products, and their pricings, etc.,
7. The intelligent option here is to provide the pricing structure to the visitor will be automatic, i.e. the pricing are competitive and up to date, without manually updating.
8. There should be option to manual override to change the product prices and the margin levels by the administrator.
9. The proposed system will facilitate the communication between the syndicate members very easily.
10. In addition to the quotation building, the system also tracks the status of the ordered product and furnishes the invoice when the order is executed.
11. The logged in visitor, who ordered for a product or service, can also track the status of his order or enquiry online.
12. They have also intentions to provide online service help to the existing customers.

1.4 Team Setup

The organization has formed a group of software professionals under taken the project with one project manager one senior programmer and a trainee to solve the problem. I have taken part in some aspects of the project i.e. designing few Interfaces including documentation and preparing user manuals.

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CHAPTER 2 SYSTEM ANALYSIS

2.1 Conversion of the Statement

Before planning a replacing for a new system it is essential to have through knowledge about the existing system along with estimation of how lost computes can be used to make its operations more effective.

System analysis is the process of collecting and interpreting facts, disposing problem and use the information about the existing system, which is also called as system study.

System analysis is about understanding situation but not solving the problem. System analysis is performed to determine whether a not it is feasible to design and information system laved on the policies and plans of an organization. To determine the user requirements and to eliminate the weakness of the present system a few general requirements are concerned.

MODULES

1. Login
2. Build Computer
3. Administration Tasks
4. Generate Quotation
5. Warranty and Replacement
6. Help.

1. Login

In this module we try to authenticate all the users/administrators entering the site. This module is placed in the Home page of the site which is the first page for those who entering the site. Here in this module for Users and Administrators we ask for User id and password and check them with the database. If they both match then they are allowed to browse the site otherwise entry is denied for them. If anybody forgets the password he is given help by reminding of his password after verifying his details. For customers we give the user level as 'C' which means they cannot access the database and other administrative tasks. For administrators the level is 'A'. These are given the full power to access the site. For visitors who are entering for the first time are asked to give their details before moving further for future reference.

2. Build Computer Module

This is the module in which a user builds a computer for him virtually with the help provided if necessary. The specification of the system depends on the user and his budget. He will be given different types of choices for each component that is needed to build a personal computer and he has to choose the one that best suits for his purpose and which is under his budgetary control.

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He is provided with the help like what components are necessary to build a system, what are their uses and properties and what are their prices. The total price of the system is shown on the screen when each part is selected and the overall price is also shown. According to this total cost he can change specification of his system.

3. Administration Tasks

This is one of the main modules of the project. In this module we define all the administrative tasks and how they are conducted.

4. Generate Quotation

In this module a Quotation is generated based on the system specification selected by the customer in the build computer module. This quotation is later mailed to the concerned syndicate member and the visitor/ customer.

5. Warranty and Replacement

Warranty check is done when a customer approaches for a replacement. If the product warranty has not expired then the necessary replacement action is performed otherwise if the warranty period has been expired there will be no replacement and for further details he is asked to contact the concerned Syndicate member.

6. Help

Help is the module in which an e-mail application is created. If any customer/visitor needed some details and has any doubts he may search through the FAQ provided. If still he is not satisfied he may contact the administrator by sending a mail with question and receive immediate response.

2.2 Development Environment

Hardware Requirements:

1. PIV 1.2 Ghz Processor
2. 512 MB RAM
3. 120GB Winchester Driver.

Software Requirements:

4. Window 2003 Server
5. Visual Studio .Net 2005 Enterprise Edition
6. Internet Information Server 5.0
7. SQL Server 2005

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2.3 Execution Environment

Server Side Requirement:

- Operating System: Windows 2003 Server.
- Web Server: Internet Information Server 5.0 or higher.
- Data Base: SQL Server 2005.

Client Side Requirement:

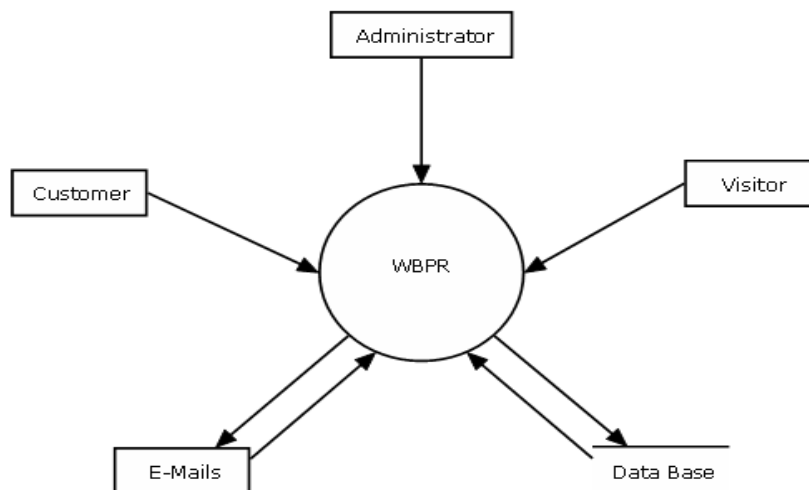
- Any Operating System with a Web Browser Compatibility with IE 5.0
- Internet Connection

2.4 Data Flow Diagrams

A data flow diagram is graphical tool used to describe and analyze movement of data through a system. These are the central tool and the basis from which the other components are developed. The transformation of data from input to output, through processed, may be described logically and independently of physical components associated with the system. These are known as the logical data flow diagrams.

A DFD is also known as a “bubble Chart” has the purpose of clarifying system requirements and identifying major transformations that will become programs in system design. So it is the starting point of the design to the lowest level of detail. A DFD consists of a series of bubbles joined by data flows in the system.

2.0 DFD Symbols



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Figure 2. 1 Context Level Diagram for Web Based Purchased Requisition

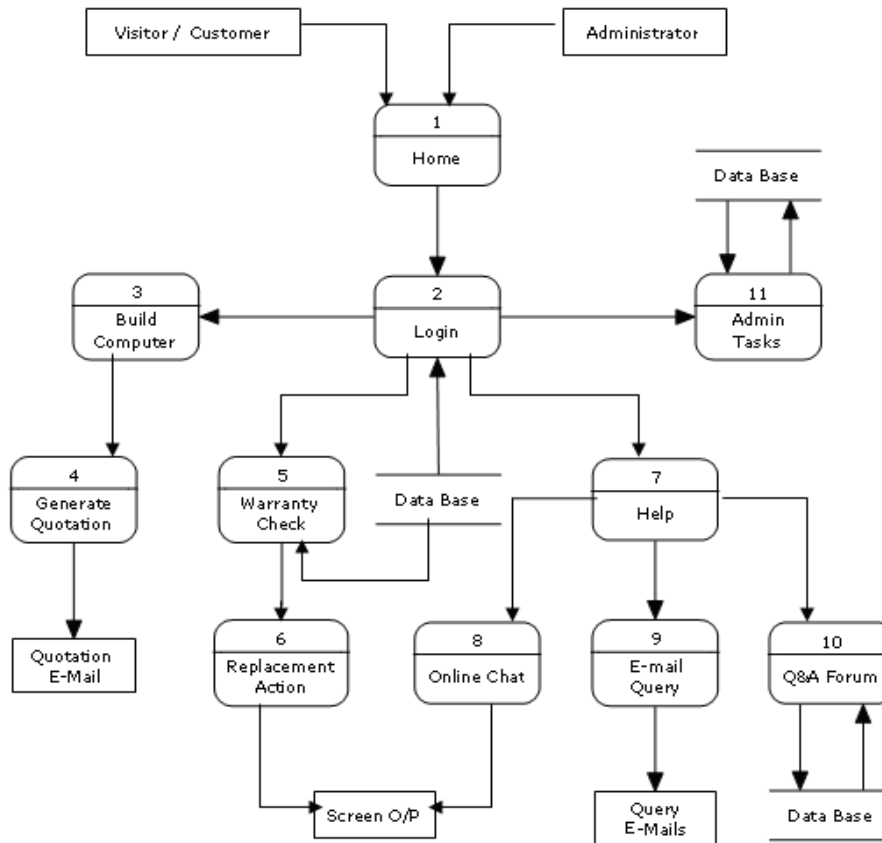
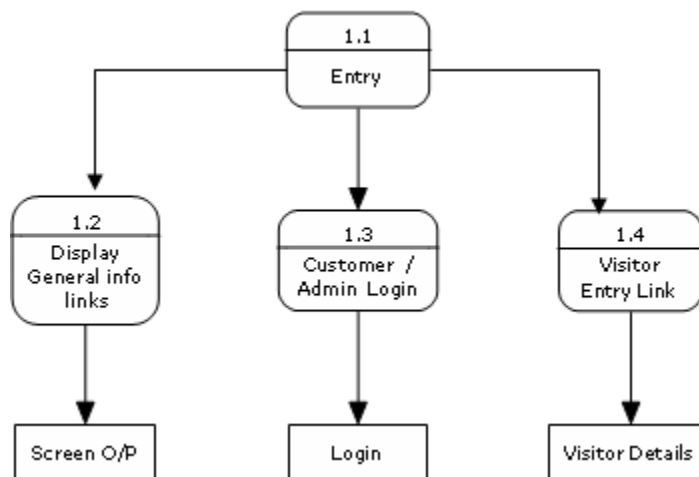


Figure 2. 2 Top Level Diagram for Login



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Figure 2.3 Low Level Diagram for Home Page

