AADHAR UNIQUE CARD MANAGEMENT SYSTEM FOR ONLINE TRANSACTIONS IN REAL WORLD

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ABSTRACT

The Project 'Aadhar Unique Card System' gives us the information about the citizen in any country. A Citizen has unique Id to find out the personal information in each and every department or service wherever a citizen goes. This information can be found out by the unique Id of the citizen. If any citizen wants to utilize the services or utilities by the Government or Private organizations, he has to go to each and every department with different Id for that particular department. Instead, a citizen card helps in having all the utilities and services under one unique Id.This system not only help us to know the information about the services or utilities but also it gives the information about the character of the citizen in credit rating.This System consists of the modules like Personal Information, Credit Rating, Banking, Insurance, Tax, Provident Fund, Electricity, Telephone, Gas, Movies, Municipality, RTO, Voting, Passport, Travel Agency etc.

1. INTRODUCTION

The Project 'AADHAR UNIQUE Card Management system ' gives us the information about the citizen in any country. A Citizen has unique Id to find out the personal information in each and every department or service wherever a citizen goes. This information can be found out by the unique Id of the citizen. If any citizen wants to utilize the services or utilities by the Government or Private organizations, he has to go to each and every department with different Id for that particular department. Instead, a citizen card helps in having all the utilities and services under one unique Id.This system not only help us to know the information about the services or utilities but also it gives the information about the character of the citizen

in credit rating.This System consists of the modules like Personal Information, Credit Rating, Banking, Insurance, Tax, Provident Fund, Electricity, Telephone, Gas, Movies, Municipality, RTO, Voting, Passport, Travel Agency etc.

1.1 METHODOLOGY

In the existing system for performing any real time transactions or payments the citizen of india need to visit each and every place with separate individual identities for enquires or purchase or payment of bills. Hence it is very complex task for that person. If any citizen wants to utilize the services or utilities by the Government or Private organizations, he has to go to each and every department with different Id for that particular department. Instead, a citizen card helps in having all the utilities and services under one unique Id.

The proposed system not only help us to know the information about the services or utilities but also it gives the information about the character of the citizen in credit rating.This System consists of the modules like Personal Information, Credit Rating, Banking, Insurance, Tax, Provident Fund, Electricity, Telephone, Gas, Movies, Municipality, RTO, Voting, Passport, Travel Agency etc.

OBJECTIVE

The main objective to design this application is to provide a common platform for performing all types of transactions by using single card number. Here we try to use Aadhar number as unique card number for registering all types of services and the same number is used for paying any dues or bills which are linked with that common number.

2. LITERATURE SURVEY

Literature survey is the most important step in software development process. Before developing the tool, it is necessary to determine the time factor, economy and company strength. Once these things are satisfied, ten next steps are to determine which operating system and language used for developing the tool. Once the programmers start building the tool, the programmers need lot of external support. This support obtained from senior programmers, from book or from websites. Before building the system the above consideration r taken into for developing the proposed system.

The purpose of a Citizen Card System that it avails a Unique Identity Number to the citizen of a country giving them the advantage of not submitting multiple documents to avail the services residents would no longer need to go to various government departments and prove their identity each time. This scheme is designed to leverage intensive usage of the Citizen Card System for multipurpose to provide an efficient and convenient mechanism to update information. Photographs and biometric data are added to make the identification and authentication foolproof.

The unique ID will require creation of a database that links an individual to unique identifier formed, based on a format code that remains constant over his life-span, like parentage, date and place of birth and automatically gets

activated just like a voter ID card. The Citizen Card System database is built by collecting data, storing and linking the existing Identity databases (voter ID, passports, ration cards, licenses, fishing permits, border area ID cards) into one centralized database from which the information can be accessed. The Citizen Card System Authority will be responsible for creating and maintaining the core database and to lay down all necessary procedures for issuance and usage of Citizen Card System including arrangements for collection, validation and authentication of information, proper security of data, rules for sharing and access to information, safeguards to ensure adequate protection of privacy.

