WATER SECURITY MANAGEMENT SYSTEM

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Abstract - To create a user-friendly online interface for citizens to communicate with administrative body and, reduce the distance and time barrier between citizens and administration, To create a online platform where people can share ideas, invoke discussions, issue complaints, create suggestion/petitions for improvement of city administration. To encourage the citizens to actively participate in city administration to bring transparency and flexibility in system**.**

1. INTRODUCTION

Scope of the Project

I. Users should be able to create new account, log-in to their existing accounts which will give them the authority to use the services provided by the system.

II. Authenticated users should be able to issue complaints, check complaint status, submit feedback, and browse through other complaints and their feedback.

III. Authenticated users should be able to create suggestions forward suggestions to corresponding authority for possible implementation.

IV. Users can share their experiences; discuss common problems, and the possible solution;

V. Give response to complaints

VI. NGO's can publicize their social causes on the site.

2. OVERVIEW OF THESYSTEM

PROBLEM IN EXISTING SYSTEM

- Limited hour service availability in the current system.

- Lack of involvement of people in exhibiting their responsibilities towards society.

- In this system citizen can go the govt. office manually to give the complaints

- The can give the feedback, complaints, suggestion through paper format.

- The manual system gives us very less security for saving data; some data may be lost due to mismanagement.

- It's a limited system and fewer users friendly.

- Searching of particular information is very critical it takes lot of time.

- It is very critical to maintain records manually for physical devices of a computer. Because organizations contains computers on different configurations.

- There is no way to access the system from the side of any client.

SOLUTION OF THESE PROBLEMS

- 24 /7 service availability in this system.
- Citizens can actively participate in city administration to bring transparency and flexibility in system.
- Citizens can share their ideas
- People can issue complaints
- Citizen can give the suggestions for improvement of city administration.

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 Intranet.

- The user information 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.

- There is no risk of data management at any level while the project development is under process.

- Categorization of computers in the database make easy to identify the various computer peripherals.

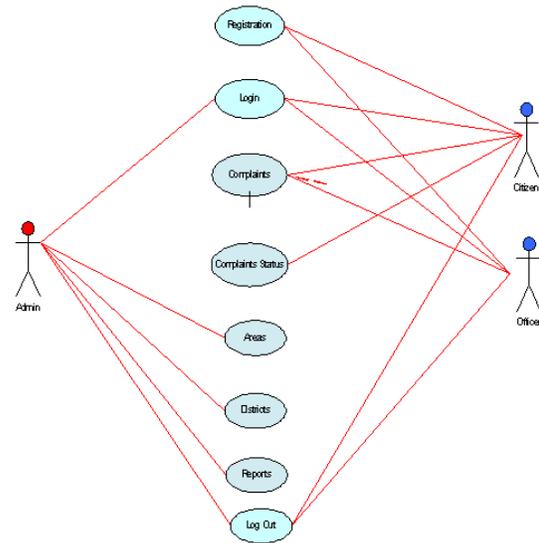- Report generation is provided.