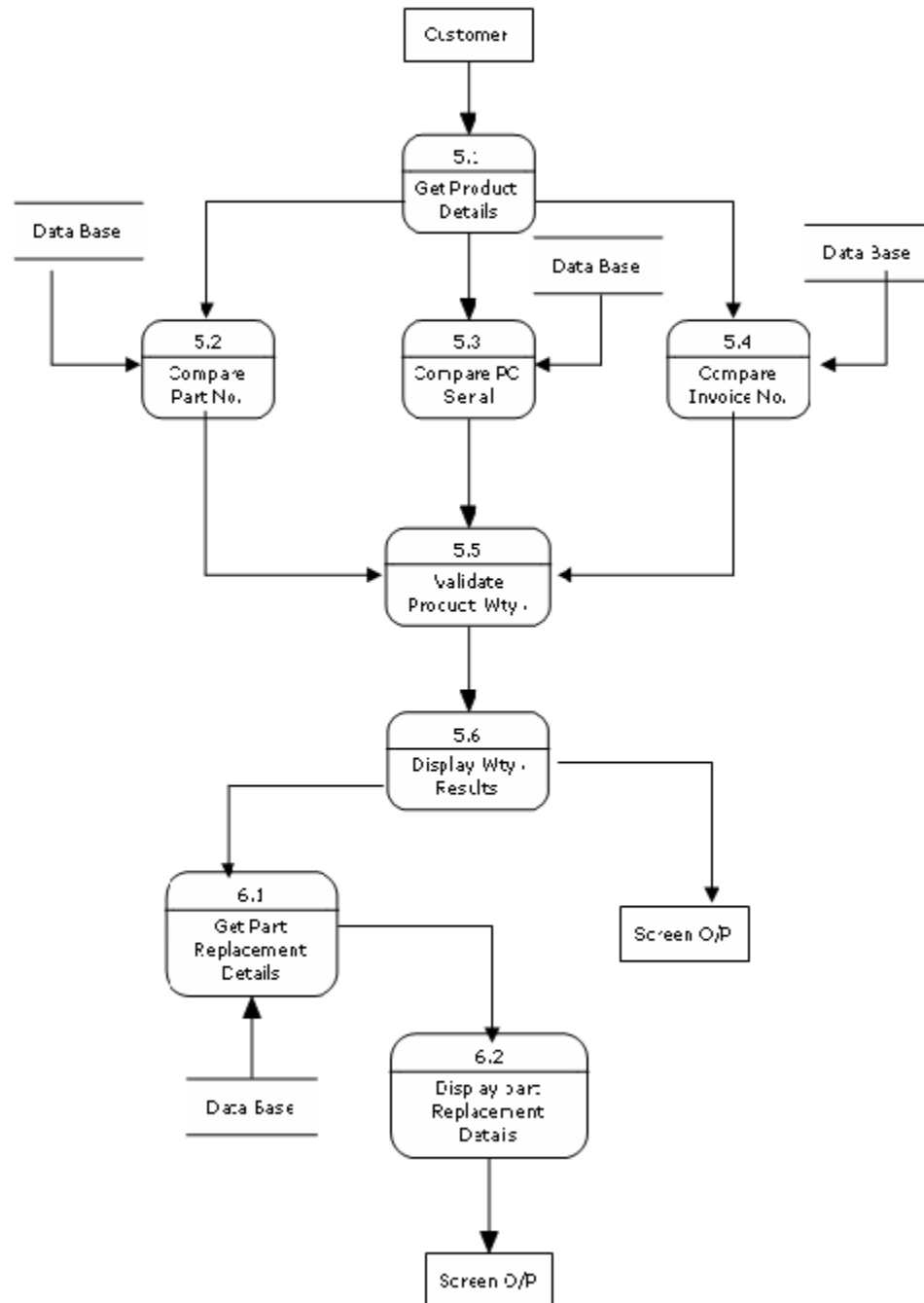


Figure 2.5 Low level diagram for Warranty Replacement

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ER-Diagrams

Data models are tools used in analysis to describe the data requirements and assumptions in the system from a top-down perspective. They also set the stage for the design of databases later on in the SDLC. Entity Relationship Diagrams (ERDs) illustrate the logical structure of databases.

There are three basic elements in ER models:

- Entities are the "things" about which we seek information.
Attributes are the data we collect about the entities.
- Relationships provide the structure needed to draw information from multiple entities.

2.5 Data Dictionary:

Relation Name	Attribute Name	Data Type	Size	Constraint Type
LOGIN_MAST	USERNAME	VARCHAR2	12	PK
LOGIN_MAST	PASSWORD	VARCHAR2	12	
LOGIN_MAST	USERID	VARCHAR2	6	FK
LOGIN_MAST	USERLEVEL	CHAR	1	PK
CUST_MAST	CUSTID	VARCHAR2	6	
CUST_MAST	NAME	VARCHAR2	30	
CUST_MAST	STREET	VARCHAR2	25	
CUST_MAST	AREA	VARCHAR2	25	
CUST_MAST	CITY	VARCHAR2	25	
CUST_MAST	PIN	NUMBER	6	
CUST_MAST	STATE	VARCHAR2	25	
CUST_MAST	PHONE	VARCHAR2	15	
CUST_MAST	MOBILE	VARCHAR2	10	
CUST_MAST	EMAIL	VARCHAR2	30	
CUST_MAST	LANDMARK	VARCHAR2	250	
VISIT_MAST	VISITID	VARCHAR2	6	PK
VISIT_MAST	NAME	VARCHAR2	30	
VISIT_MAST	STREET	VARCHAR2	25	
VISIT_MAST	AREA	VARCHAR2	25	
VISIT_MAST	CITY	VARCHAR2	25	
VISIT_MAST	PIN	NUMBER	6	
VISIT_MAST	STATE	VARCHAR2	25	
VISIT_MAST	PHONE	VARCHAR2	15	
VISIT_MAST	MOBILE	VARCHAR2	10	
VISIT_MAST	EMAIL	VARCHAR2	30	

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VISIT_MAST	REFERENCE	VARCHAR2	25	
QUOT_MAST	QUOTNO	VARCHAR2	6	PK
QUOT_MAST	VISITID	VARCHAR2	6	FK
QUOT_MAST	DATE	DATE		
QUOT_MAST	VALIDITY	NUMBER	3	
QUOT_MAST	AMOUNT	NUMBER	10,2	
QUOT_DETAIL	QUOTNO	VARCHAR2	6	FK
QUOT_DETAIL	PRODID	VARCHAR2	6	FK
QUOT_DETAIL	CATID	VARCHAR2	6	FK
QUOT_DETAIL	QTY	NUMBER	3	
QUOT_DETAIL	RATE	NUMBER	10,2	
QUOT_DETAIL	DATE	DATE		
CAT_MASTER	CATID	VARCHAR2	6	PK
CAT_MASTER	CATNAME	VARCHAR2	30	
CAT_MASTER	DESCRIPTION	VARCHAR2	150	
INV_MAST	INVNO	VARCHAR2	6	PK
INV_MAST	CUSTID	VARCHAR2	6	FK
INV_MAST	SMID	VARCHAR2	6	FK
INV_MAST	AREA	VARCHAR2	25	
INV_MAST	AMOUT	NUMBER	10,2	
INV_MAST	TAX	NUMBER	8,2	
INV_MAST	DATE	DATE		
INV_DETAIL	INVNO	VARCHAR2	6	FK
INV_DETAIL	PRODID	VARCHAR2	30	FK
INV_DETAIL	QTY	NUMBER	3	
INV_DETAIL	RATE	NUMBER	10,2	
WTY_MAST	INVNO	NUMBER	6	FK
WTY_MAST	PRODID	VARCHAR2	6	FK
WTY_MAST	SALEDATE	DATE		
WTY_MAST	MFGDATE	DATE		
WTY_MAST	SERIAL	VARCHAR2	30	PK
WTY_MAST	WTYPERIOD	NUMBER	3	
WTY_MAST	WTYEXPDATE	DATE		
WTY_MAST	CATID	VARCHAR2	6	FK
REPL_MAST	OLDSERIAL	VARCHAR2	6	FK
REPL_MAST	RCVDATE	DATE		
REPL_MAST	NEWSERIAL	VARCHAR2	30	PK
REPL_MAST	MFGDATE	DATE		
REPL_MAST	WTYPERIOD	NUMBER	3	
REPL_MAST	EFCTWTYPERI	NUMBER	3	
REPL_MAST	WTYEXPDATE	DATE		
REPL_MAST	CUSTID	VARCHAR2	6	FK
SYNMEM_MAST	SMID	VARCHAR2	6	PK

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SYNMEM_MAST	MEMNAME	VARCHAR2	30	
SYNMEM_MAST	STREET	VARCHAR2	25	
SYNMEM_MAST	AREA	VARCHAR2	25	
SYNMEM_MAST	CITY	VARCHAR2	25	
SYNMEM_MAST	PIN	NUMBER	6	
SYNMEM_MAST	STATE	VARCHAR2	25	
SYNMEM_MAST	PHONE1	VARCHAR2	15	
SYNMEM_MAST	PHONE2	VARCHAR2	15	
SYNMEM_MAST	FAX	VARCHAR2	15	
SYNMEM_MAST	EMAIL	VARCHAR2	30	
SYNMEM_MAST	LANDMARK	VARCHAR2	250	
AREA_MAST	SMID	NUMBER	6	FK
AREA_MAST	AREA	VARCHAR2	6	PK
AREA_MAST	DISTANCE	NUMBER	5,1	
AREA_MAST	REPRESENTAT	VARCHAR2	6	FK
CPU_MAST	PRODID	VARCHAR2	6	PK
CPU_MAST	PRODNAME	VARCHAR2	6	
CPU_MAST	PRODSPECS	VARCHAR2	150	
CPU_MAST	MFGR	VARCHAR2	25	
CPU_MAST	CACHE	NUMBER	4	
CPU_MAST	PACKAGE	VARCHAR	10	
CPU_RATE_MAST	PRODID	NUMBER	6	FK
CPU_RATE_MAST	RATE	NUMBER	8,2	
CPU_RATE_MAST	DATE	DATE		
CPU_RATE_MAST	TREND	CHAR	1	
BOARD_MAST	PRODID	VARCHAR	6	PK
BOARD_MAST	PRODNAME	VARCHAR2	25	
BOARD_MAST	PRODSPECS	VARCHAR2	150	
BOARD_MAST	MFGR	VARCHAR2	25	
BOARD_MAST	MAXRAM	NUMBER	4	
BOARD_MAST	MAXSLOTS	NUMBER	1	
BOARD_MAST	MAXSPD	NUMBER	5	
BOARD_MAST	TYPE	VARCHAR2	10	
BOARD_RATE_MAST	PRODID	VARCHAR2	6	FK
BOARD_RATE_MAST	RATE	NUMBER	8,2	
BOARD_RATE_MAST	DATE	DATE		
BOARD_RATE_MAST	TREND	CHAR	1	
RAM_MAST	PRODID	VARCHAR	6	PK
RAM_MAST	PRODNAME	VARCHAR2	25	
RAM_MAST	PRODSPECS	VARCHAR2	150	
RAM_MAST	MFGR	VARCHAR2	25	
RAM_MAST	SPEED	NUMBER	4	
RAM_MAST	TYPE	VARCHAR2	10	

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RAM_RATE_MAST	PRODID	VARCHAR2	6	FK
RAM_RATE_MAST	RATE	NUMBER	8,2	
RAM_RATE_MAST	DATE	DATE		
RAM_RATE_MAST	TREND	CHAR	1	
DSP_MAST	PRODID	VARCHAR	6	PK
DSP_MAST	PRODNAME	VARCHAR2	25	
DSP_MAST	PRODSPECS	VARCHAR2	150	
DSP_MAST	MFGR	VARCHAR2	25	
DSP_MAST	RAM	NUMBER	4	
DSP_MAST	TYPE	VARCHAR2	10	
DSP_RATE_MAST	PRODID	VARCHAR2	6	FK
DSP_RATE_MAST	RATE	NUMBER	8,2	
DSP_RATE_MAST	DATE	DATE		
DSP_RATE_MAST	TREND	CHAR	1	
FDD_MAST	PRODID	VARCHAR	6	PK
FDD_MAST	PRODNAME	VARCHAR2	25	
FDD_MAST	PRODSPECS	VARCHAR2	150	
FDD_MAST	MFGR	VARCHAR2	25	
FDD_MAST	CAPACITY	NUMBER	5,2	
FDD_MAST	TYPE	VARCHAR2	10	
FDD_RATE_MAST	PRODID	VARCHAR2	6	FK
FDD_RATE_MAST	RATE	NUMBER	8,2	
FDD_RATE_MAST	DATE	DATE		
FDD_RATE_MAST	TREND	CHAR	1	
HDD_MAST	PRODID	VARCHAR	6	PK
HDD_MAST	PRODNAME	VARCHAR2	25	
HDD_MAST	PRODSPECS	VARCHAR2	150	
HDD_MAST	MFGR	VARCHAR2	25	
HDD_MAST	CAPACITY	NUMBER	3	
HDD_MAST	TYPE	VARCHAR2	10	
HDD_RATE_MAST	PRODID	VARCHAR2	6	FK
HDD_RATE_MAST	RATE	NUMBER	8,2	
HDD_RATE_MAST	DATE	DATE		
HDD_RATE_MAST	TREND	CHAR	1	
MONITOR_MAST	PRODID	VARCHAR	6	PK
MONITOR_MAST	PRODNAME	VARCHAR2	25	
MONITOR_MAST	PRODSPECS	VARCHAR2	150	
MONITOR_MAST	MFGR	VARCHAR2	25	
MONITOR_MAST	SIZE	NUMBER	2	
MONITOR_MAST	TYPE	VARCHAR2	10	
MONITOR_RATE_MA	PRODID	VARCHAR2	6	FK
MONITOR_RATE_MA	RATE	NUMBER	8,2	
MONITOR_RATE_MA	DATE	DATE		

