ONLINE TENDER MANAGEMENT SYSTEM

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Abstract - The aim of "Online Order Management System" is maintain the Tender details, employee details (department wise) and Item information details. This application is going to maintain list of invitations to tender details. Once tender is closed then the report will be generated automatically with granted tender details. In this system least amount bidder will become the owner of the particular tender**.**

1. INTRODUCTION

Over View of the Project

Initially to sign in into the site the customer has to get his user id and password and if he is a registered user he can directly login or if he is a new user he has to undergo the registration process. The details given by the customer in the registration form will be stored in the database. If he is a already registered user he has to give out the user id and password and if he gives wrong user id or password   he cannot enter into the site. After the user logged in he can view all the available tenders on the site. On clicking a particular tender he can view that tender details. The administrator software stores the tender details. Whenever new tenders are released the administrator software will upload that tender and make it available to the customers. After viewing the tender details if the customer is interested in coding to that tender he has to initially give out his credit card details .The card details given by the customer will be stored in the database. The card details given by him will be verified and then only he can download the tender application form. The tender application form will be word document so the customer can download the form through printer. If the customer is interested in another tender he can download that tender also by giving the credit card details. This is the main advantage of this system because the customer can download multiple tender forms. The customer can give out the feedback about this system on his will. The feedback given by him is stored in the database.

2. OVERVIEW OF THESYSTEM

PURPOSE OF THE PROJECT

The basic purpose of this system is to make available the tender documents online to the customers and download the tender application form. Daily many tenders will be released, and the new tenders are updated so that the customers can view them and if they are interested they can download the tender form.

PROBLEM IN EXISTING SYSTEM

Generally tender notifications are released through newspapers and the customers read them. If the customer has to code to a particular tender he has take a DD or Cheque in favor of the company name and then post it to the company so that they can get a tender from through which they can quote the tender. This involves a tedious and time-consuming manual procedure. This process may take no. Of days time delay occurs.

SOLUTION OF THESE PROBLEM

The development of this new system contains the following activities, which try to automate the entire process keeping in the view of database integration approach. User Friendliness is provided in the application with various controls provided by system Rich User Interface. The

system makes the overall project management much easier and flexible. It can be accessed over the Internet. Various classes have been used for file uploading and down loading. The user information files can be stored in centralized database which can be maintained by the system. This can give the good security for user information because data is not in client machine. Authentication is provided for this application only registered users can access. User can share is data to others, and also he can get data from others. There is no risk of data management at any level while the project development is under process. Report generation features is provided using Data reports to generate different kind of reports.

PROPOSED SYSTEM

Full on-line tender handling system with online tender documents helps the customer to reduce his manual work. He can just sit in front of a computer and following the instructions he can download the tender forms. The goal of the work is to bring down the work of the customer with the increased efficiency and to speed up his activities. Availability of Detailed Tender Documents. An integrated normalized relational database is maintained. Pre defined queries for generation of any specific enquiry purposes.

ADVANTAGES

Increased compliance with strategic procurement contracts. Reduced eccentric spend. Efficient search of products and alternative choices. Control over requisition approval. Shorter order and delivery time. Monitoring of the suppliers and their product portfolio. Improved tender process automation and control. Lowered cost of supplier participation.

STUDY OF THE SYSTEM

In the flexibility of uses the interface has been developed a graphics concept in mind, associated through a browser interface. The GUI's at the top level has been categorized as follows

1.   Administrative User Interface Design
2.   The Operational and Generic User Interface Design

The administrative user interface concentrates on the consistent information that is practically, part of the organizational activities and which needs proper authentication for the data collection. The Interface helps the administration with all the transactional states like data insertion, data deletion, and data updating along with executive data search capabilities.The operational and generic user interface helps the users upon the system in transactions through the existing data and required services.   The operational user interface also helps the ordinary users in managing their own information helps the ordinary users in managing their own information in a customized manner as per the assisted flexibilities.

NUMBER OF MODULES: The system after careful analysis has been identified to be presented with the following modules:

The Modules involved are

- Registration
- Administration
- Tender Issuer and Customer Process
- Authentication
- Search
- Reports
- Feedback

Registration Process:

As the tender process requires security aspects, the primary function is to register the user who wants to see the tender on-line. Proper validations will be provided to keep only authenticated users i.e. those users who will provide correct information. All the data supplied by the user will be stored in database and it will be used for further validation and authentication. During registration, user has to give login and password of their choice. Login names and passwords will be stored

in the database so that the user can directly login without registering again and again. The login name can be numeric or characters or both and the password should not exceed more than eight characters. The customer should also give user-id-number for further validations. The customer has to give the login name and user-id-number during the feedback process. During the login process the customer should give login name and password and in case if he gives a wrong login name or password a page informing the customer to check his name and password will be displayed.