Data association at present with Citizen Card System, are the following 13 parameters.

a. Name

b. Citizen Card System Number of the holder

c. Photograph

d. Right hand forefinger print

e. Name of the Father

f. Name of the Mother

g. Citizen Card System of the Father

h. Citizen Card System of Mother

i. Date of Birth

j. Sex

k. Place of Birth

l. Blood Group

m. Address at time of creation

It is necessary to consider if all of them need to be considered as a primary ID parameters or can be classified further as "Primary" and "Secondary". The Citizen Card System will be a Root ID for downstream services available to the Citizen so that there is a need to recognize one single "Root Citizen Card System Parameter" so that in the event of any dispute, Citizen Card System would be owned by the person in undisputable control of the "Root ID Parameter". The reason of segregating the ID data into "Primary" and "Secondary" is that some of the ID parameters can be kept out of the Primary data base and can even be kept offline. While the primary database has to be accessible on the Internet and despite the authentication mechanisms used or Disaster Recovery Plan (DRP) strategies, they are still amenable to hacking attacks.

The secondary data base however can be kept away from the Internet and in multiple formats so that the data in the secondary data base can be used for verification when the primary data is disputed. For example, we may collect multiple biometric features say 1. Left hand thumb print scan 2. Fingers scan 3. Geometry scans. In the current scenario, each of the ID parameters are classified as "Primary" and "Secondary" in context of database storage:

3. EXISTING STATEMENT

In the existing system for performing any real time transactions or payments the citizen of India need to visit each and every place with separate individual identities for enquires or purchase or payment of bills. Hence it is very complex task for that person. If any citizen wants to utilize the services or utilities by the Government or Private organizations, he has to go to each and every department with different Id for that particular department. Instead, a citizen card helps in having all the utilities and services under one unique Id.

LIMITATION OF EXISTING SYSTEM

The following are the limitation of existing system. They are as follows:

1) Complex task to maintain all individual cards for doing transactions in government organizations.

2) All are almost manual way to do payments for gas, electricity, tax, water tax and so on.

3) Existing methods are not having a common method of identifying a user with unique id card and do all transactions under single card.

4. PROPOSED SYSTEM

The proposed system not only help us to know the information about the services or utilities but also it gives the information about the character of the citizen in credit rating. This System consists of the modules like Personal Information, Credit Rating, Banking, Insurance, Tax, Provident Fund, Electricity, Telephone, Gas, Movies, Municipality, RTO, Voting, Passport, Travel Agency etc.

ADVANTAGES OF THE PROPOSED SYSTEM

The following are the advantages of the proposed system. They are as follows:

1) Data is secure
2) It is available all the time
3) With unique id we can do any type of operations
4) It is reducing a lot of manual effort and time.

5. IMPLEMENTATION

Implementation is a stage where theoretical design is converted into programmatically manner. The implementation will be divided into number of modules like 2 modules

