

E-Voting System

Roll No.:1602-18-737-110

Name:V.Swetha Reddy

ABSTARCT:

Online voting is a web-based voting system that will help to manage elections easily and securely. In this system the voter do not have to go the polling booth to cast their vote. They can use their personal computer to cast their vote. There is a database which is maintained in which all the names of voters with their complete information is stored. The system administrator registers the voters and candidates. After registration, the voter is assigned with a user id with which he/she can use to login and cast their vote.

REQUIREMENT ANALYSIS

List of Tables:

- ADMIN
- MANAGES
- LOGIN
- USERS
- VOTERS
- CANDIDATES

List of attributes with their domain types:

Admin:

Admin id: aid-Number()

Manages:

Admin id: aid-Number()

User id: user_id-Number()

Aadhar No.: aadhar_no-Number()

Login:

User id: user_id-Number()

Password: password-Varchar()

Users:

User id:user_id-Number()

Name:name -Varchar()

Date of Birth: dob-varchar()

Gender: gender-Varchar()

Aadhar No.: aadhar_no-Number()

Voter id: voter_id-Number()

Address: address-Varchar()

Voters:

User id: user_id-Number()

Aadhar No.: aadhar_no-Varchar()

Candidates:

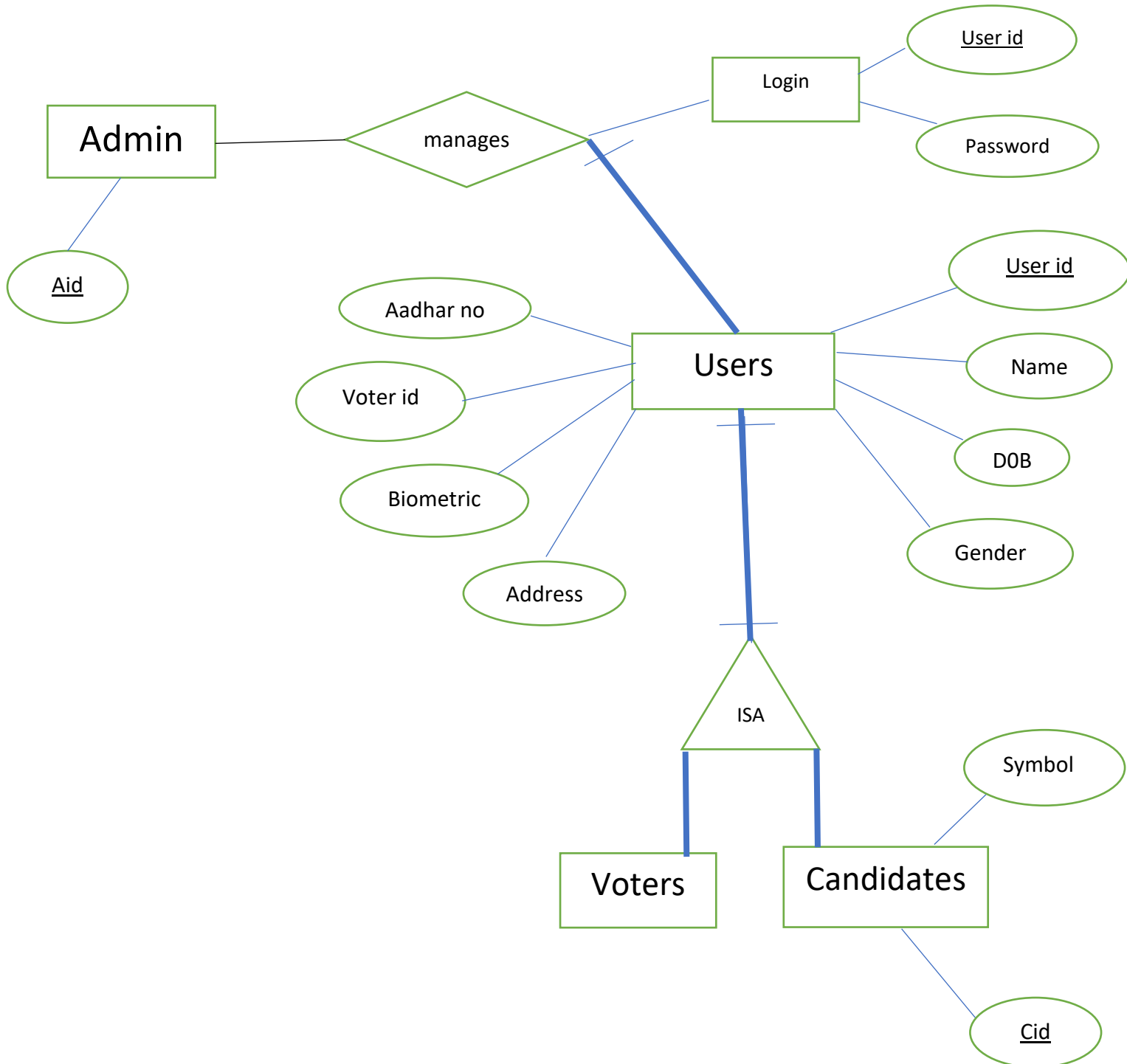
Candidate id: cid-Number()