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MONITOR_RATE_MA	TREND	CHAR	1	
MOUSE_MAST	PRODID	VARCHAR	6	PK
MOUSE_MAST	PRODNAME	VARCHAR2	25	
MOUSE_MAST	PRODSPECS	VARCHAR2	150	
MOUSE_MAST	MFGR	VARCHAR2	25	
MOUSE_MAST	BUTTONS	VARCHAR2	4	
MOUSE_MAST	CONNECTOR	CHAR	6	
MOUSE_MAST	TYPE	VARCHAR2	10	
MOUSE_RATE_MAST	PRODID	VARCHAR2	6	FK
MOUSE_RATE_MAST	RATE	NUMBER	8,2	
MOUSE_RATE_MAST	DATE	DATE		
MOUSE_RATE_MAST	TREND	CHAR	1	
KBD_MAST	PRODID	VARCHAR	6	PK
KBD_MAST	PRODNAME	VARCHAR2	25	
KBD_MAST	PRODSPECS	VARCHAR2	150	
KBD_MAST	MFGR	VARCHAR2	25	
KBD_MAST	KEYS	NUMBER	3	
KBD_MAST	CONNECTOR	CHAR	6	
KBD_MAST	TYPE	VARCHAR2	10	
KBD_RATE_MAST	PRODID	VARCHAR2	6	FK
KBD_RATE_MAST	RATE	NUMBER	8,2	
KBD_RATE_MAST	DATE	DATE		
KBD_RATE_MAST	TREND	CHAR	1	
CAB_MAST	PRODID	VARCHAR	6	PK
CAB_MAST	PRODNAME	VARCHAR2	25	
CAB_MAST	PRODSPECS	VARCHAR2	150	
CAB_MAST	MFGR	VARCHAR2	25	
CAB_MAST	BAYS	NUMBER	1	
CAB_MAST	SMPS	NUMBER	5	
CAB_MAST	TYPE	VARHAR2	10	
CAB_RATE_MAST	PRODID	VARCHAR2	6	FK
CAB_RATE_MAST	RATE	NUMBER	8,2	
CAB_RATE_MAST	DATE	DATE		
CAB_RATE_MAST	TREND	CHAR	1	
CD_MAST	PRODID	VARCHAR	6	PK
CD_MAST	PRODNAME	VARCHAR2	25	
CD_MAST	PRODSPECS	VARCHAR2	150	
CD_MAST	MFGR	VARCHAR2	25	
CD_MAST	READ	NUMBER	2	
CD_MAST	WRITE	NUMBER	2	
CD_MAST	REWRITE	NUMBER	2	
CD_MAST	TYPE	VARCHAR2	10	
CD_RATE_MAST	PRODID	VARCHAR2	6	FK

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CD_RATE_MAST	RATE	NUMBER	8,2	
CD_RATE_MAST	DATE	DATE		
CD_RATE_MAST	TREND	CHAR	1	
SOUND_MAST	PRODID	VARCHAR	6	PK
SOUND_MAST	PRODNAME	VARCHAR2	25	
SOUND_MAST	PRODSPECS	VARCHAR2	150	
SOUND_MAST	MFGR	VARCHAR2	25	
SOUND_MAST	DUPLEX	CHAR	1	
SOUND_MAST	CHANNELS	NUMBER	2	
SOUND_RATE_MAST	PRODID	VARCHAR2	6	FK
SOUND_RATE_MAST	RATE	NUMBER	8,2	
SOUND_RATE_MAST	DATE	DATE		
SOUND_RATE_MAST	TREND	CHAR	1	
SPK_MAST	PRODID	VARCHAR	6	PK
SPK_MAST	PRODNAME	VARCHAR2	25	
SPK_MAST	PRODSPECS	VARCHAR2	150	
SPK_MAST	MFGR	VARCHAR2	25	
SPK_MAST	SPKS	NUMBER	1	
SPK_MAST	WATTAGE	NUMBER	4	
SPK_RATE_MAST	PRODID	NUMBER	6	FK
SPK_RATE_MAST	RATE	VARCHAR2	6	
SPK_RATE_MAST	DATE	DATE		
SPK_RATE_MAST	TREND	DATE		
NIC_MAST	PRODID	VARCHAR	6	PK
NIC_MAST	PRODNAME	VARCHAR2	25	
NIC_MAST	PRODSPECS	VARCHAR2	150	
NIC_MAST	MFGR	VARCHAR2	25	
NIC_MAST	SPEED	VARCHAR2	10	
NIC_MAST	CONNECTIONS	VARCHAR2	15	
NIC_MAST	TYPE	VARCHAR2	10	
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NIC_RATE_MAST	RATE	VARCHAR2	6	
NIC_RATE_MAST	DATE	DATE		
NIC_RATE_MAST	TREND	DATE		
MODEM_MAST	PRODID	VARCHAR	6	PK
MODEM_MAST	PRODNAME	VARCHAR2	25	
MODEM_MAST	PRODSPECS	VARCHAR2	150	
MODEM_MAST	MFGR	VARCHAR2	25	
MODEM_MAST	SPEED	NUMBER	3	
MODEM_MAST	TYPE	VARCHAR2	10	
MODEM_RATE_MAS	PRODID	NUMBER	6	FK
MODEM_RATE_MAS	RATE	VARCHAR2	6	
MODEM_RATE_MAS	DATE	DATE		

WEB BASED PURCHASED REQUISITION

MODEM_RATE_MAS	TREND	DATE		
ACCESSORIES_MAST	PRODID	VARCHAR	6	PK
ACCESSORIES_MAST	PRODNAME	VARCHAR2	25	
ACCESSORIES_MAST	PRODSPECS	VARCHAR2	150	
ACCESSORIES_MAST	MFGR	VARCHAR2	25	
ACCESSORIES_MAST	OTHERS	VARCHAR2	30	
ACCESSORIES_MAST	TYPE	VARCHAR2	10	
ACCESS_RATE_MAS	PRODID	NUMBER	6	FK
ACCESS_RATE_MAS	RATE	VARCHAR2	6	
ACCESS_RATE_MAS	DATE	DATE		
ACCESS_RATE_MAS	TREND	DATE		
PRINTER_MAST	PRODID	VARCHAR	6	PK
PRINTER_MAST	PRODNAME	VARCHAR2	25	
PRINTER_MAST	PRODSPECS	VARCHAR2	150	
PRINTER_MAST	MFGR	VARCHAR2	25	
PRINTER_MAST	SPEED	NUMBER	4	
PRINTER_MAST	TYPE	VARCHAR	10	
PRINTER_MAST	RESOLUTION	VARCHAR2	10	
PRINTER_MAST	PRODID	VARCHAR	6	PK
PRINTER_MAST	PRODNAME	VARCHAR2	25	
PRINTER_MAST	PRODSPECS	VARCHAR2	150	
PRINTER_MAST	MFGR	VARCHAR2	25	
PRINTER_MAST	SPEED	NUMBER	4	
PRINTER_MAST	TYPE	VARCHAR	10	
PRINTER_MAST	RESOLUTION	VARCHAR2	10	
PRINTER_RATE_MAS	PRODID	NUMBER	6	FK
PRINTER_RATE_MAS	RATE	VARCHAR2	6	
PRINTER_RATE_MAS	DATE	DATE		
PRINTER_RATE_MAS	TREND	DATE		
UPS_MAST	PRODID	VARCHAR	6	PK
UPS_MAST	PRODNAME	VARCHAR2	25	
UPS_MAST	PRODSPECS	VARCHAR2	150	
UPS_MAST	MFGR	VARCHAR2	25	
UPS_MAST	BACKUP	NUMBER	4	
UPS_MAST	CAPACITY	NUMBER	5	
UPS_MAST	TYPE	VARCHAR2	10	
UPS_RATE_MAST	PRODID	NUMBER	6	FK
UPS_RATE_MAST	RATE	VARCHAR2	6	
UPS_RATE_MAST	DATE	DATE		
UPS_RATE_MAST	TREND	DATE		

WEB BASED PURCHASED REQUISITION

2.6 Data Base Interface:

- **Front Tier:** This project is purely a web application. Each and every user expects a user friendly and attractive interface. In order to develop the interface we have used Visual Studio 2008, Java Script. The Visual Studio 2008 tool is very easy and flexible to handle static design like macromedia tools and it contains lot of built-in controls which are very helpful in designing the interface, so this has been used to develop the attractive environment.
- **Communication Tier:** For any application it is mandatory to have a communication path between Front -end and Back-end. ADO.NET Framework is used for this specific purpose.
- **Language Chosen:** As this being a web application there is possibility to use the same application in the variety of platforms. So the application should be platform independent. As we know that the .NET is platform independent we have chosen .NET language because of its platform independency nature. This language has enormous concepts which are helpful in developing the application in the distributed environment. So we have chosen .NET language for developing this application.
- **Users of the System:** Presently the user of the system is only the administrator. The main intention here is to extend more number of users located at various numbers of branches.

ADO.NET

ADO.NET is an evolution of the ADO data access model that directly addresses user requirements for developing scalable applications. It was designed specifically for the web with scalability, statelessness, and XML in mind.

- **Connections:** For connection to and managing transactions against a database.
- **Commands:** For issuing SQL commands against a database.
- **Data Readers:** For reading a forward-only stream of data records from a SQL Server data source.
- **Datasets:** For storing, emoting and programming against flat data, XML data and relational data.
- **Data Adapters:** For pushing data into a Dataset, and reconciling data against a database.

When dealing with connections to a database, there are two different options: SQL Server .NET Data (System.Data.SqlClient) and OLE DB .NET Data Provider (System.Data.OleDb). In these samples we will use the SQL Server .NET Data Provider. These are written to talk directly to Microsoft SQL Server. The OLE DB .NET Data Provider is used to talk to any OLE DB provider (as it uses OLE DB underneath).

WEB BASED PURCHASED REQUISITION

Connection:

Connections are used to 'talk to' databases, and are represented by provider-specific classes such as **SQLConnection**. Commands travel over connections and result sets are returned in the form of streams which can be read by a **DataReader** object, or pushed into a **Datasets** object.