1. Admin Module

2. Citizen Module

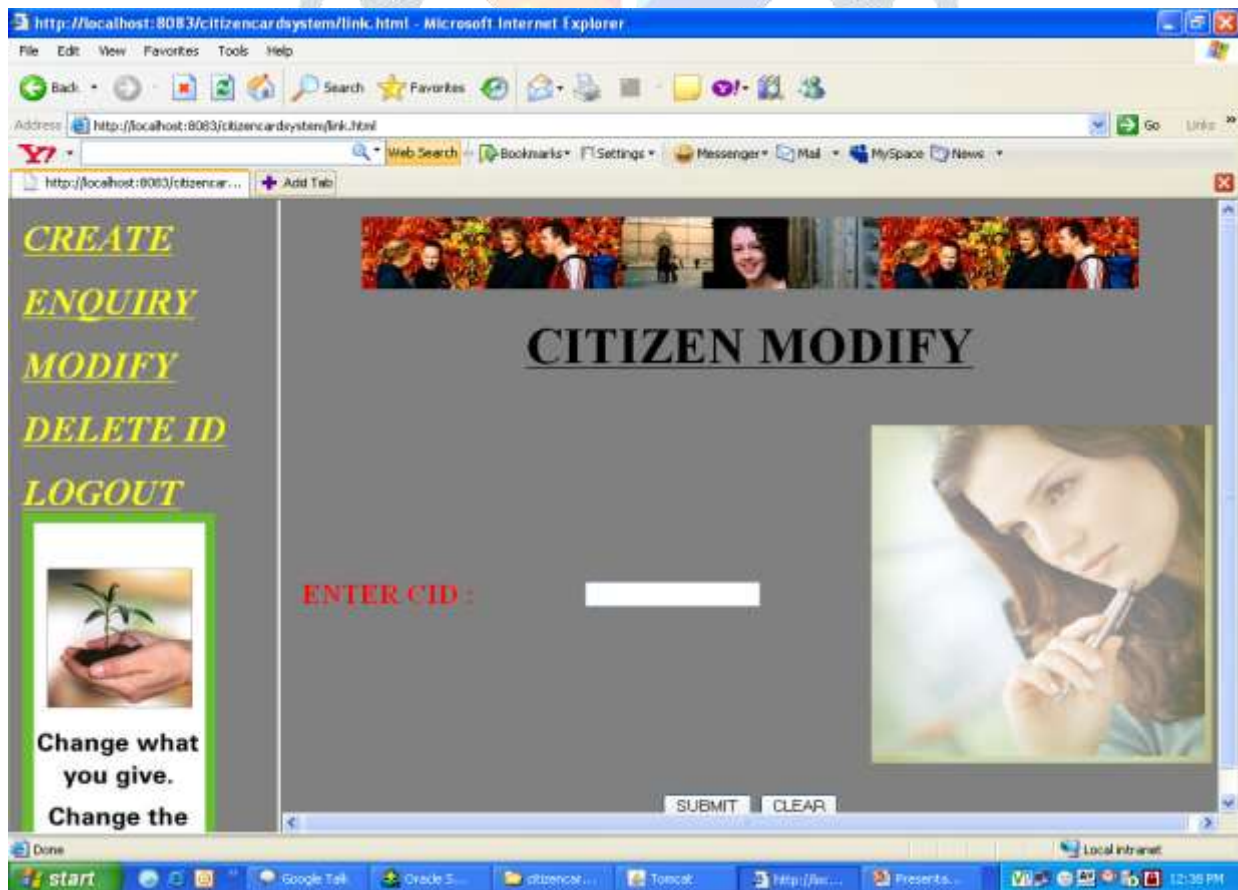Now let us discuss about each and every module in detail as follows:

