MUNICIPAL ADMINISTRATION SYSTEM

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ABSTRACT

A municipality is an administrative entity composed of a clearly defined territory and its population and commonly denotes a city, town, or village, or a small grouping of them. A municipality is typically governed by a mayor and a city council or municipal council. The notion of municipality includes townships but is not restricted to them. A municipality is a general-purpose district, as opposed to a special-purposedistrict. Local bodies are classified into Municipal Corporations, Municipalities of different grades and Nagara Panchayats depending upon the population and income of the Urban Local Body.

1.INTRODUCTION

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2. OVERVIEW OF THESYSTEM

2.1 PURPOSE OF THE PROJECT

A municipality is an administrative entity composed of a clearly defined territory and its population and commonly denotes a city, town, or village, or a small grouping of them. A municipality is typically governed by a mayor and a city council or municipal council. The notion of municipality includes townships but is not restricted to them. A municipality is a general-purpose district, as opposed to a special-purpose district.

Local bodies are classified into Municipal Corporations, Municipalities of different grades and Nagara Panchayats depending upon the population and income of the Urban Local Body. These Urban Local Bodies have been constituted with the objective of discharging.

Obligatory functions of this system

- Supplying of drinking water
- Providing and maintaining drainage and sewage systems
- Public street lighting
- Maintaining sanitation and hygiene of public places
- Maintenance of public parks and gardens
- Ensuring systematic / planned urban growth

2.2 EXISTING SYSTEM

It's a limited system and fewer users friendly. Searching of particular information is very critical it takes lot of time. The system doesn't have the facility of 24 X 7.The existing system calculating advertisement tax is really a tough job. There is no possible way to maintain the assets; inventory means purchase / Acquisition of Assets, calculating depreciation etc. in this system. Maintaining the Birth and Death records are a tedious job in the existing system. Grievance handling and status reporting to citizen is not possible.

2.3 PROPOSED SYSTEM

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. It can be accessed over the Internet. 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 members can access. Report generation features is provided using crystal reports to generate different kind of reports.

The purpose of the advertisement tax module is to specify the requirements of the advertisement tax system, and calculating necessary tax amount is very flexible. Asset and inventory module in the proposed system describes purchase/acquisition of assets, calculating depreciation, sale of Assets, purchase/Issue of product processing of issue returns, purchase returns and wastage of products. The system has an interface of grievance handling and status reporting to citizen.

2.4 STUDY OF THE SYSTEM

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

1. Administrative user interface
2. The operational or generic user interface

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 interfaces help the administrations with all the transactional states like Data insertion, Data deletion and Data updating along with the extensive data search capabilities.

The operational or 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

2.5 NUMBER OF MODULES

The system after careful analysis has been identified to be presented with the following modules: The Modules involved are

1. Municipality Administrators
2. Municipality Officers

3. Citizens (General Public)
4. Advertisement Tax
5. Asset and Inventory Module
6. Web Registration
7. Search
8. Reports
9. Authentication

Municipality Administrators

Administrator is a super user treated as owner of this site. He can have all the privileges. The admin services are some reusable components for the MAS and common services like user authentication, user service role mapping and user management.

Administration can keep track the following tasks:

- Advertisement Tax
- Asset and Inventory System
- Birth & Death Registration

Municipality Officers

The working employee on a municipality is called as municipality officers. They can perform different functionality on the municipality.

Advertisement Tax: Purpose of these advertisement tax modules is to specify the requirements of the advertisement tax system. The employees need to calculate the tax percentage of an advertisement tax belongs to that municipality on a particular period of time interval.

Asset and Inventory: Asset and Inventory module facilitates with the purchase/acquisition of Assets, Calculating depreciation, sale of assets, purchase/Issue of products, processing of issue returns, purchase returns and wastage of products.

Birth & Death Registration: This system automates the citizen's birth, still birth and death details, issuing of birth and death details, issue of birth certificates, death certificates and service charge details.

Citizens (General Public)

Citizens also have to participate in this system. They can pay advertisement tax by the help of this system. If a citizen wants to need birth and death registration certificates they can send a request through this system.

Web Registration

The system has a process of registration. Every citizen need to submit his complete details in the form of registration. Whenever a user registration completed automatically user can get a user id and password. By using that user id and password member can log into the system. If registration process is completed successfully an email remainder is generated and sends to the citizen.

Reports Different kind of reports is generated by the system.

- Different types of reports on daily, monthly, weekly, annual basis, date range etc.
- Reports for customer escalation and contest.
- Reports on feedback by the customer and new requirements.

2.6 PRAPOSED SYSTEM

To debug the existing system, remove procedures those cause data redundancy, make navigational sequence proper. To provide information about users on different level and also to reflect the current work status depending on organization. To build strong password mechanism.

2.7 FUNCTIONAL FEATURES OF THE MODEL

As far as the project is developed the functionality is simple, the objective of the proposal is to strengthen the functioning of Audit Status Monitoring and make them effective and better. The entire scope has been classified into five streams knows as Coordinator Level, management Level, Auditor Level, User Level and State Web Coordinator Level. The proposed software will cover the information needs with respect to each request of the user group viz. accepting the request, providing vulnerability document report and the current status of the audit.