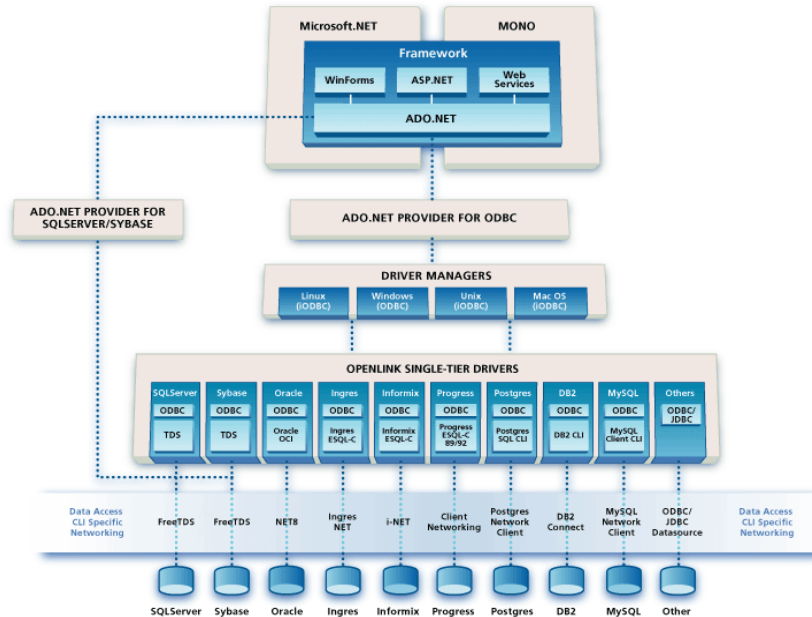


Figure 2. 6 ADO.NET Provider for SQL Server

WEB BASED PURCHASED REQUISITION

CHAPTER 3 DESIGN ASPECTS

Design is essentially a blue print of it acts as a bridge between the requirement specification and the final solution. Design is a process of translating a customer's requirements into a software product or system. Design is a blue print for a building a system, it specifies all the features that are to be in the finished product.