User id: user_id-Number()

Aadhar No.: aadhar_no-Number()

Symbol: symbol-Varchar()

ER Diagram



DDL Commands:

```
SQL> create table admin(aid number(5),primary key(aid));
```

Table created.

```
SQL> create table users(user_id number(5),name varchar(15),dob  
varchar(10),gender varchar(2),aadhar_no number(5),voter_id  
number(5),address varchar(15),primary key(user_id,aadhar_no));
```

Table created.

```
SQL> create table login(user_id number(5),password  
varchar(5),primary key(user_id));
```

Table created.

```
SQL> create table manages(aid number(5),user_id  
number(5),aadhar_no number(5),foreign key(aid) references  
admin,foreign key(user_id,aadhar_no) references users);
```

Table created.

```
SQL> create table voters(user_id number(5),aadhar_no  
number(5),foreign key(user_id,aadhar_no) references users);
```

Table created.

```
SQL> create table candidates(cid number(5),user_id  
number(5),aadhar_no number(5),symbol varchar(20),foreign  
key(user_id,aadhar_no) references users);
```

Table created.

Name: V. Swetha Reddy

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SQL> desc admin;

Name	Null?	Type

AID	NOT NULL	NUMBER(5)

SQL> desc users;

Name	Null?	Type

USER_ID	NOT NULL	NUMBER(5)
NAME		VARCHAR2(15)
DOB		VARCHAR2(10)
GENDER		VARCHAR2(2)
AADHAR_NO	NOT NULL	NUMBER(5)
VOTER_ID		NUMBER(5)
ADDRESS		VARCHAR2(15)

SQL> desc login;

Name	Null?	Type

USER_ID	NOT NULL	NUMBER(5)
PASSWORD		VARCHAR2(5)

SQL> desc manages;

Name	Null?	Type

AID		NUMBER(5)
USER_ID		NUMBER(5)
AADHAR_NO		NUMBER(5)

SQL> desc voters;

Name	Null?	Type

USER_ID		NUMBER(5)
AADHAR_NO		NUMBER(5)

SQL> desc candidates;

Name	Null?	Type

CID		NUMBER(5)
USER_ID		NUMBER(5)
AADHAR_NO		NUMBER(5)
SYMBOL		VARCHAR2(20)

DML commands:

```
SQL> insert into admin values(&aid);
```

Enter value for aid: 110

```
old 1: insert into admin values(&aid)
```

```
new 1: insert into admin values(110)
```

1 row created.

```
SQL> insert into admin values(&aid);
```

Enter value for aid: 110

```
old 1: insert into admin values(&aid)
```

```
new 1: insert into admin values(110)
```

1 row created.

```
SQL> insert into login values(&user_id,&password');
```

Enter value for user_id: 101

Enter value for password: 234ad

```
old 1: insert into login values(&user_id,&password')
```

```
new 1: insert into login values(101,'234ad')
```

1 row created.

```
SQL> /
```

Enter value for user_id: 102

Enter value for password: 345rt

old 1: insert into login values(&user_id,&password')

new 1: insert into login values(102,'345rt')

1 row created.

Enter value for user_id: 103

Enter value for password: 780yu

old 1: insert into login values(&user_id,&password')

new 1: insert into login values(103,'780yu')

1 row created.

SQL> /

Enter value for user_id: 104

Enter value for password: 987ty

old 1: insert into login values(&user_id,&password')

new 1: insert into login values(104,'987ty')

1 row created.

SQL> /

Enter value for user_id: 105

Enter value for password: 890hu

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old 1: insert into login values(&user_id,&password')

new 1: insert into login values(105,'890hu')

1 row created.

