

**International School of Informatics & Management
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Project on

ELECTION MANAGEMENT SYSTEM

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CERTIFICATE

This is to certify that this report embodies the original work done by **Chandra Prakash Agrawal, Kirti Saxana and Tarun Goyal** during the project submission as a partial fulfillment of the requirement for the **System Design Project** of Masters of computer Application IV semester, of the Rajasthan Technical University, Kota.

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SYNOPSIS

ELECTION MANAGEMENT SYSTEM

Introduction

1.1 Purpose & Scope

- The Software is for the automation of Election process.
- It provides following facilities to
 - **Operator:-**
 - Can enter the details related to the particular voter, center associated with and can also retrieve the information related to the center and voter.
 - His/her center performance can be analyzed with the reports available online at the website.
 - **Voter:-**
 - Can only read the various reports and can only get the information about the particular center and vote casting.
 - **ADMIN:-**
 - Can read & write information about any center and can create ,update ,delete center as per the

requirement and implementation plans.

1.2 Technologies to be used

This Software is developed with

Front End:- Visual FoxPro 6.0

Back End:- Structured Query Language(SQL)

1.3 Assumption

- Customized data will be used in this application.
- Voter does not have right to cast the vote at home.
- Only administrator has the right to register the voter.
- This project is only implemented in one state for the Parliament election as well as for the Assembly election

1.4 System Requirements

- **Minimum RAM** - 128 MB
- **Hard Disk** - 40 GB
- **Processor** - Intel Pentium 4
- **Operating System** - Window XP Service

Pack 2

1.4 Overview

- Project is related to Election commission of India.
- Main faculties available by this project for :
 - On line vote casting.
 - On line Polling.
 - On line registration of contestants.
- In this project collection of data from different wards will be automatic.
- Data captured by employees during survey will be automatically updated.
- Related reports will be an available after the monthly data entered.

FEASIBILITY STUDY

Feasibility Study

In feasibility study phase we had undergone through various steps, which are described as under:

How feasible is the system proposed? This was analyzed by comparing the following factors with both the existing system and proposed system

Working of the Present System:

- Elections to the House of the People and the State Legislative Assemblies from parliamentary and assembly constituencies have hitherto been held under the traditional system of ballot papers and ballot boxes.
- The voting machine has been used keeping in view the present system under which ballot papers and ballot boxes are used.
- All citizens of India who are 18 years of age as on 1st January of the year for which the electoral roll is prepared are entitled to be registered as a voter in the

- constituency where he or she ordinarily resides.
- Only persons who are of unsound mind and have been declared so by a competent court or disqualified due to 'Corrupt Practices' or offences relating to elections are not entitled to be registered in the electoral rolls.

Disadvantages of the Current System

- The voter has to cast the vote only at the particular center which He/She has assigned According to their area.
- Both capturing will be happened in this System.
- Transportation charges will be high.
- Time consuming process.
- There is no security because of Fake votes.

Proposed System

- It is a web enabled application So that user can cast The vote from any center
- Result Processing time will be reduced

- It reduces the time for manual errors and there corrections
- Highly secured system , Easy user interface and timeliness
- Booth capturing would be stopped
- Transportation charges will be reduced
- It requires less Man power

Economical Feasibility

The cost required in the proposed system is comparatively less to the existing system.

Technical Feasibility

This project is technical feasible as required software's are easily available with our team.

Behavioral Feasibility

In the existing system the number of staff required for completing the work is more while the new system will require quite less number of staff.

Time

Also the time required generating a report or for doing any other work will be comparatively very less than in the existing system. Record finding and updating will take less time than the existing system.