Administration Process:

In this process Administrator will upload the new tenders information in the database .The tender information will be supplied by the tender issuing company .It includes name of the issuing company, caption of the tender, cost of the tender documents etc., Stored tender documents will be viewed by the customer after he has logged on to the site, so this makes user easy accessing regarding the tender documents and can make up which tender he needs to code that particular tender. The administrator will load or clear the particular tender notice. After the administrator loads the tender document into the database it will be available in the tender documents which can be viewed by the customer. When the customer logs on to the system he gets the page with all the available tenders links. So the administrator should add the new tender document as soon as he uploads the new tender document to the available tenders page as a clickable link. When a particular tender is clicked then the page with that particular tender information will be displayed. The administrator should add the tenders when he uploads the new tenders so that the customers can view the tender.

Tender Issuer and Customer Process

Initially to sign in into the site the customer has to get his user id and password and if he is a registered user he can directly login or if he is a new user he has to undergo the registration process. The details given by the customer in the registration form will be stored in the database .If he is a already registered user he has to give out the user id and password and if he gives wrong user id or password   he cannot enter into the site. After the user logged in he can view all the available tenders on the site. On clicking a particular tender he can view that tender details. The administrator software stores the tender details. Whenever new tenders are released the administrator software will upload that tender and make it available to the customers. After viewing the tender details if the customer is interested in coding to that tender he has to initially give out his credit card details .The card details given by the customer will be stored in the database. The card details given by him will be verified and then only he can download the tender application form. The tender application form will be word document so the customer can download the form through printer. If the customer is interested in another tender he can download that tender also by giving the credit card details. This is the main advantage of this system because the customer can download multiple tender forms. The customer can give out the feedback about this system on his will. The feedback given by him is stored in the database.

Authentication

Authentication is nothing but providing security to the system. Here every must enter into the system throw login page. The login page will restrict the UN authorized users. A user must provide his credential like user Id and password for log into the system. For that the system maintains data for all users. Whenever a user enters his user id and password, it checks in the database for user existence. If the user is exists he can be treated as a valid user. Otherwise the request will throw back.

Transaction Process

After the user has given a valid login name and password he can view the available tender's page.

To view the details of a particular tender he has to click on that link so that he can view the tender document details, so that he can get full information about the tender. If the customer is fully satisfied with that tender and he is interested in downloading, he will be charged. The customer can pay this amount through credit card, for this transaction he need to give his card details such as bank name, card number and valid date/month. After receiving the credit card details from the customer proper validations are carried. If the details provided by the customer are invalid he will not be able to download the tender form. The customer can download the tender form in case the details are valid. The tender form that is a word document is to be downloaded by the customer. If the customer is interested in viewing other tenders he can come back to page where the tenders are displayed and the same process continues. The main requirement of the customer in this system is that he should have a valid credit card. If the user does not have the credit card from one of the listed banks then access will be denied.

Search

Different search facilities are provided to customers in this system. Normally search can be done on different criteria. For that purpose the system is having search capabilities like

Simple Search: By using the system interface customer/Visitors can able to find results by selecting some options and get valuable information from the database.

Category wise Search: Customer/Guest having a facility to get business information through category wise based on alphabetical order. Simply he can choose an alphabet and get the corresponding category wise business company details. SQL server database is play vital role in the performing of Search techniques.

Reports

This module is used to print various online reports. This module will be enabled only to the admin type of users. Reports contains various information about the Tenders.Report takes the Date and from / to date as input and generates the report.