5.1 ADMIN MODULE

In this module, the admin is one who is mainly responsible to see list of all transactions details performed by users,he can also see list of all citizens who are registered with their aadhar id.He can also see what ever the transactions that are performed by the citizens.
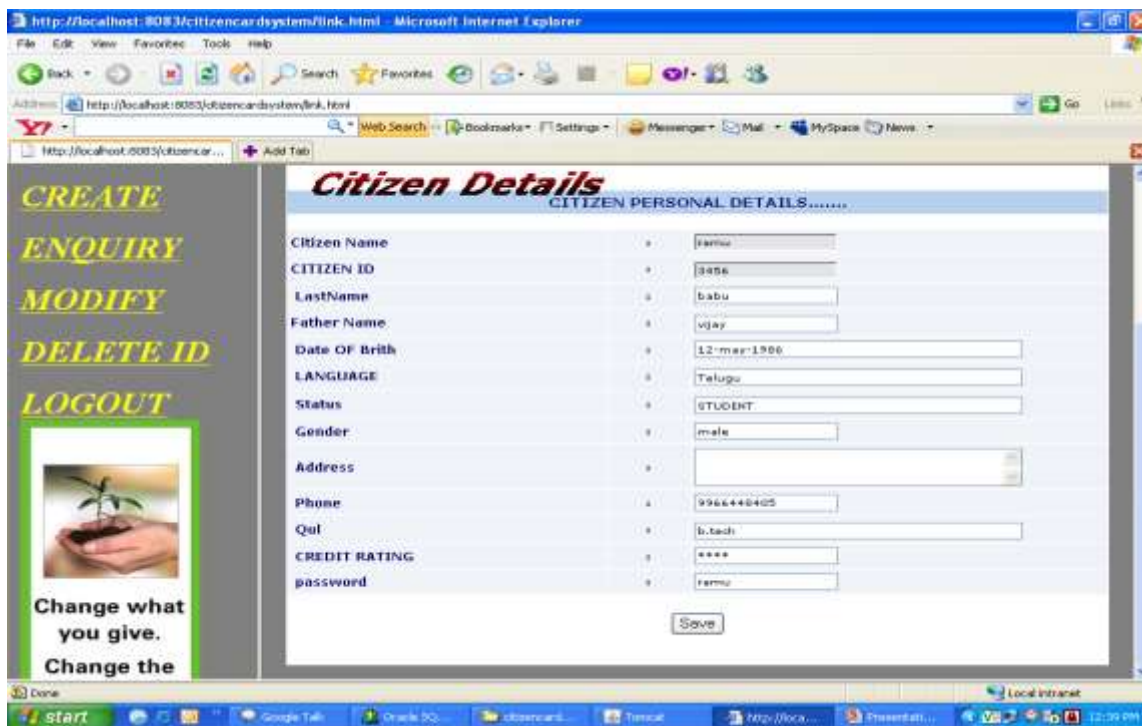
5.2 USER / CITIZEN MODULE

In this module, he logs in by using his/her user name and password. After Login the citizen can enter into any of the operations either for search or bill payments by using his common aadhar unique id.The following are the operations such as : Insurance ,Tax payments,Gas,RTO,Banking,Telephone,Electricity,Passport and so on

6. OUTPUT RESULTS

USER CAN MODIFY HIS INFORMATIONIF ANY THING IS WRONGLY ADDED
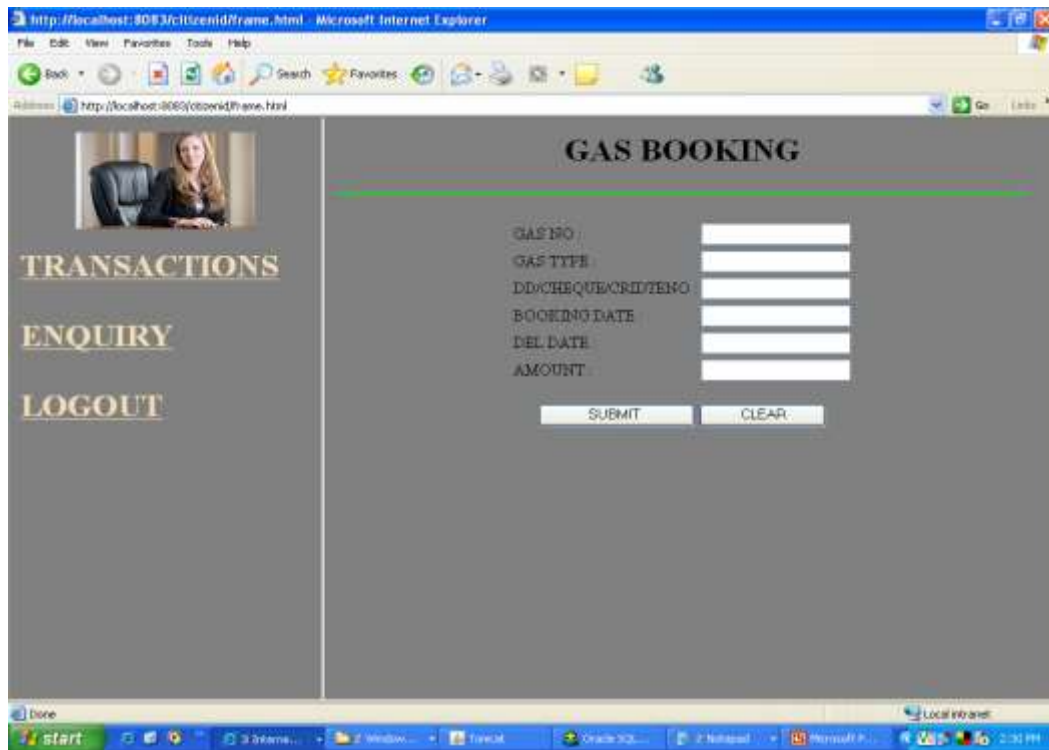
ADMIN GET DELETE CITIZEN ID