DATABASE DESIGN

Voter Table:-

S.No.	Field Name	Data Type	Description
1	Name	Character	This is use to store the name
2	Father name	Character	This is use to store the father's name
3.	Sex	Character	This is storing the sex
4.	Vid	Numeric	This is the voter id of the voter
5	Dob	Date	Date of the voter
6.	Address	Character	Storing the address
7.	Phone	Numeric	Storing the telephone number

Candidate Table:-

S.No.	Field Name	Data Type	Description
1.	Name	Character	Name of the candidate
2.	Father name	Character	Father name of the candidate
3.	Sex	Character	Sex of the candidate
4.	Party	Character	Party of the candidate
5.	Property	Numeric	Property of the candidate

6	Dob	Date	Date of birth of candidate
7.	Address	Character	Address of candidate
8.	Criminal_record	Character	Criminal record of the candidate
9.	Area_code	Numeric	Area of the candidate from where he is electing election
10.	Ward no	Numeric	Ward no of candidate

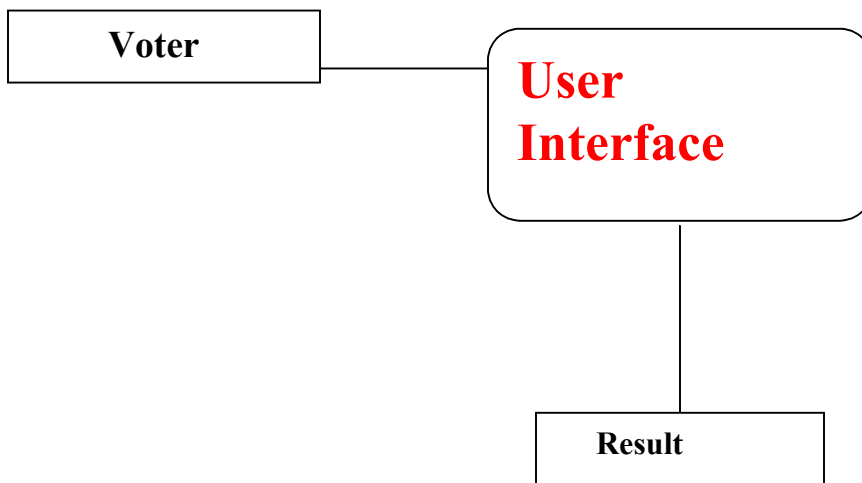
Login Table:-

S.No.	Field Name	Data Type	Description
1.	admin	character	Name of the administrator
2.	Password	Character	Password of the administrator

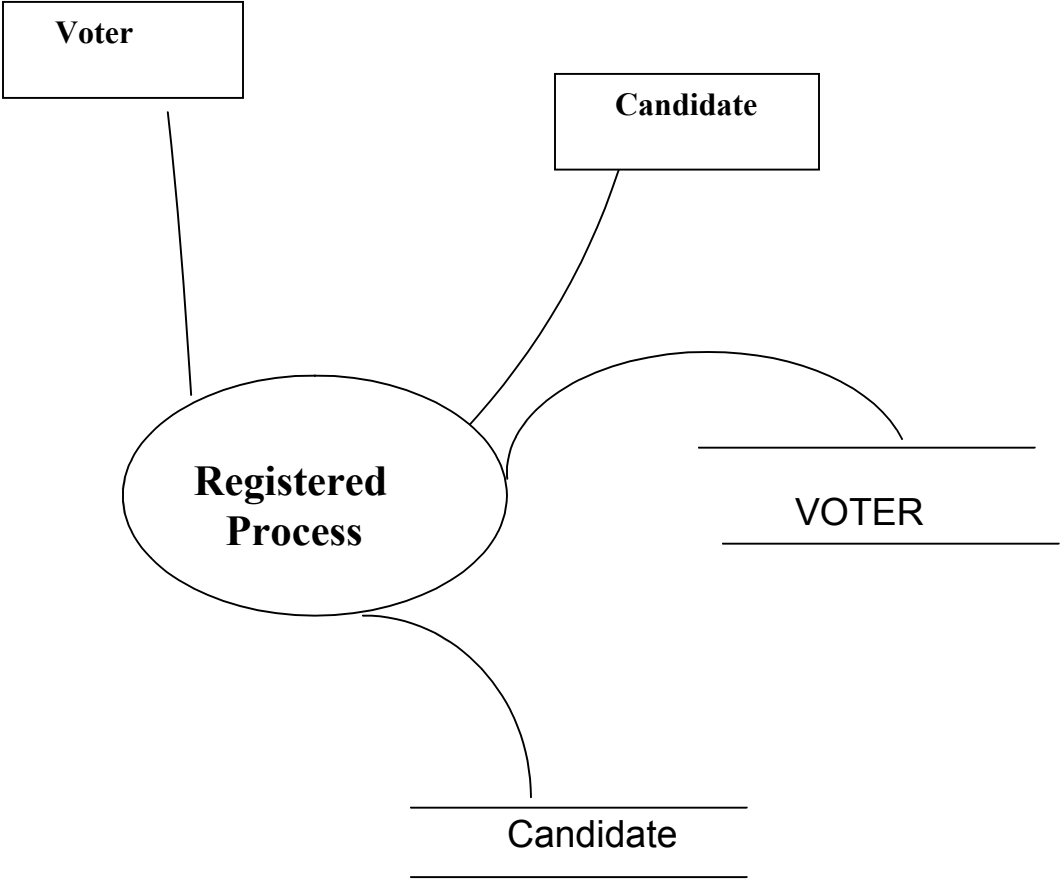
Data Flow Diagram (DFD)

