Trade and Commerce Membership Facilitation for Industries and Proposed System

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Abstract

The project TCMF is required to create an online web form for industries to enroll themselves to register with the organization, which promotes the business of its registered members. The organization is a government of India Enterprise, which verifies the organization thoroughly before proceeding with its promotion. In addition to promotion it also facilitates many other services to its registered members. The web form will be self-explanatory to provide convenience to rural industries owners with common FAQ's and feedback to help them filling up the form easily. The form will contain some pre-options in its attributes so to easily be marked and reduce the hassle of typing, but will also contain text boxes wherever extra description might be required to store in association with the respective industry. The membership form can also be filled by the organization online which contains all the necessary information of the organization with facility to upload proofs of documents required by respective organization to list them as their member.

Keywords: GUI, membership, organization, TCMF

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INTRODUCTION

The objective of the project TCMF is to provide convenience to people, i.e., to be able to enroll the services and Trade promotion through organization sitting from anywhere in the world, a hassle free service which takes less than 5 minutes to register. The membership form can be filled by the organization online which contains all the necessary information of the organization with the facility to upload proofs of documents required by organization to list them as their member. The membership is acquired after payment of fees (for 1 year) to organization using Demand Draft only. Organization will be provided a login identification for accessing their services. The information organization will also be provided a separate website url. This will help the small organization and industries to promote their industries boost and advertize their business through trade within India and in other countries as well. The project is based on building a web Application form using ASP.net and installing it on web server. The form will be accessible through organization website link.[1]

ADVANTAGES OF PROPOSED SYSTEM

- Very simple and easy to implement
- Protection of data
- ensure data accuracy
- Administrator discretion and control over the entire system
- online facilities
- Reduces manual data entry
- Greater efficiency
- User friendly and interactive
- Less time consuming

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BENEFITS OVER PREVIOUS WORKING SYSTEM

- No scope for feedback.
- No mobile Alerts.
- Change process very slow.
- Hints help and video links for users.
- Registration allowed before payment.
- Easy updations.
- Many other features made available online.

LIMITATIONS

- The mode of payment in not online.
- Invoice generation will not be instant and will be send through Email, and cannot be printed online.
- User can take only 1 year of membership (Maximum).

Project Description

The project has been split into 3 modules, which have been further subdivided into:

(1) GUI or Design
(2) Logic
(3) Data

(1) GUI or Design Module

The GUI module is the interface module in the project. The key perspectives and advantages preparing for such module was to keep simplicity in mind so as to provide better understanding of the form with contact numbers and help lines running on top of every page with latest updates to make it more user friendly, the page will also contain links to videos explaining the benefits of membership with organization. The url assigned to user will contain a basic information with about the respective organization with the scope to easily update the changes in organization which can be done by the organization administrator as well.[2]

The site will deal with the foreign organization so design has to be kept in mind giving understanding of our location and usage of terms and design matching the global standard methods for convenience for all.

(a) Slideshow Module
Gui module features the slideshow presentation on benefits of trade with organization. The design is done using ajax, which enables or runs on the right side of form, showing useful information to foreign users and benefits in forms of images and runs continuously with latest additions adding to slideshow module.

(b) Content Module
Keeps all the information about organization in interest for members with plans and options helping industries choose what is right for them and various developments, achievements, and offerings.

(c) CSS and Design Templates
It contains the design templates to be implemented on various pages of the project. the benefits of css are the can directly be implemented on multiple pages while writing it just once and inheriting it directly.

(2) Logic Module

Logic Module will be written in c# language containing multiple web pages to fill information for registration, login and payment and through them and a save and edit feature well. The logic will be simple and fast and a session will be provided for the ease of the user, the logic will contain hints for user to enter what type of information and how next to its respective box.

(a) Login Module
Login module contains the links to users page which has his basic information and all other updates about upcoming fairs,

exhibitions, expos and fairs will automatically be posted on it in his messages section, as a direct point of contact between the organization and organization. The login page will also contain basic tips and tricks to keep id secure and help related queries.

(b) Registration Module
The registration module will have drop down menus for registering easily, and in case the information is not present in drop down menu, other text box is present to explain in case for entering if some new information has been added, user can still register without waiting the information to be updated in our drop down menu first. The registration menu will have online document upload facilities to upload the document in the form of .pdf and .doc extension.

(c) Payment Module
For security reasons, the payment has been kept through draft only, on receiving which the user can apply for a login id, his account will not be generated before that but there will be provision to save his information during registration which will be valid for 3 weeks awaiting the draft no. to generate his id. The id will be auto generated and sent through Email.

(3) Data Module
The data module covers on how the database will be stored and how the respective documents will be managed as well. The database will follow the regular 3-tier architecture and also hopes to achieve all normalization rules. The database will have mapping and search optimization for quick search of data. Data will be inserted through stored procedures and display will be done through join and views. The connection exceptions will be handled specially and both connected and disconnected architecture will be used.

(a) Pre-fed Information

The database will constantly be updated for pre-fed information like city codes, country codes and information in drop down menus. It will also have the data saved with respect to creation date for better understanding of data. Data will be kept in small independent tables and views will be preferred instead of keeping a big database table.

(b) User Data
User data will be stored in such a way so it will be optimized for better performance and search, so the data can be used in other software to list out the benefits of user from organization and inform him about it. User data will be kept in secured space to protect integrity of organization. Relevant user data will be grouped together for better understanding of data but to the point where redundancy will not be noticeable. Regular back up of data will be done (once a day) and stored in a different and secured place.

(c) Fair Data
Fair Data will be stored in such a way, that its hs-code will be compared to users business HS codes list and he will only see the necessary information. The information of all latest and upcoming fairs will be entered into system with all important details from which only the registered user will be able to see all the details.[3]

Proposed System
The proposed system solves problems related to data accessing problems, because it helps the user to add details of the changes and updates to database easily, improving data, easy searching and also provide editing of data's in the database.

The system, which solves the problems of foreign users, needs information through communication such as feedbacks and messages. Most important feature of the project is Online Registration System with the help of which and organization can see

various events going on in the country and participate in it by registering with just a click of a button Interactive GUI System and slideshow of updates helps customer know about latest upcoming and other enquiry numbers to our consumers for better reachability. The system guides the user with hints to a naïve system user who can easily participate in trade promotion irrespective of from rural or urban area. The payment is a system is kept secure, i.e., through Demand Draft in company's accounts to prevent frauds, bribery, corruption, and hacking as well. The software features Email Service to send important notifications and announcements and reminders as well to its valuable customer

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