2.8 INPUT AND OUTPUT

The major inputs and outputs and major functions of the system are follows:

Inputs:

- Admin/Municipal Officers/Employees enters user id and password for login.
- User enters his user id and password for login.
- New user gives his completed personnel, address and phone details for registration.
- Admin gives different kind of user information for search the user data.
- Administrator giving information to generate various kinds of reports.

Outputs:

- Admin can have his own home page.
- Users enter their own home page.
- The new user's data will be stored in the centralized database.
- Admin get the search details of different criteria.
- Different kind of reports is generated by administrator.

3.SYSTEM DESIGN

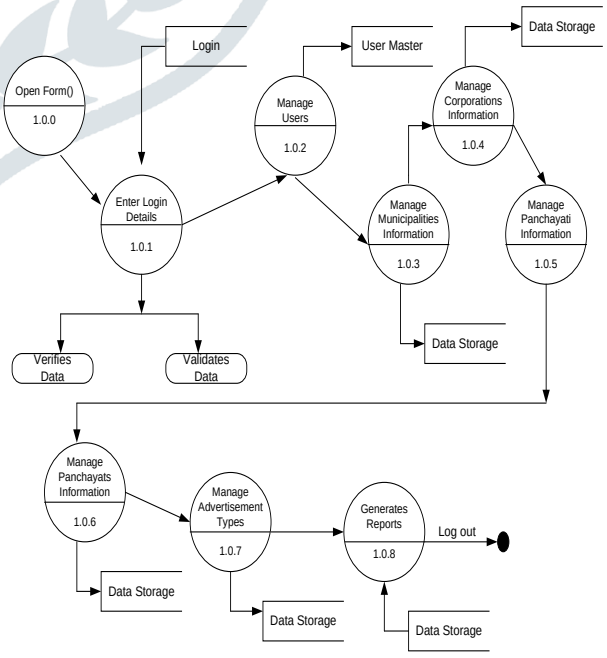

Fig 3.1: **Admin Details Data Flow**

Fig 3.1Admin Usecase Diagram

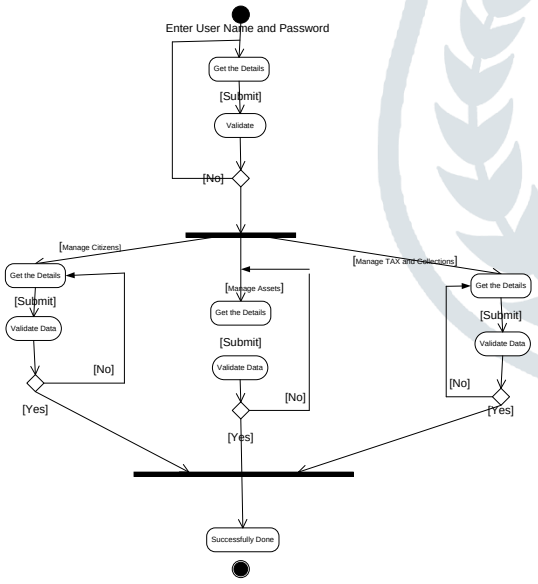

Fig 3.2: Employee Activity Diagram

4. OUTPUT SCREEN SHOTS

Fig 4.1:Home Page

Fig4.2: Admin Login Page

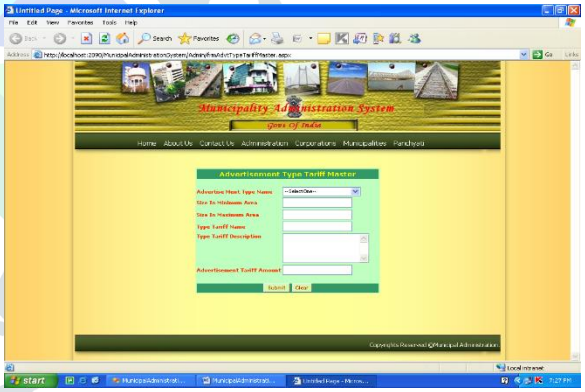

Fig 4.3: Advertisement Type master Page

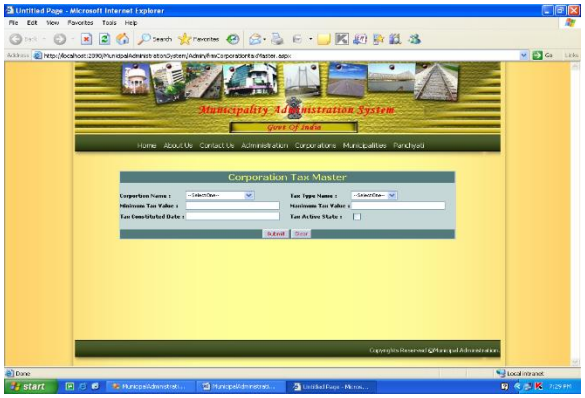

Fig 4.4: Corporate Type master Page

5. CONCLUSION AND FUTURE ENHANCEMENT

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 C#.NET web based application and no some extent Windows Application and SQL Server, but also about all handling procedure related with **"Municipal Administration System".** 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 updation 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.

FUTURE IMPROVEMENT

- It can be implemented to upload files with an huge amount of size with the support of various file formats.
- This System being web-based and an undertaking of Cyber Security Division, needs to be thoroughly tested to find out any security gaps.
- 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 auditing operation viz. Network auditing or similar process/workflow based applications.

6.REFERENCES

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