3.1 System Hierarchy

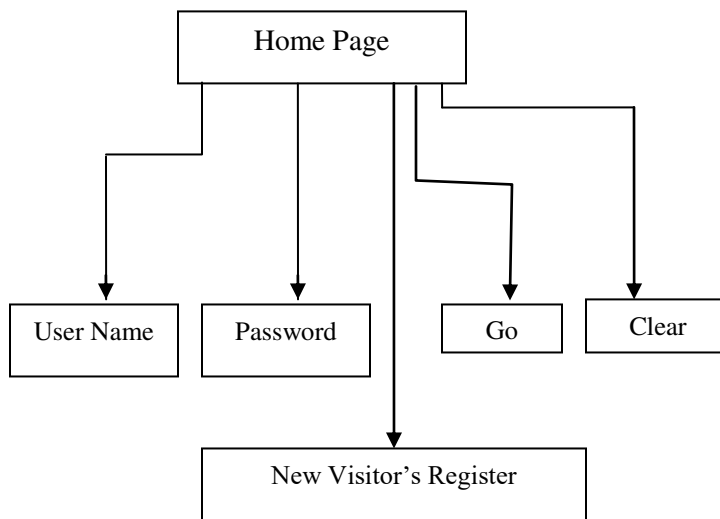


Figure 3. 1 Home Page System Diagram

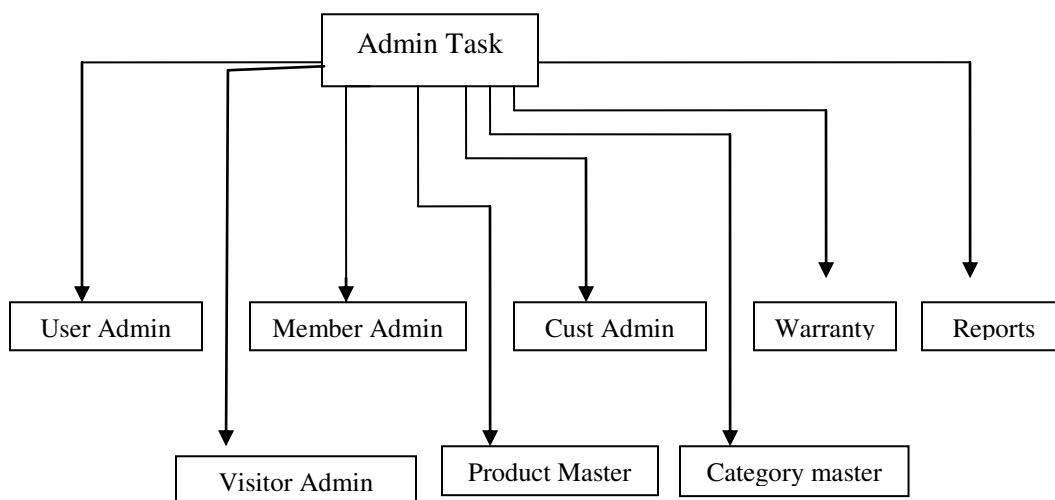


Figure 3. 2 Administration Task System

WEB BASED PURCHASED REQUISITION

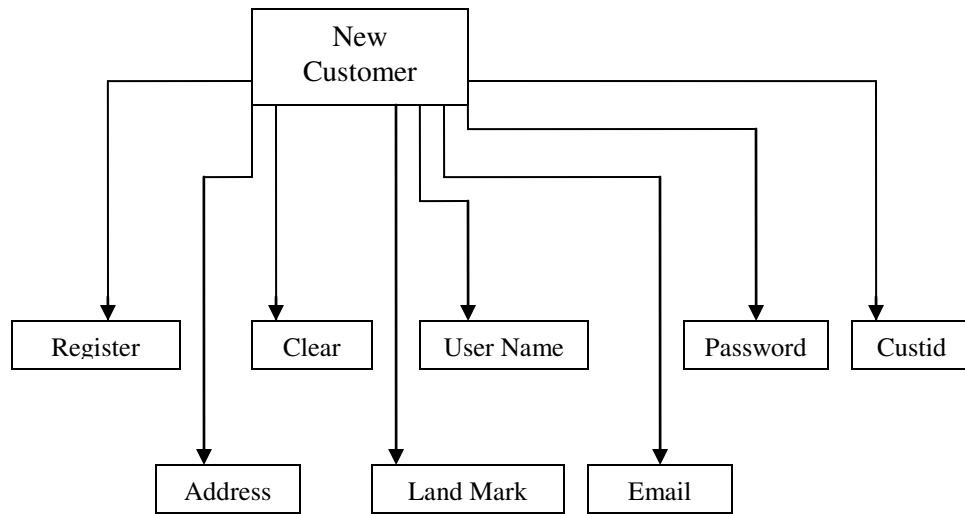


Figure 3. 3 New Customer Details

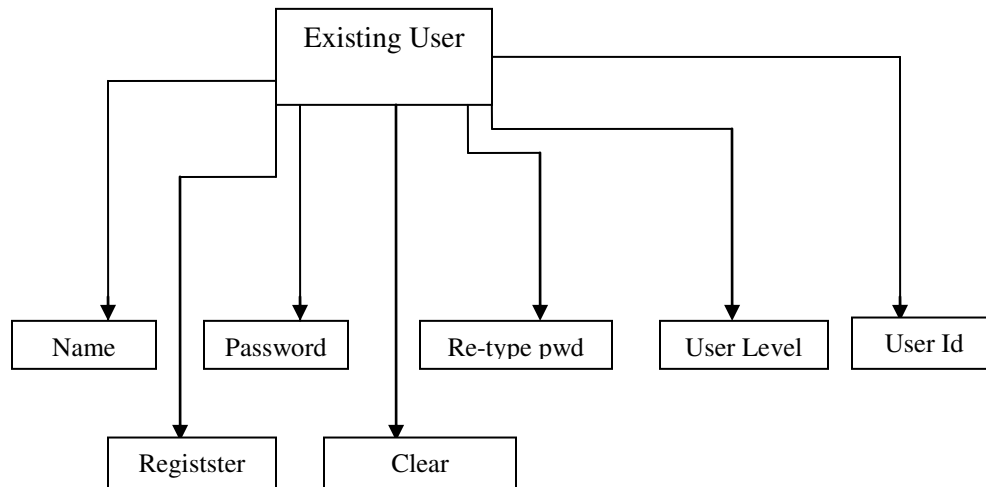


Figure 3. 4New User System Diagram

WEB BASED PURCHASED REQUISITION

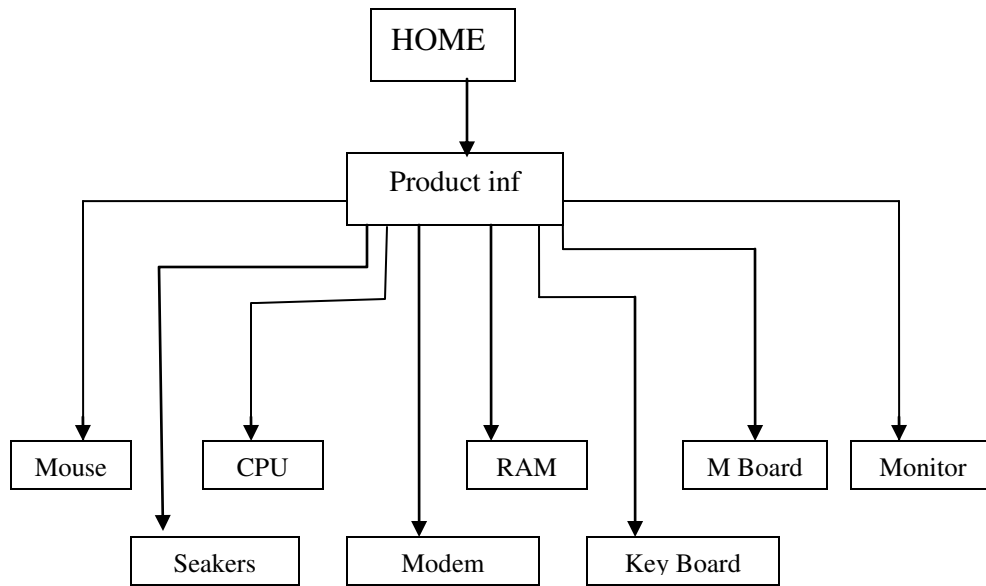


Figure 3. 5 Home with Product Information

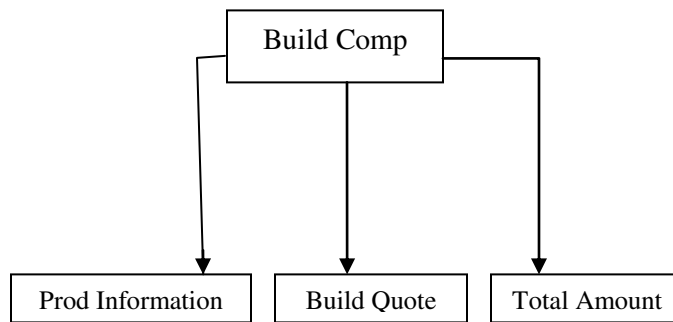


Figure 3. 6 Build Computer

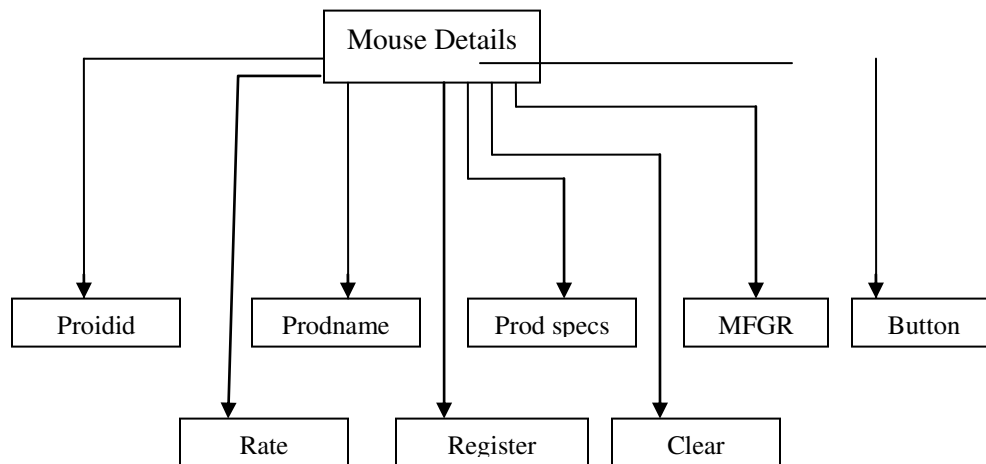


Figure 3. 7 Details of the Products

WEB BASED PURCHASED REQUISITION

3.2 Table/Entities in the Database:

S No	Name of Table	Type of Table	Purpose
1	login_mast	Administrator Table	To login the Administrator and Username is Primary Key
2	Cust_mast	Customer Table	To Details of the Customer and cust_id is Primary Key
3	Visit_mast	Visitor Table	To details of the Visitors and Visitid is Primary Key
4	quot_mast	Quotation Master Table	To details of the Quotations and Quotno is a Primary Key
5	quot_detail	Quotation Table	To details of the Quotations the Quotno is a Foreign Key
6	cat_master	Category Table	Details of the Category and Catid is Primary Key
7	inv_mast	Invoice Table	Details of the Invoice and Invno is a Primary Key
8	inv_detail	Invoice Detail Table	Details of the Detailed Invoice and Invno is Primary Key
9	Wty_mast	Warranty Table	Details of the Warranty and Serial is a Primary Key
10	Repl_mast	Replacement Table	Details of the Replacement and New serial is a Primary Key
11	synmem_mast	Who wants the system Customer Table	Details of the Customer who want to system and Smid is a Primary Key
12	Area_mast	Area Table	Details of the Area and Area is a Primary Key
13	Cpu_mast	CPU Master Table	Details of the CPU and Prodid is a Primary Key
14	Cpu_rate_mast	CPU Cost Table	Details of the CU Rate and Prodid is a Foreign Key
15	board_mast	Board Table	Details of the Tables and Prodid is a Primary Key
16	board_rate_mast	Board Rate Table	Details of the Board Rate and Prodid is a Foreign Key
17	Ram_mast	RAM Table	Details of the RAM and Prodid is a Primary Key
18	Ram_rate_mast	RAM Rate Table	Details of the RAM Rate and Prodid is

WEB BASED PURCHASED REQUISITION

			Foreign Key
19	dsp_mast	Dispatch Table	Details of the Dispatch and Prodid is a Primary Key
20	dsp_rate_mast	Dispatch Rate Table	Details of the Dispatch Rate and Prodid is a Primary Key
21	fdd_mast	Floppy disk Table	Details of the Floppies and Prodid is a Primary Key
22	fdd_rate_mast	Floppies Rate Table	Details of the Floppies Rates and Prodid is a Foreign Key
23	Hdd_mast	Hard Disk Table	Details of the Hard Disk and Prodid is Primary Key
24	Hdd_rate_mast	Hard Disk Rates Table	Details of the Hard Disk Cost and Prodid is Foreign Key
25	monitor_mast	Monitor Table	Details of the Monitor and Prodid is a Primary Key
26	monitor_rate_mast	Monitor Rates Table	Details of the Monitor Rates and Prodid is Foreign Key
27	mouse_mast	Mouse Table	Details of the Mouse's and Prodid is a Primary Key
28	mouse_rate_mast	Mouse Rates Table	Details of the Mouse's' Rates and Prodid is Foreign Key
31	cab_mast	Cabinet Table	Details of the Cabinets' and Prodid is a Primary Key
32	cab_rate_mast	Cabinet Rate Table	Details of the Cabinet Rates' and Prodid is a Foreign Key
33	cd_mast	Compact Disk – Drive Table	Details of the CD-Drive and Prodid is a Primary Key
34	cd_rate_mast	CD – Drive Rates Table	Details of the CD – Drive Rates and Prodid is Foreign Key
35	sound_mast	Sound Cards Table	Details of the Sound Cards and Prodid is a Primary Key
36	sound_rate_mast	Sound Cards Rate Table	Details of the Sound Cards Rates Table and Prodid is a Foreign Key

WEB BASED PURCHASED REQUISITION

3.3 Sample Data:

CABINET_MAST

ProductId	ProductName	ProductSpecs	MFGR	Bays	Smps	Type
1	Cabinet	Cover	Iball	5	1	Large
2	Cabinet	Cover	IBM	4	1	Small
3	Cabinet	Cover	Frontech	2	1	Large

CABINET_RATE_MAST

ProductId	Rate	Date	Trend
1	500	3/05/2008	Latest
2	1100	7/5/2008	Latest
3	550	15/06/2008	Latest

CDDRIVE_MAST

ProductId	ProductName	ProductSpecs	MFGR	Read	Write	ReWrite	Type
1	CD Drive	Compact Disc	LG	4	24	16	Multi
2	Cd Drive	Compact Disc	Liteon	3	3	3	Single
3	CD Drive	Compact	Samsung	5	7	12	Multi

CDDRIVE_RATE_MAST

ProductId	Rate	Date	Trend
1	1500	10/5/2008	Latest
2	1300	10/5/2008	Latest
3	1200	15/6/2008	Latest

CPU_MAST

ProductId	ProductName	ProductSpecs	MFGR	Cache	Package
1	PentumumIII	Processor	Intel	20000	No
2	PIV	Processor	AMD	30000	No

CPU_RATE_MAST

ProductId	Rate	Date	Trend
1	20000	12/05/2008	Latest
2	25000	15/8/2008	Normal

WEB BASED PURCHASED REQUISITION

CUST_MAST

Cust Id	Name	Street	Area	City	Pin	State	Phone	Mob ile	Email	Refr ence	Lan dMa rk
1	Shiva	Gandhi	Begum Pet	Hyd	511253	AP	12345	98765	shiva@yahoo.com	bbb	Airli nes
2	Sai	Nehru	Lingam palli	Hyd	6876876	AP	6878	456348	Sai@Yahoo.com	Rela tives	Junc tion
3	Ranga	S.R.Nagar	Ameer Pet	Hyd erab ad	586868686	AP	6887	456348	Rangaswamy@yahoo.com	Frie nds	Cros s road s
4	Vishnu	SRnagar	Begum Pet	Hyd erab ad	511001	AP	0855426219	456348	Vishnu@rediff.com	Frie nds	NO THI NG
5	Rajiv	SR	Ameer Pet	Hyd erab ad	5765777	AP	78787	456348	Rajiv@yahoo.com	Frie nds	NO THI NG

FLOPPYDRIVE_MAST

ProductId	ProductName	ProductSpecs	MFGR	Capacity	Type
1	Floppy	Floppy	IBM	1.44	Single
2	Floppy	Floppy	Intel	2.44	Double
3	Floppy	Floppy	Liteon	1.44	Single

FLOPPYDRIVE_RATE_MAST

ProductId	Rate	Date	Trend
1	130	11/03/2008	Latest
2	150	12/05/2008	Previous
4	200	12/5/2008	Previous

HARDDRIVE_MAST

ProductId	ProductName	ProductSpecs	MFGR	Capacity	Type
1	HDD	Hard Disk	Samsung	500 GB	Latest
2	Apple	HardDisk	Apple	80 GB	Previous

HARDDRIVE_RATE_MAST

ProductId	Rate	Date	Trend
1	3700	11/03/2008	Latest
2	2400	2/04/2008	Latest

KEYBOARD_MAST

ProductId	ProductName	ProductSpec	MFGR	Keys	Connector	Typ
1	Samsung	Key board	Samsung	109	Wire	any
2	LG	Key board	LG	104	Wireless	Any
3	Samsung	Key Board	Samsung	123	Wire	any

WEB BASED PURCHASED REQUISITION

KEYBOARD_RATE_MAST

ProductId	Rate	Date	Trend
1	200	1/5/2008	Nothing
2	1200	4/5/2008	Nothing
3	500	9/4/2008	Nothing

LOGIN_MAST

username	password	userid	userlevel
Venkat	Venkat	1	A
Sai	Sai	2	U
Ranga	Ranga	3	U
Vishnu	Vishnu	4	U
Rajiv	Rajiv	5	U
Venkatt	Venkatt	6	U

MODEM_MAST

ProductId	ProductName	ProductSpecs	MFGR	Speed	Type
1	Intel	Modem	Intel	123	Connector
2	Apple	Modem	Apple	127	Connector

MODEM_RATE_MAST

ProductId	Rate	Date	Trend
1	230	12/6/2008	Latest
2	456	4/5/2003	Previous

MOTHERBOARD_MAST

ProductId	ProductName	ProductSpecs	MFGR	MaxRam	MaxSlots	MaxSpeed	Type
1	Intel	MBoard	Intel	128	4	450	Connector
2	Apple	Mother Board	Apple	512	6	800	Connector

MOTHERBOARD_RATE_MAST

ProductId	Rate	Date	Trend
1	3600	7/05/2008	Previous
2	9000	8/04/2008	Latest

WEB BASED PURCHASED REQUISITION

3.4 Views/Tables Giving Reports:

Customer Details Report: This report is useful to generate customer details and it is using the following table CUST_MAST.

User Information Report: This report is useful to generate User Information Details and it is using the following table USER_MAST.

Cabinet Report: This report is useful to generate Cabinet details and it is using the following table CAB_MAST.

Keyboard Report: This report is useful to generate Keyboard details and it is using the following tables KEY_BOARD_MAST and KEY_DETAILS.

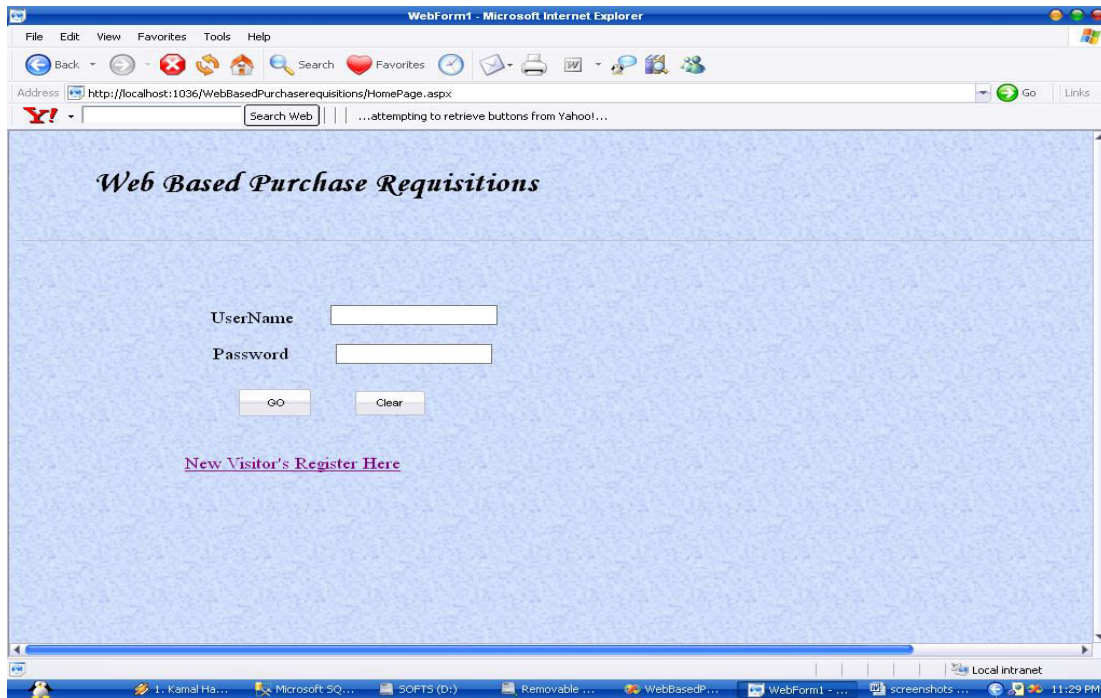
Modem Report: This report is useful to generate Modem details and it is using the following tables MODEM_MAST and MOD_DETAIL.