Data Flow Diagram

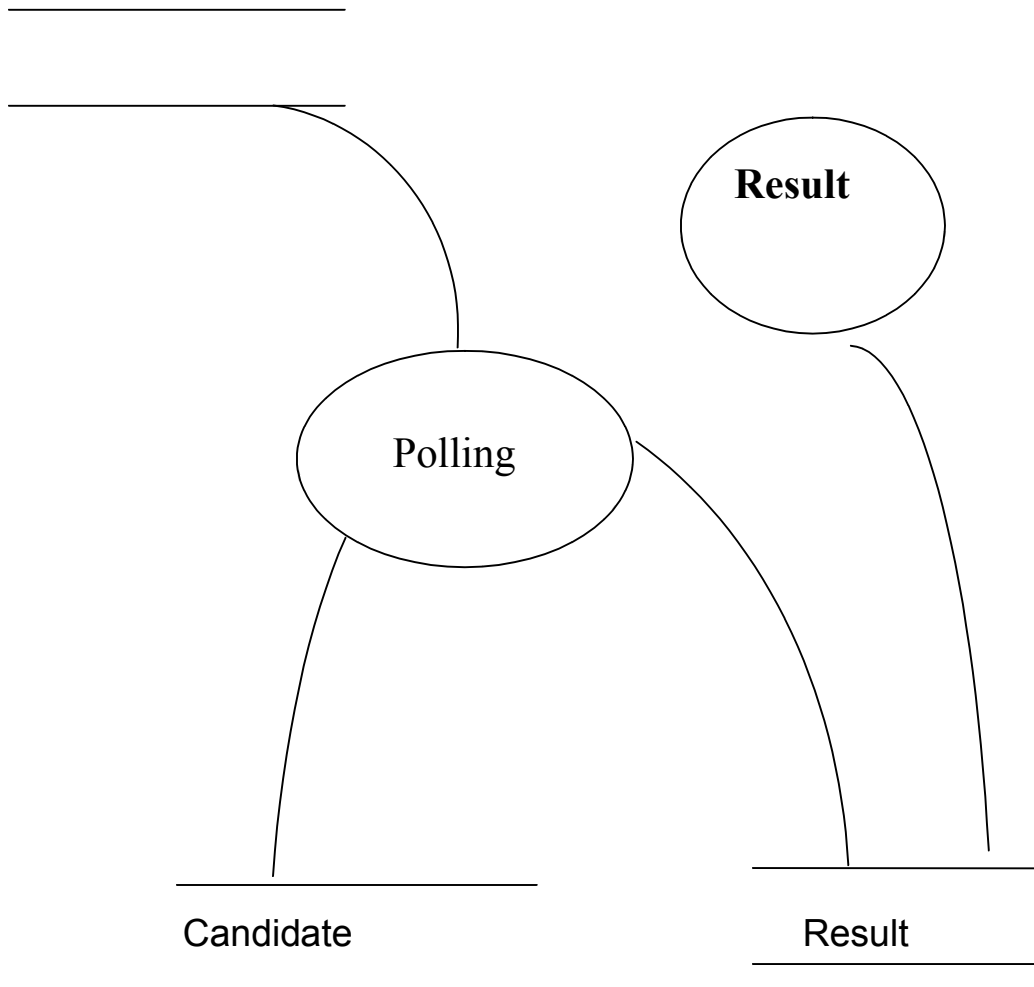
0 –Level Data Flow Diagram



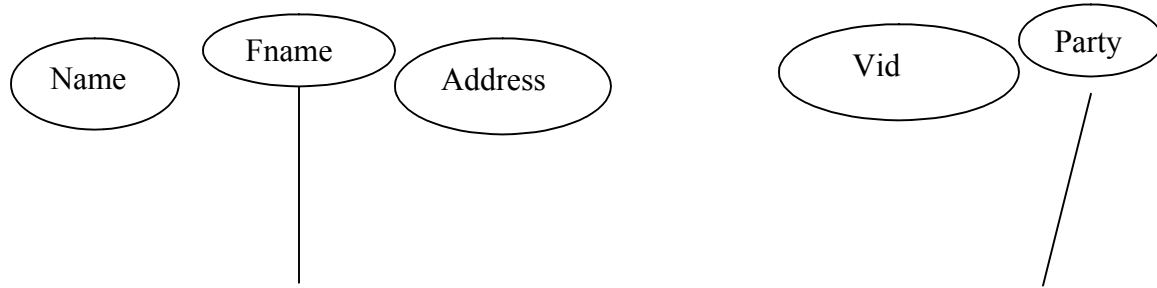
1-LEVEL DATA FLOW DIAGRAM

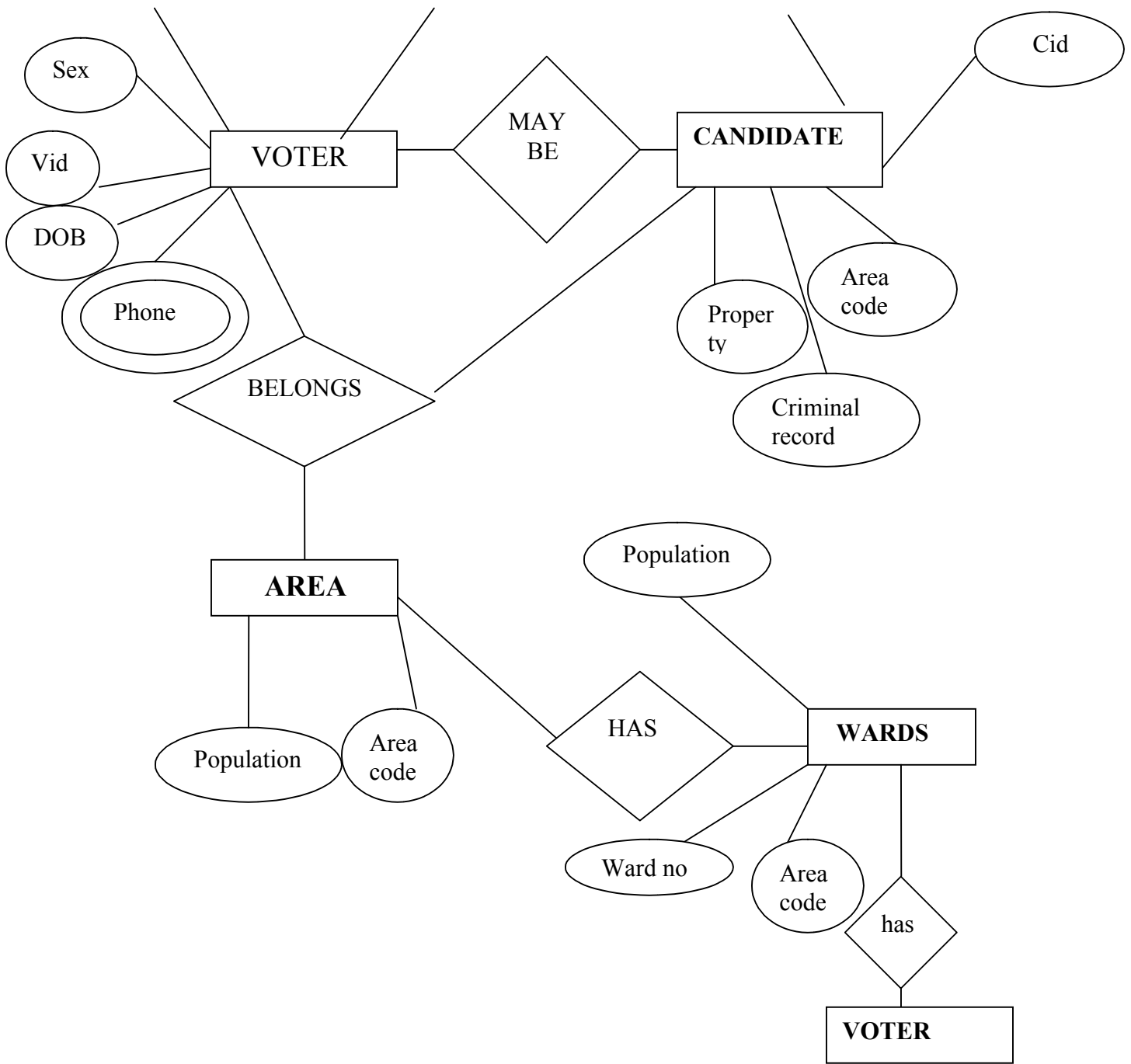


2- LEVEL DATA FLOW DIAGRAM

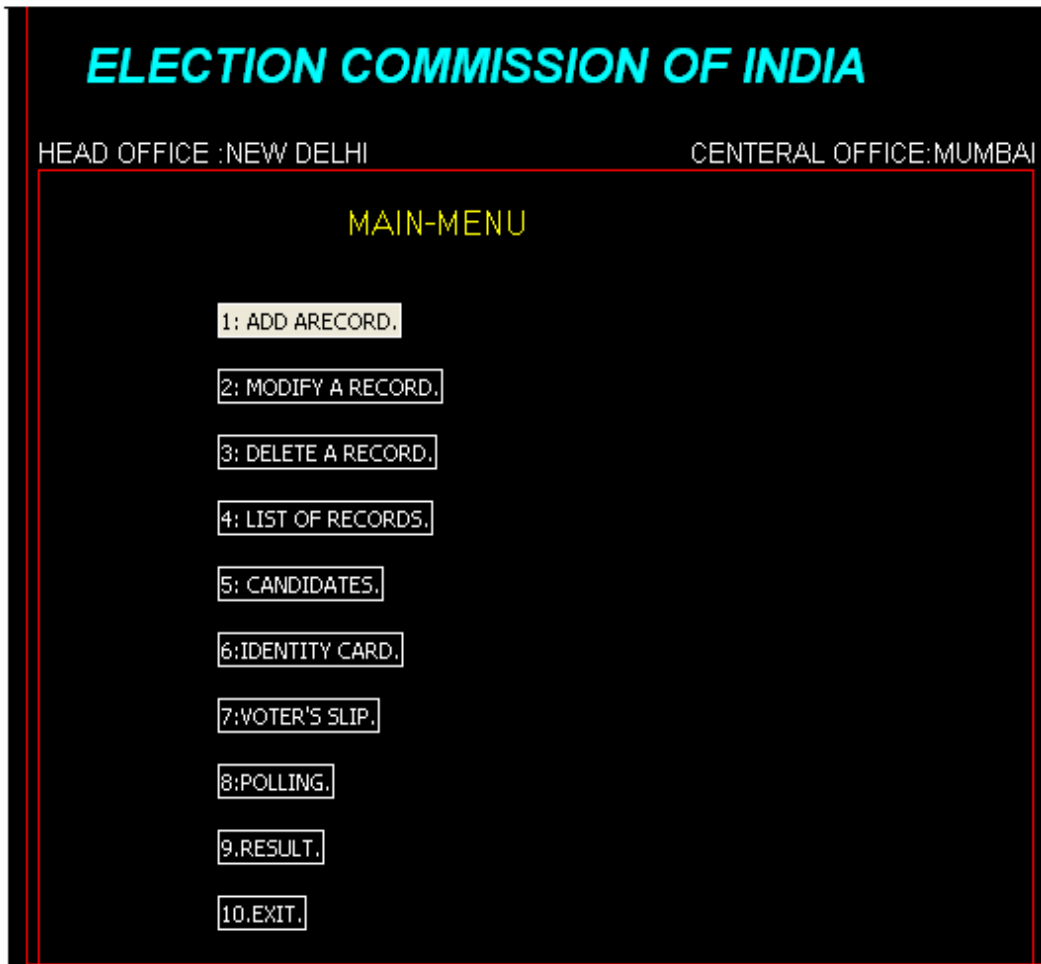


Entity Relationship Diagram





SCREEN SHOTS OF THE FORMS



Main Menu

This is the Main Menu of the System. It consist different type of function which is performed by the Operator or either the Administrator

Name: rahul

Father Name: rp agrawal

Sex: M

Address: jaipur

Date of birth[MM\DD\YY]: 12/06/202

City: jaipur

State: rajasthan

Ward No: 66

You want to save this record press [Y\N]: Y

You want to modify more records[Y\N]: Y

1 replacements

MODIFICATION FORM

Modification form is use to modify the input of the voter, if the voter want to modify the information, it only need to remember the voter ID which is given at the time of the registration

Enter Your Id:

VOTER'S DETAILS

ID: 21
Name: rahul
Father Name: rp agrawal
Address: jaipur
Sex: M
city: jaipur
State: rajasthan

Do you want to delete it permanently press[Y\N]:

DELETE FORM

This form is use to delete the information of the voter, it will delete voter ship of the voter

ELECTION COMMISSION OF INDIA

Press any key to continue ...