Feedback Process

Proper Feedback will be handled through user's input. Feedback will be required for the proper functioning of the utilities as supplied by the project. The feedback given by the customer will be stored on the main database of the system. The user will be asked to give his user id, user id number, email and his comments or suggestions to the system. Any system need feedback in order to estimate performance of the system .If the customer feedback is not satisfactory then modifications are done. The feedback given by the customer is considered in order to improve the efficiency of the system. If the customer gives a justified suggestion his suggestion will be considered in developing the system.
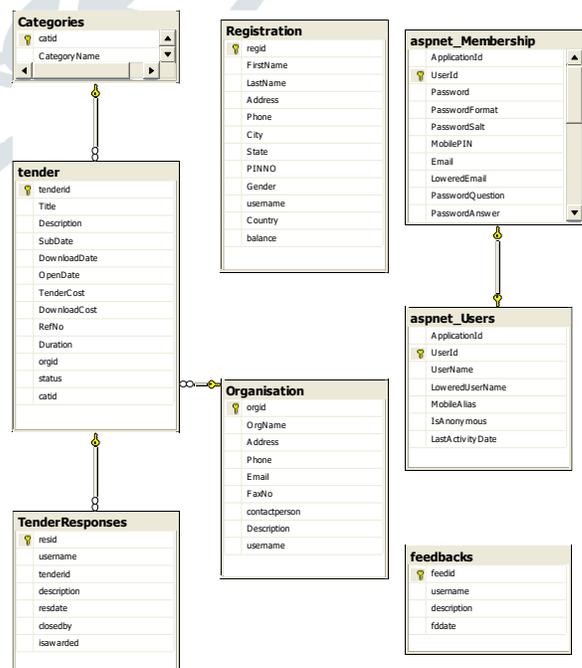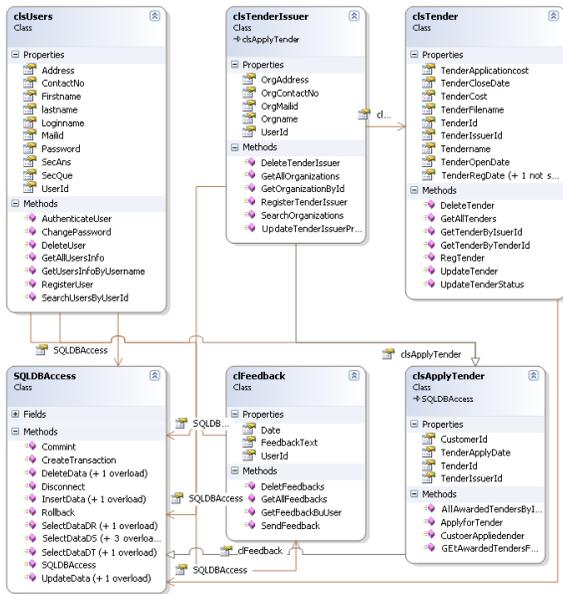
3.SYSTEMDESIGN

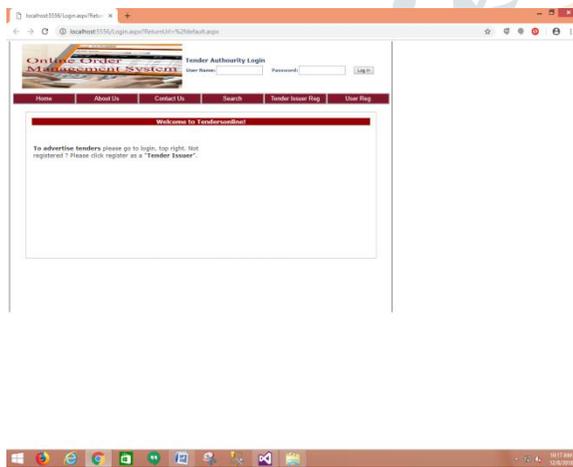Fig 3.1: ER Diagram

Fig 3.1: Class Diagram

Fig4.2: Customer Registration Page

Fig 4.3: Admin Login Page

4. OUTPUT SCREEN SHOTS
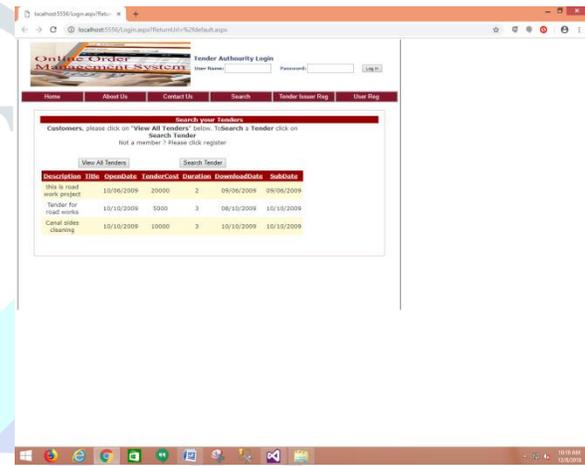

Fig 4.1:Home Page

5. CONCLUSION AND FUTURE ENHANCEMENT

It has been a great pleasure for me to work on this exciting and challenging Online application for the **Online Tender Management System**project.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.

BENEFITS:

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

- It's a web-enabled project.

- This project offers 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.
- 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.
- 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.
- 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.
- 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 sat that the project is user friendly which is one of the primary concerns of any good project.
- Data storage and retrieval will become faster and easier to maintain because data is stored in a systematic manner and in a single database.
- Decision making process would be greatly enhanced because of faster processing of information since data collection from information available on computer takes much less time then manual system.
- Allocating of sample results becomes much faster because at a time the user can see the records of last years.
- Easier and faster data transfer through latest technology associated with the computer and communication.
- Through these features it will increase the efficiency, accuracy and transparency,

LIMITATIONS:

The size of the database increases day-by-day, increasing the load on the database back up and data maintenance activity.

Training for simple computer operations is necessary for the   users working on the system.

6. REFERENCES

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