CITIZEN CAN LOGIN AND DO TRANSACTIONS

USER CAN VIEW SET OF TRANSACTIONS
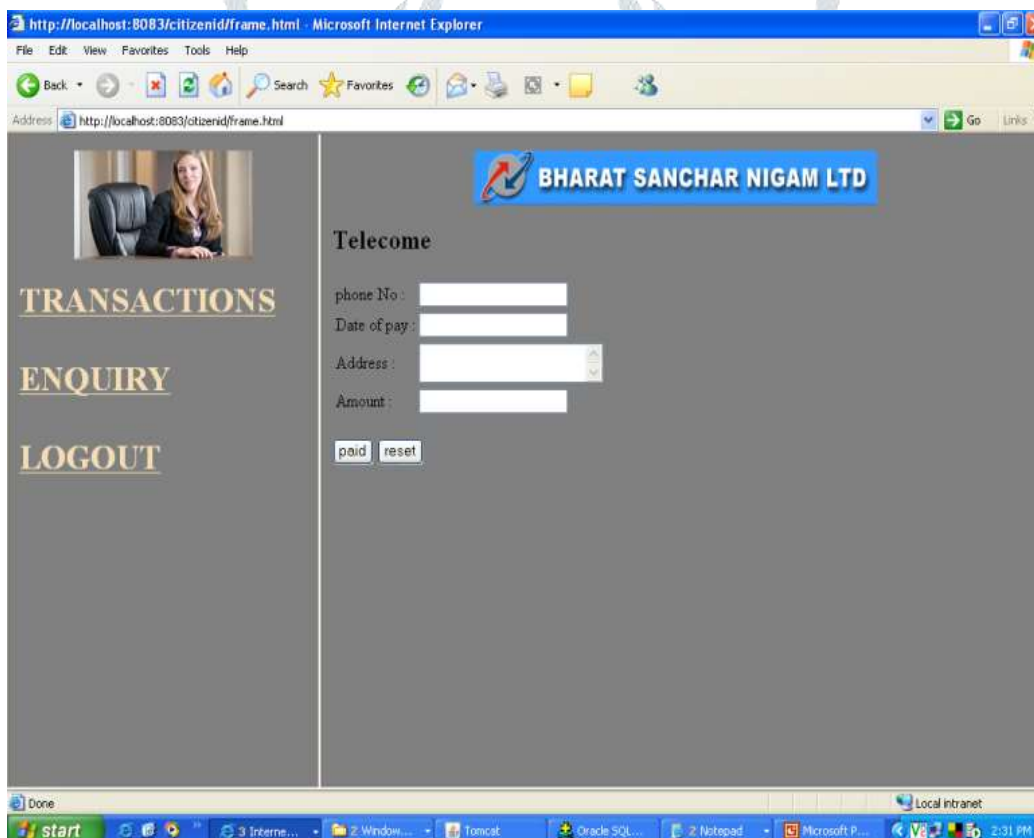
USER CAN DO GAS BOOKING

USER CAN DO RTO OFFICE

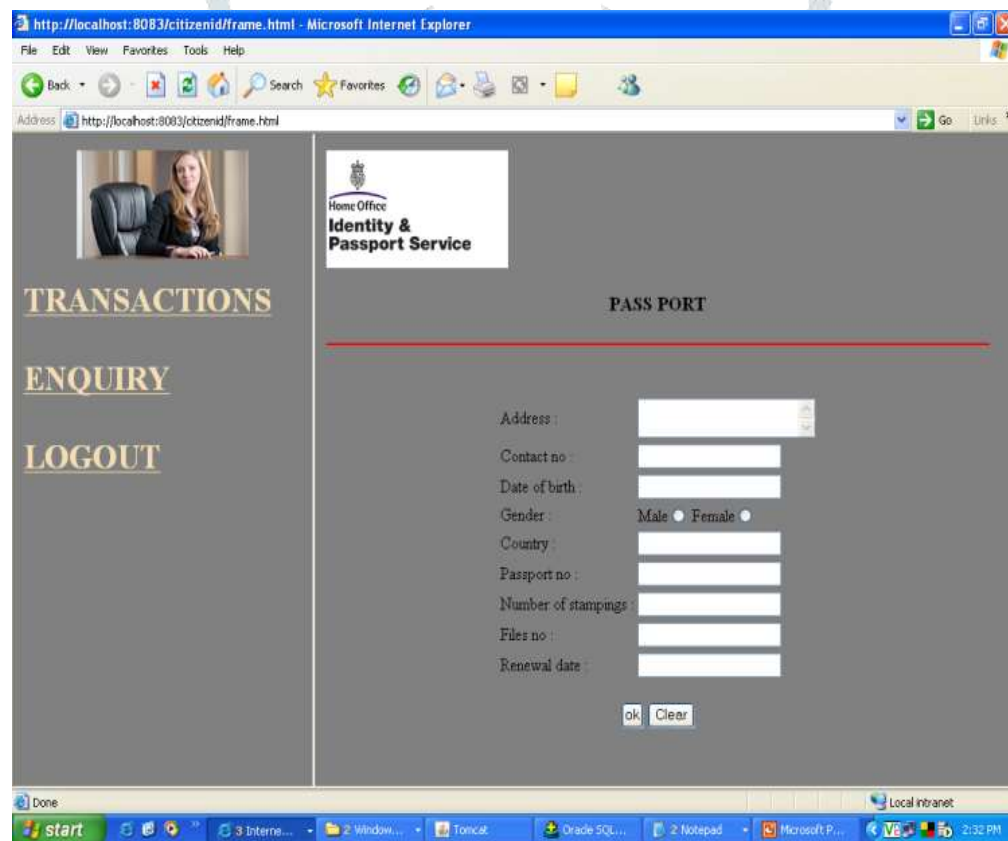**USER CAN ADD ELECTION DEPARTMENT INFORMATION**

USER CAN DO MOBILE BILL TRANSACTIONS

USER CAN DO ELECTRICITY TRANSACTIONS

USER CAN ADD PASSPORT INFORMATION

USER CAN ADD MUNICIPALITY INFORMATION

7. CONCLUSION

Citizen card project maintains unique id to every citizen to utilize there own services in private or Govt Organizations. A Citizen has unique Id such as Aadhar id to find out the personal information in each and every department or service wherever a citizen goes. This information can be found out by the unique Id of the citizen. It maintains and manages the transactions   easily in different departments.

8. REFERENCES

[1] "ID'ing the masses may solve Indian identity crisis", Associated Press, 17 July 2009.

[2] "India Undertakes Ambitious ID Card Plan", The New York Times, 26 June 2009.

[3] "National ID card project", Indiatimes Infotech, 1 July 2009.

[4] "Nilekani first chief of Unique „ID project", The Assam Tribune, 25 June 2009.

[5] "Nilekani may get EPFO database for CITIZEN CARD SYSTEMproject", Indian Express, 18 July 2009.

[6] public.ccsds.org/publications/ archive/ A31x0g1.pdf

[7] "Rs.100 crore for Unique Identification Project", The Hindu, 17 February 2009.

[8] securescanbiometrics.com/reference.php

[9] www.dtic.mil/whs/directives/corres/ pdf/832004p.pdf.

[10] www.ebu.ch/CMSimages/fr/ tec_text_d92-2001_tcm74721.pdf.