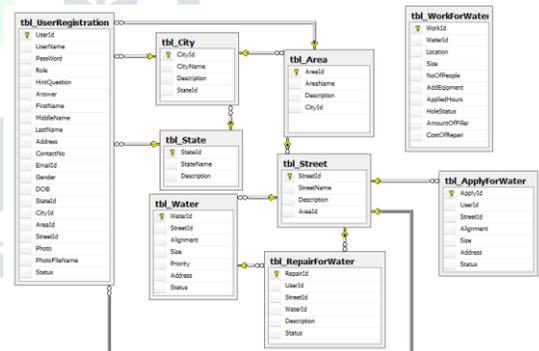## 1. DESIGN &OUTPUT SCREEN SHOTS

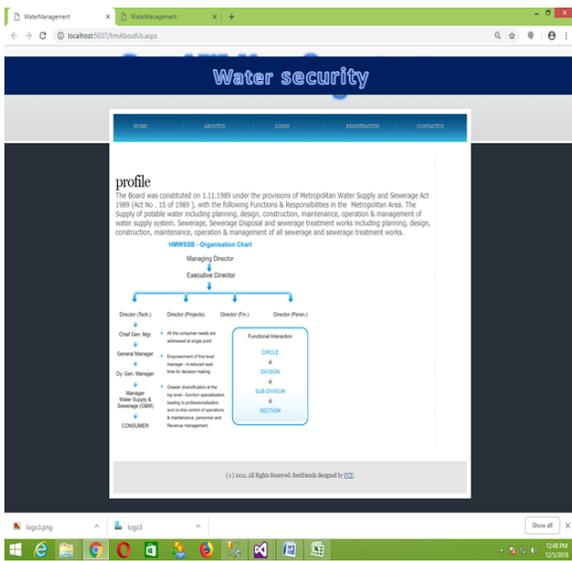Fig 3.1:**Overall Use case Diagram**

Fig 3.1:**ER Diagram**
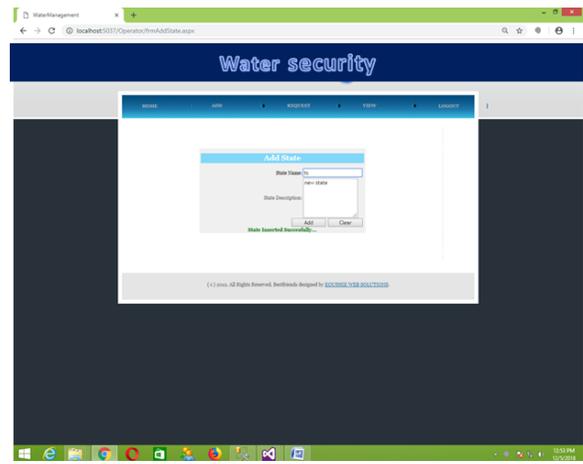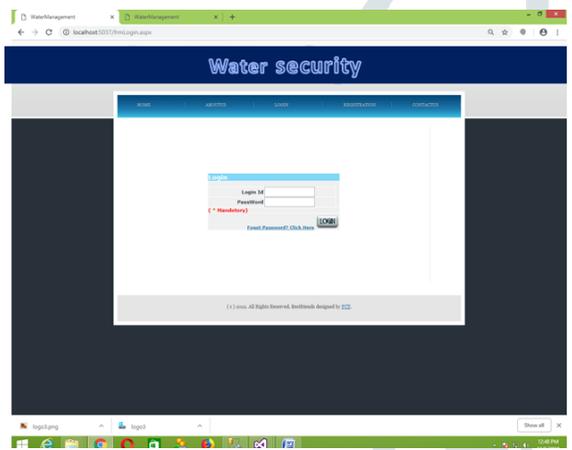
Fig 3.3: Home Page

Fig3.4: Login Page

Fig 3.5: employee Registration Page

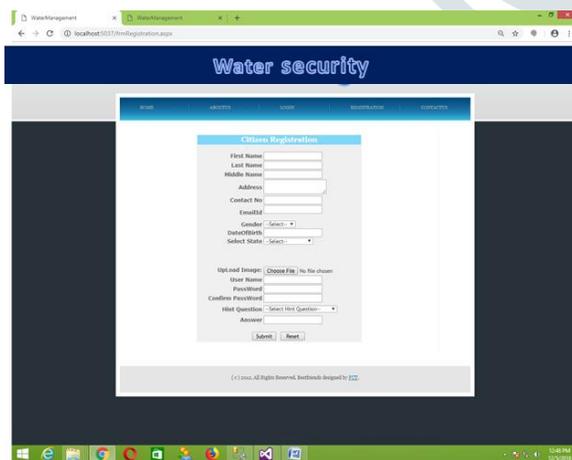

Fig 3.6: Add State Page

4. CONCLUSION AND FUTURE ENHANCEMENT

It has been a great pleasure for me to work on this exciting and challenging Online application for the Improve Water Security 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.

5. REFERENCES

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