HEAD OFFICE: NEW DELHI

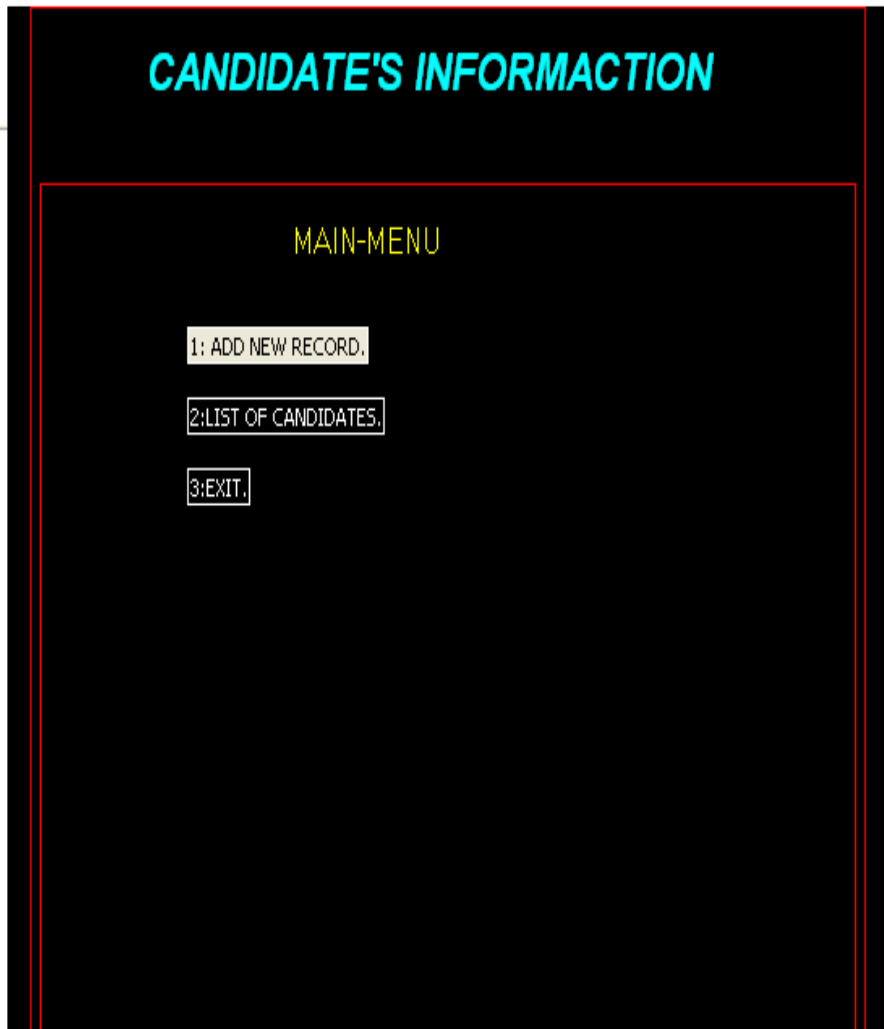
CENTERAL OFFICE: MUMBAI

List of RECORD

ID:	Name:	Fathers Name:	Sex:	Age:	City:	voted
0				2007		T
1				2007		T
1				2007		F
2				2007		T
3				2007		T
4				2007		F
5	tarun	gddgg	male	22	baran	F
6	iiiiiiiiiiii			2007	JODHPUR	T
6	tarun	gddgg	male	22	baran	F
7				2007		T
7	tarun	gddgg	male	22	baran	F
8				2007		T
8	tarun	gddgg	male	22	baran	F
9				2007		T
9	hhhh	ffjkdxf	male	22	kota	F
10		yyyy		2007	fff	T
10	hhhh	jkjdf	mm	23	hjffhf	F
11				2007		T
11				2007		F

List of voter

This form is given the complete detail of the voter, it give the information of all the voters



Candidate Information Menu

This form is used to fill the information of the candidate who is going to fight the election

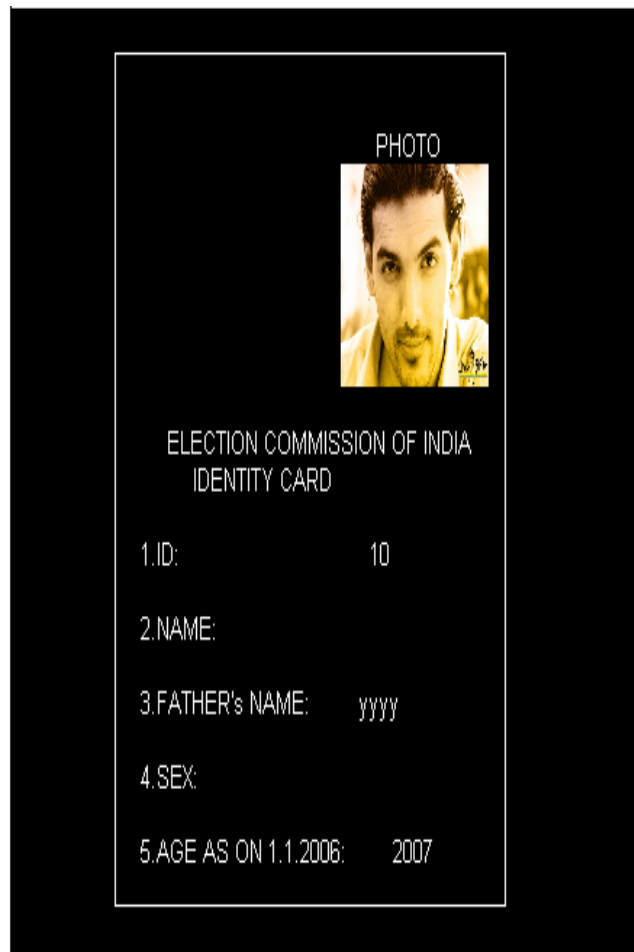
This menu has the three modules first for the record add second for the delete and third for the exit

<u>CANDIDATE'S INFORMATION</u>	
ID:	2
Name:	Tarun goyal
Father Name:	N.K goyal
Address:	Adarsh Nager(baran)
Party:	abc
Proprty:	88,lacks
City:	Baran
State:	Rajsthan

Candidate (g:\mfox\candidate.dbf) Record: 3/8 Exclusive

CANDIDATE INFORMATION

Candidate information is use to fill the all the information of the candidate



IDENTITY CARD OF VOTER

This is the identity card of the voter this is issue by the election commission of India

VOTER'S SLIP

LOCK-SABHA ELECTION AREA

Baran

NAME: Tarun goyal

FATHER'S NAME: N.K goyal

ADDRESS: Adarsh nager

SEX: male

CENTER:

VOTER SLIP

This is the voter slip which is provided by the election commission of india

Press any key to continue ...