CD Drive Report: This report is useful to generate CD Drive details and it is using the following tables CD_MAST and CD_DETAIL.

CPU Report: This report is useful to generate CPU details and it is using the following tables CPU_RATE_MAST and CPU_DETAIL.

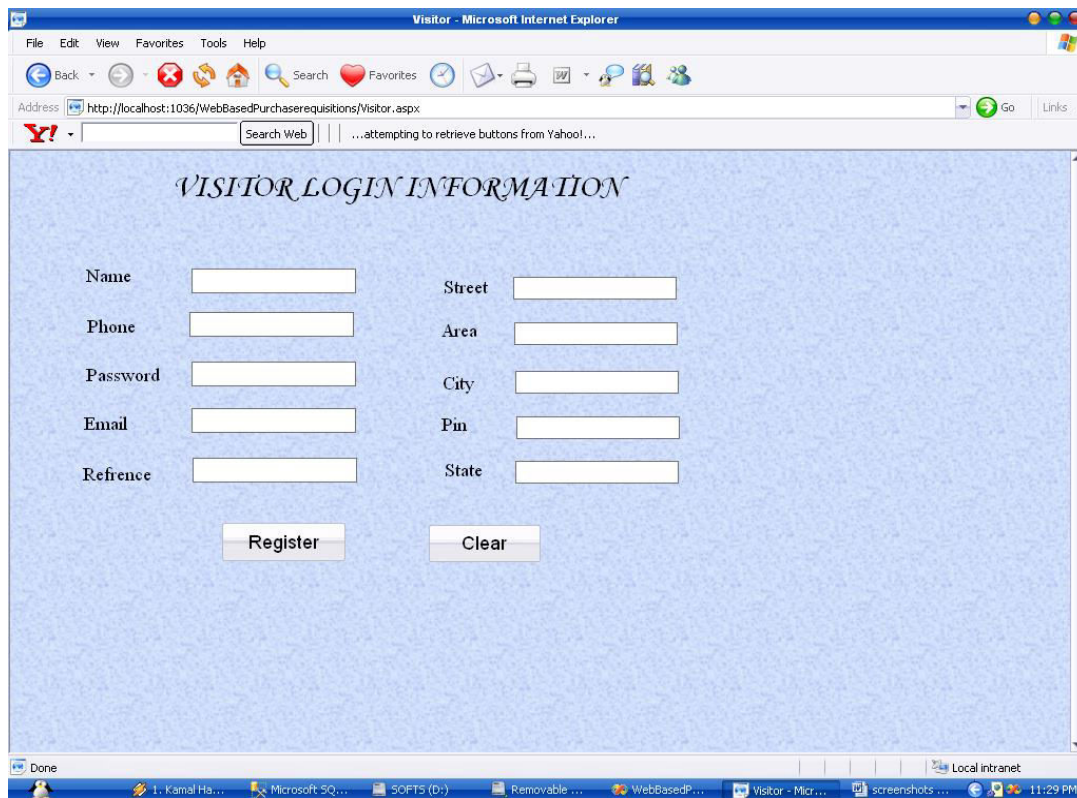
WEB BASED PURCHASED REQUISITION

3.5 Sample Forms



The screenshot shows a Microsoft Internet Explorer browser window titled 'WebForm1 - Microsoft Internet Explorer'. The address bar displays 'http://localhost:1036/WebBasedPurchaseRequisitions/HomePage.aspx'. The main content area has a light blue background and features the title 'Web Based Purchase Requisitions' in a decorative font. Below the title, there are two input fields labeled 'UserName' and 'Password'. Underneath these fields are two buttons: 'GO' and 'Clear'. At the bottom of the form, there is a link that reads 'New Visitor's Register Here'.

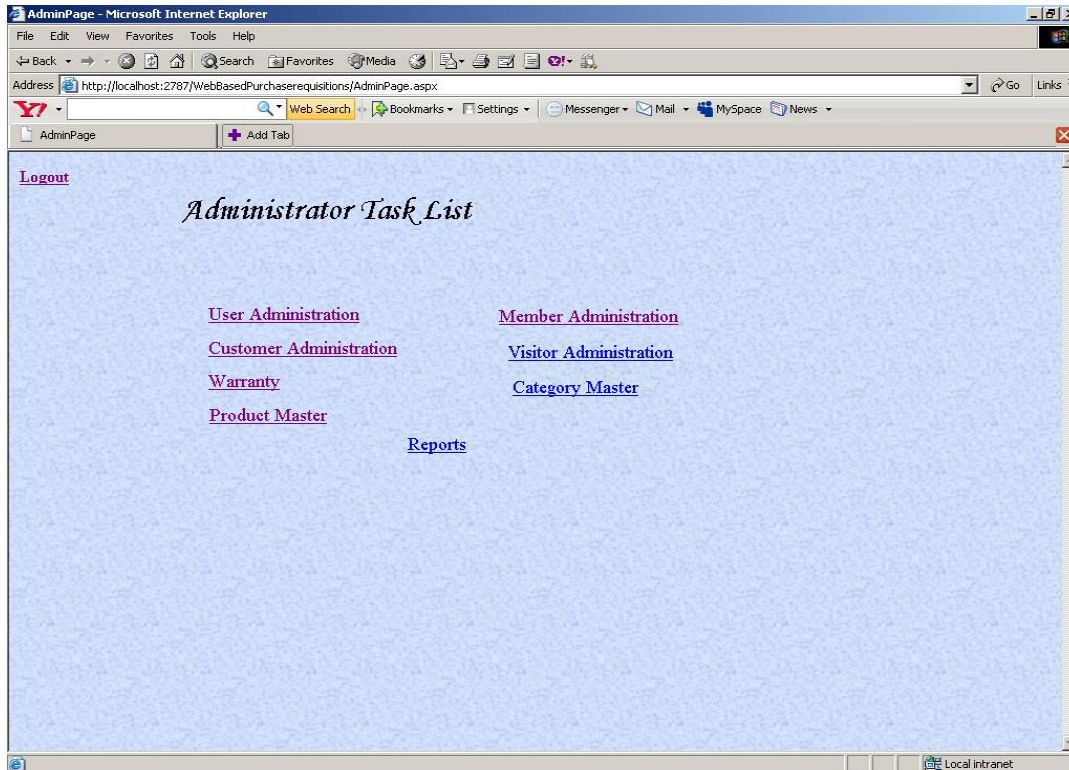
3.1. Login Form



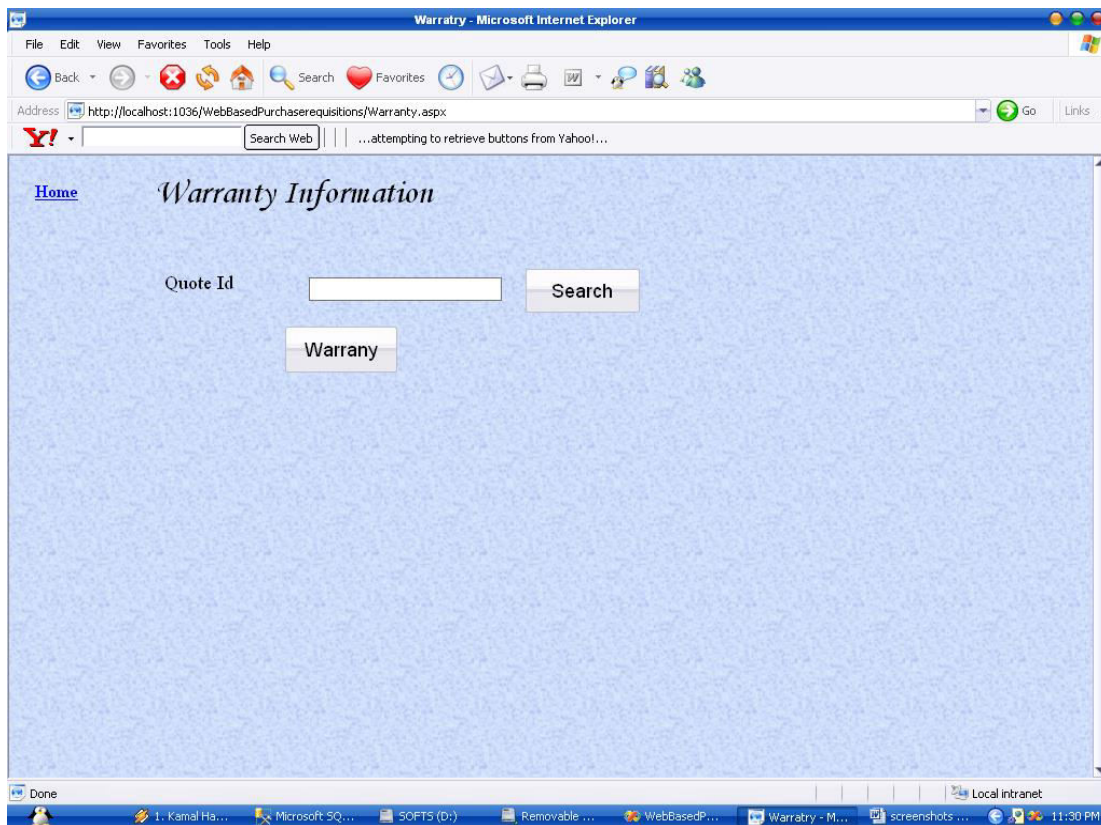
The screenshot shows a Microsoft Internet Explorer browser window titled 'Visitor - Microsoft Internet Explorer'. The address bar displays 'http://localhost:1036/WebBasedPurchaseRequisitions/Visitor.aspx'. The main content area has a light blue background and features the title 'VISITOR LOGIN INFORMATION' in a decorative font. Below the title, there are two columns of input fields. The left column contains fields for 'Name', 'Phone', 'Password', 'Email', and 'Reference'. The right column contains fields for 'Street', 'Area', 'City', 'Pin', and 'State'. At the bottom of the form, there are two buttons: 'Register' and 'Clear'.