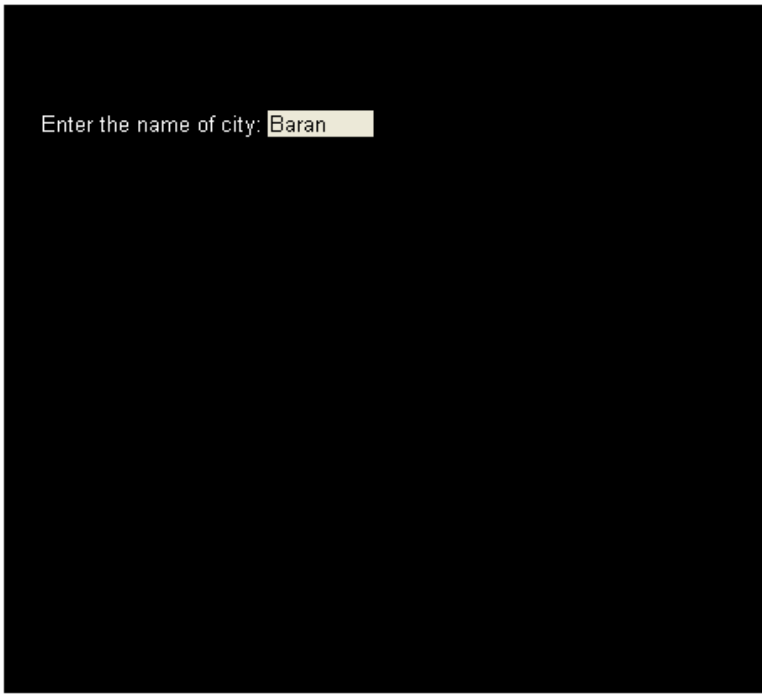
Enter your ID:

NAME: Tarun goyal

ADDRESS: Adarsh nager

Polling Form







This is the polling form which is use to poll the vote



Enter City of Election

This is the city of the election which we have to provided

ELECTRONIC VOTING MACHINE

CANDIDATE'S	SYMBOL	BUTTON
TARUN GOYAL		
BRAJMOHAN		
OM PRASAD		

Electronic Voting Machine



Result Procedure

Enter the name of city:

Enter City of Election

RESULT OF THIS CONSTITUENCY WINNER

*****WINNER IS*****

TARUN GOYAL

AND WINS WITH A DIFFERENCE OF **12** VOTES

WINNING PERCENTAGE IS **44.3478**

GETS TOTAL OF **51** VOTES

Result Form

Future Scope

SCOPE OF FUTURE APPLICATION

This application can be easily implemented under various situations. We can add new features as and when we require. Reusability is possible as and when require in this application. There is flexibility in all the modules.

SOFTWARE SCOPE:

- **Extensibility:** This software is extendable in ways that its original developers may not expect. The following principles enhance extensibility like hide data structure, avoid traversing multiple links or methods, avoid case statements on object type and distinguish public and private operations.
- **Reusability:** Reusability is possible as and when require in this application. We can update it next version. Reusable software reduces design, coding and testing cost by amortizing effort over several designs. Reducing the amount of code also simplifies understanding, which increases the likelihood that the code is correct. We follow up both types of reusability:

Sharing of newly written code within a project and reuse of previously written code on new projects.

- **Understandability:** A method is understandable if someone other than the creator of the method can understand the code (as well as the creator after a time lapse). We use the method, which small and coherent helps to accomplish this.
- **Cost-effectiveness:** Its cost is under the budget and make within given time period. It is desirable to aim for a system with a minimum cost subject to the condition that it must satisfy the entire requirement.

Conclusion

The project Election Management System plays a vital role in our career. This project has been quite interesting for us. The specialty of this project is that this reduces the time. I have worked up to my best level to make this project a USER FRIENDLY ONE.

So that the users are able to use this project freely and with no difficulty for that several instructions and validations are also applied at different levels. Users have ease to cast the vote online.

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