3.2 To Create New Visitor Login Information

WEB BASED PURCHASED REQUISITION



3.3. Administrator Task List



3.4. Warranty Information

WEB BASED PURCHASED REQUISITION

CHAPTER 4

WALKTHROUGH

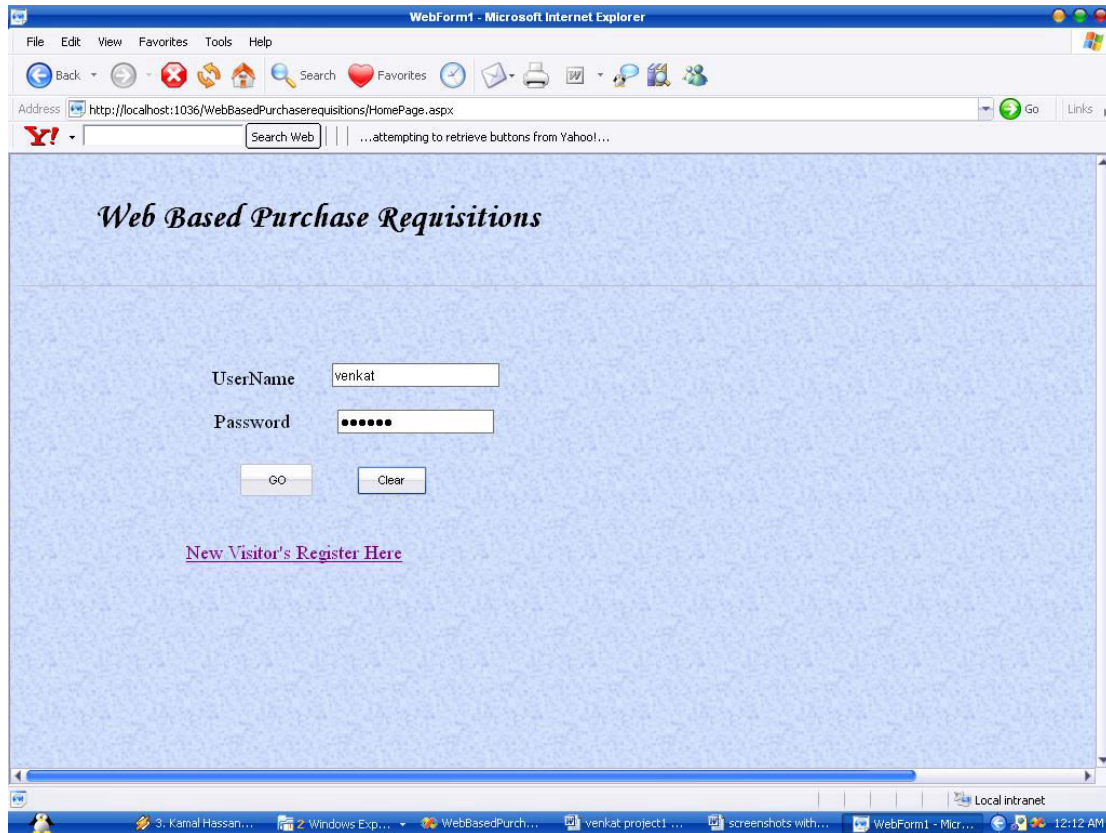


Figure 4.1 login Form

WEB BASED PURCHASED REQUISITION

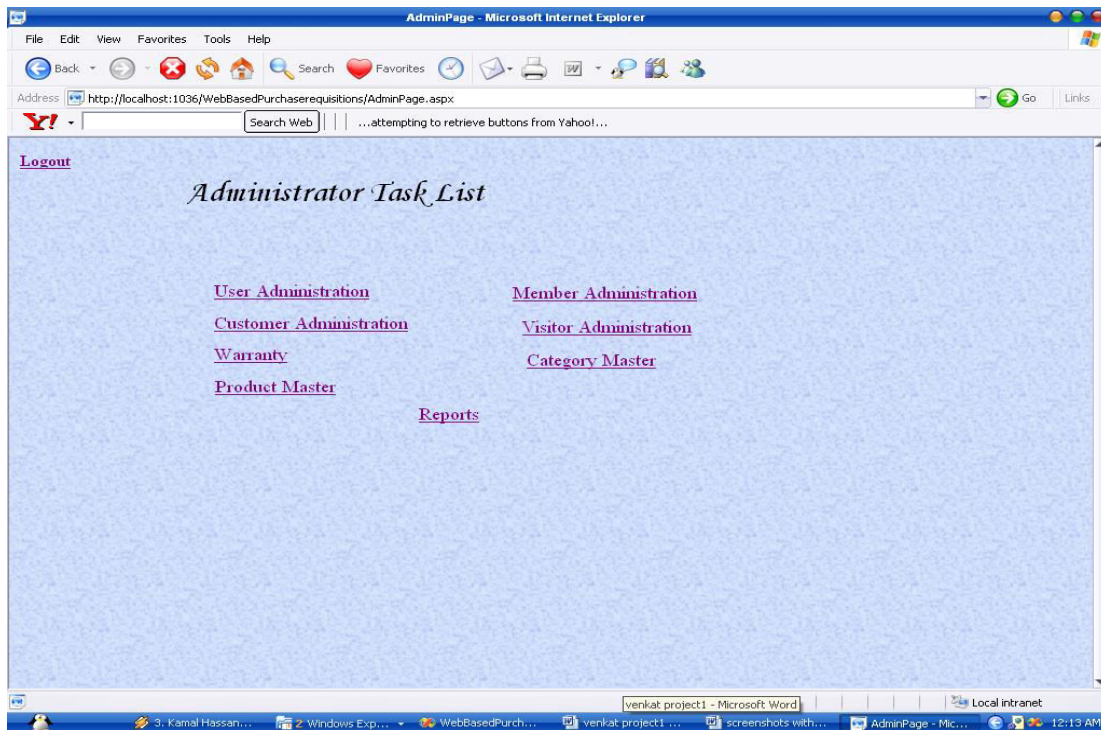


Figure 4.2 Administrator Task list

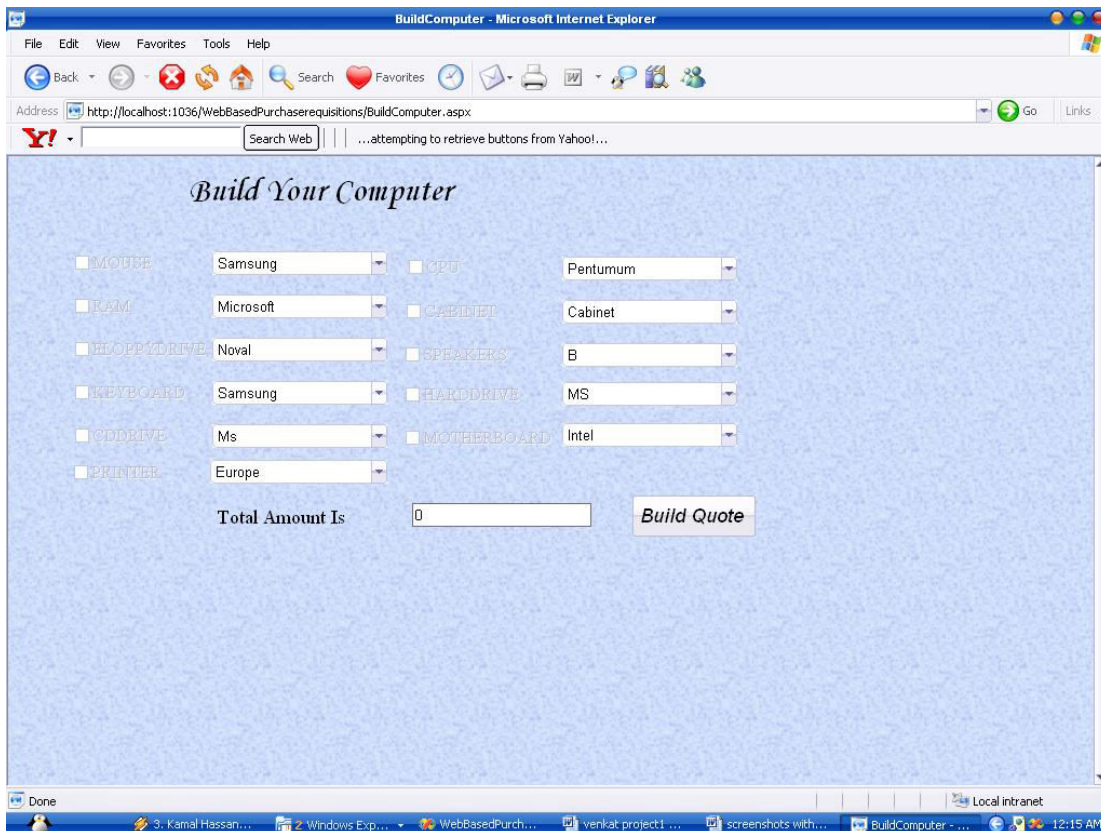


Figure 4.3 Build the Customer Choice Computer

WEB BASED PURCHASED REQUISITION

The screenshot shows a Microsoft Internet Explorer browser window with the address bar displaying `http://localhost:1036/WebBasedPurchasedRequisitions/Visitor.aspx`. The page title is "VISITOR LOGIN INFORMATION". The form contains the following fields:

Name	<input type="text" value="venkateswarlu"/>	Street	<input type="text" value="main"/>
Phone	<input type="text" value="9441442444"/>	Area	<input type="text" value="srisailam"/>
Password	<input type="password" value="....."/>	City	<input type="text" value="srisailam"/>
Email	<input type="text" value="venkat_klp@yahoo.co.in"/>	Pin	<input type="text" value="518102"/>
Reference	<input type="text"/>	State	<input type="text" value="ap"/>

At the bottom of the form, there are two buttons: "Register" and "Clear".

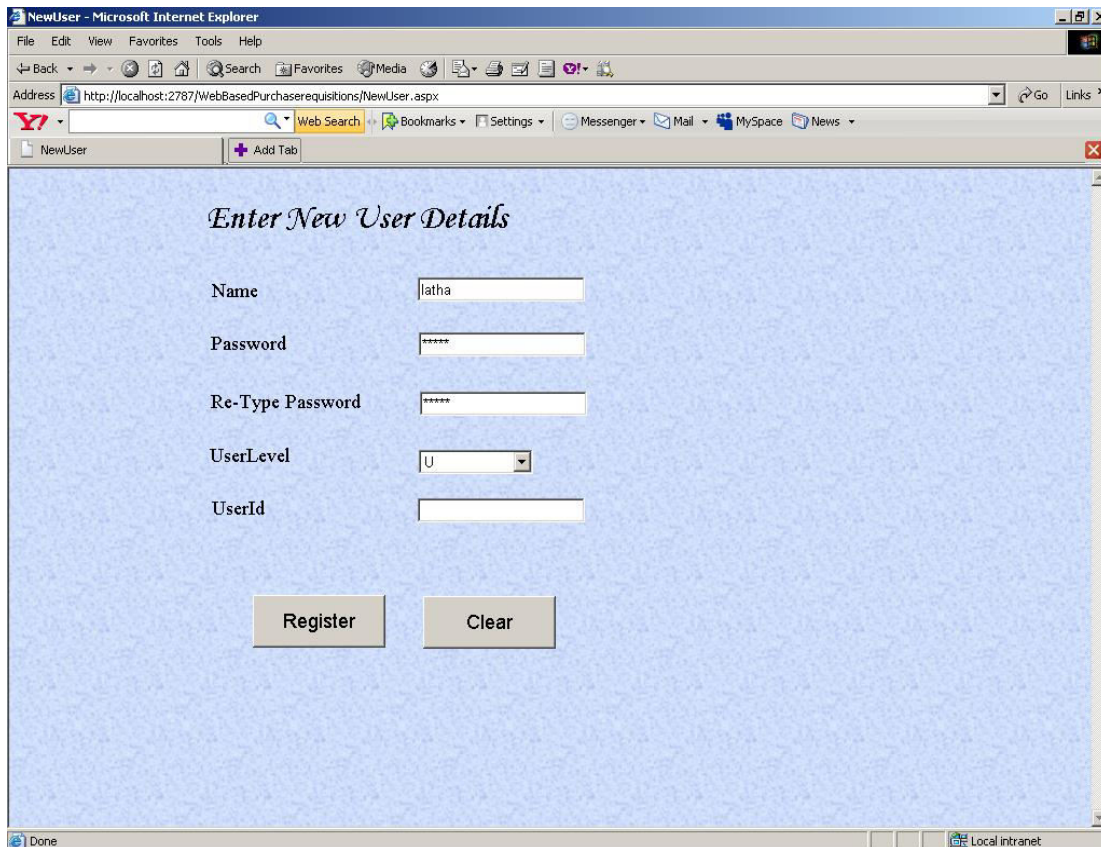
Figure 4.4 Visitor Login Information Form

The screenshot shows a Microsoft Internet Explorer browser window with the address bar displaying `http://localhost:2787/WebBasedPurchasedRequisitions/UserAdmin.aspx`. The page title is "USER INFORMATION DETAILS". There are two links: "New User" and "Home Page". Below the links is a table with the following data:

	UserName	Password	UserId	UserLevel	
Edit	nisha	nisha	9	U	Delete
Edit	Sai	Sai	2	U	Delete
Edit	Ranga	Ranga	3	U	Delete
Edit	Vishnu	Vishnu	4	U	Delete
Edit	Rajiv	Rajiv	5	U	Delete
Edit	vxcv	sdf	6	U	Delete
Edit	divya	divya	10	A	Delete
Edit	divya	divya	10	U	Delete

Figure 4.5 User Information Details

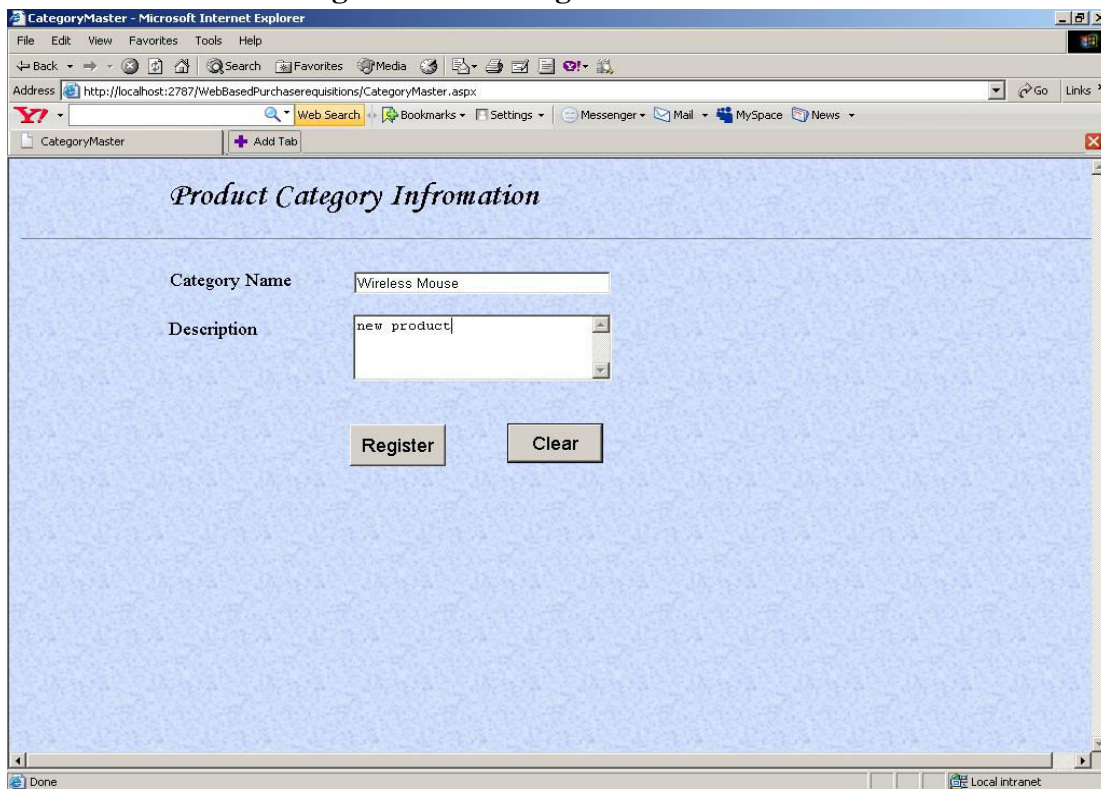
WEB BASED PURCHASED REQUISITION



The screenshot shows a Microsoft Internet Explorer browser window with the address bar displaying `http://localhost:2787/WebBasedPurchaserequisitions/NewUser.aspx`. The page title is "NewUser". The main content area has a light blue background and is titled "Enter New User Details". The form contains the following fields and controls:

- Name:
- Password:
- Re-Type Password:
- UserLevel:
- UserId:
- Register button
- Clear button

Figure 4.6 Entering New User Details

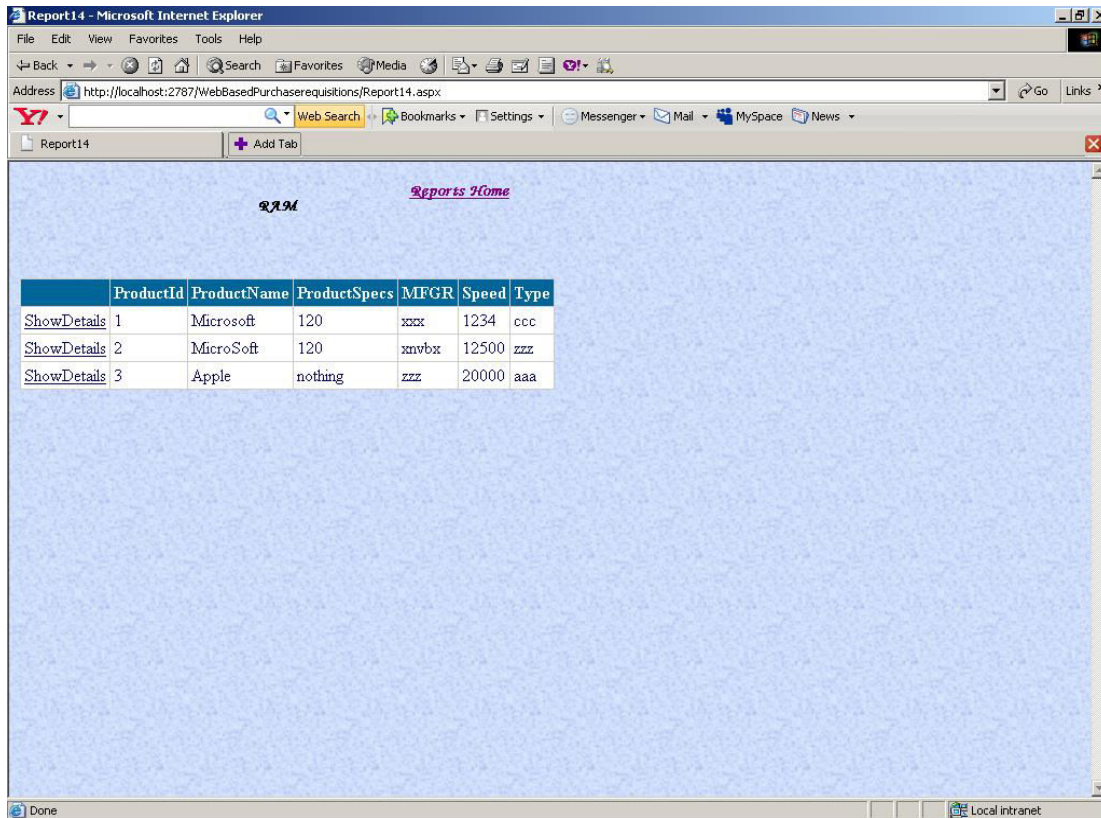


The screenshot shows a Microsoft Internet Explorer browser window with the address bar displaying `http://localhost:2787/WebBasedPurchaserequisitions/CategoryMaster.aspx`. The page title is "CategoryMaster". The main content area has a light blue background and is titled "Product Category Infromation". The form contains the following fields and controls:

- Category Name:
- Description:
- Register button
- Clear button

Figure 4.7 Product Category Information

WEB BASED PURCHASED REQUISITION



The screenshot shows a Microsoft Internet Explorer browser window displaying a report titled "RAM". The report content includes a table with the following data:

	ProductId	ProductName	ProductSpecs	MFGR	Speed	Type
ShowDetails	1	Microsoft	120	xxx	1234	ccc
ShowDetails	2	MicroSoft	120	xmvtbx	12500	zzz
ShowDetails	3	Apple	nothing	zzz	20000	aaa

Figure 4.8 Reports on RAM Details

WEB BASED PURCHASED REQUISITION

CHAPTER 5 CONCLUSION

It has been a great pleasure for me to work on this exciting and challenging project. This project proved good for me as it provided practical knowledge of not only programming in ASP.NET and VB.NET web based application and no some extent Windows Application and SQL Server, but also about all handling procedure related with “**Web Based Purchased Requisition**”. It also provides knowledge about the latest technology used in developing web enabled application and client server technology that will be great demand in future. This will provide better opportunities and guidance in future in developing projects independently.

5.1 BENEFITS:

The project is identified by the merits of the system offered to the user. The merits of this project are as follows

1. It's a web-enabled project.
2. This project offers Admin/User to enter the data through simple and interactive forms. This is very helpful for the client to enter the desired information through so much simplicity.
3. The user is mainly more concerned about the validity of the data, whatever he is entering. There are checks on every stages of any new creation, data entry or updating so that the user cannot enter the invalid data, which can create problems at later date.
4. Sometimes the user finds in the later stages of using project that he needs to update some of the information that he entered earlier. There are options for him by which he can update the records. Moreover there is restriction for his that he cannot change the primary data field. This keeps the validity of the data to longer extent.
5. User is provided the option of monitoring the records he entered earlier. He can see the desired records with the variety of options provided by him.
6. From every part of the project the user is provided with the links through framing so that he can go from one option of the project to other as per the requirement. This is bound to be simple and very friendly as per the user is concerned. That is, we can sit that the project is user friendly which is one of the primary concerns of any good project.
7. Easier and faster data transfer through latest technology associated with the computer and communication.

Limitations:

- The size of the database increases day-by-day, increasing the load.
- Simple computer operations are necessary for the users working on the system.

WEB BASED PURCHASED REQUISITION

5.2 Goals Are Not Met

- A console for the data centre may be made available to allow the personnel to monitor on the sites which were cleared for hosting during a particular period.
- Moreover, it is just a beginning; further the system may be utilized in various other types of Web based applications...

5.3 Remarks

It is not possible to develop a system that makes all the requirements of the user. User requirements keep changing as the system is being used.

As the technology emerges, it is possible to upgrade the system and can be adaptable to desired environment. Because it is based on object-oriented design, any further changes can be easily adaptable. Based on the future security issues, security can be improved using emerging technologies.

WEB BASED PURCHASED REQUISITION

APPENDICES

a) References

References for the Project Development were taken from the following Books and Web Sites.

- Microsoft Press
- Sql server2005 Online and Online Help support.
- Rocks Professional asp.net
- Anulish asp.net
- Software Engineering- RS Pressman
- Analysis And Design Of Information System- James A.Senn
- RDBMS- C.J. Date

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www.asptoday.com

www.aspfree.com

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