SQL> insert into users

values(&user_id,&name','&dob','&gender',&aadhar_no,&voter_id,'
&address');

Enter value for user_id: 101

Enter value for name: Mounika

Enter value for dob: 03-jan-98

Enter value for gender: F

Enter value for aadhar_no: 23451

Enter value for voter_id: 8904

Enter value for address: Nalgonda

old 1: insert into users

values(&user_id,&name','&dob','&gender',&aadhar_no,&voter_id,'
&address')

new 1: insert into users values(101,'Mounika','03-jan-
98','F',23451,8904,'Nalgonda')

1 row created

SQL> /

Enter value for user_id: 102

Enter value for name: Arjun

Enter value for dob: 12-mar-95

Enter value for gender: M

Enter value for aadhar_no: 25671

Enter value for voter_id: 3452

Enter value for address: Mehdipatnam

old 1: insert into users

values(&user_id,&name,&dob,&gender,&aadhar_no,&voter_id,'
&address')

new 1: insert into users values(102,'Arjun','12-mar-
95','M',25671,3452,'Mehdipatnam')

1 row created.

SQL> /

Enter value for user_id: 102

Enter value for name: Arjun

Enter value for dob: 12-mar-95

Enter value for gender: M

Enter value for aadhar_no: 25671

Enter value for voter_id: 3452

Enter value for address: Mehdipatnam

old 1: insert into users

values(&user_id,&name,&dob,&gender,&aadhar_no,&voter_id,'
&address')

new 1: insert into users values(102,'Arjun','12-mar-
95','M',25671,3452,'Mehdipatnam')

1 row created.

SQL> /

Enter value for user_id: 102

Enter value for name: Arjun

Enter value for dob: 12-mar-95

Enter value for gender: M

Enter value for aadhar_no: 25671

Enter value for voter_id: 3452

Enter value for address: Mehdipatnam

old 1: insert into users

values(&user_id,&name,&dob,&gender,&aadhar_no,&voter_id,'
&address')

new 1: insert into users values(102,'Arjun','12-mar-
95','M',25671,3452,'Mehdipatnam')

1 row created.

SQL> /

Enter value for user_id: 105

Enter value for name: Soumya

Enter value for dob: 21-oct-99

Enter value for gender: F

Enter value for aadhar_no: 66681

Enter value for voter_id: 9991

Enter value for address: Ibrahimbagh

```
old 1: insert into users
values(&user_id,&name','&dob','&gender',&aadhar_no,&voter_id,'
&address')
```

```
new 1: insert into users values(105,'Soumya','21-oct-
99','F',66681,9991,'Ibrahimbagh')
```

1 row created.

```
SQL> insert into manages values(&aid,&user_id,&aadhar_no);
```

Enter value for aid: 110

Enter value for user_id: 101

Enter value for aadhar_no: 23451

```
old 1: insert into manages values(&aid,&user_id,&aadhar_no)
```

```
new 1: insert into manages values(110,101,23451)
```

1 row created.

```
SQL> /
```

Enter value for aid: 110

Enter value for user_id: 102

Enter value for aadhar_no: 25671

```
old 1: insert into manages values(&aid,&user_id,&aadhar_no)
```

```
new 1: insert into manages values(110,102,25671)
```

1 row created.

SQL> /

Enter value for aid: 110

Enter value for user_id: 103

Enter value for aadhar_no: 76321

old 1: insert into manages values(&aid,&user_id,&aadhar_no)

new 1: insert into manages values(110,103,76321)

1 row created.

SQL> /

Enter value for aid: 110

Enter value for user_id: 104

Enter value for aadhar_no: 55232

old 1: insert into manages values(&aid,&user_id,&aadhar_no)

new 1: insert into manages values(110,104,55232)

1 row created.

SQL> /

Enter value for aid: 110

Enter value for user_id: 105

Enter value for aadhar_no: 66681

old 1: insert into manages values(&aid,&user_id,&aadhar_no)

new 1: insert into manages values(110,105,66681)

Name: V. Swetha Reddy

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1 row created.

```
SQL> insert into voters values(&user_id,&aadhar_no);
```

Enter value for user_id: 101

Enter value for aadhar_no: 23451

old 1: insert into voters values(&user_id,&aadhar_no)

new 1: insert into voters values(101,23451)

1 row created.

```
SQL> /
```

Enter value for user_id: 103

Enter value for aadhar_no: 76321

old 1: insert into voters values(&user_id,&aadhar_no)

new 1: insert into voters values(103,76321)

1 row created.

```
SQL> /
```

Enter value for user_id: 104

Enter value for aadhar_no: 55232

old 1: insert into voters values(&user_id,&aadhar_no)

new 1: insert into voters values(104,55232)

1 row created.


```
SQL> insert into candidates  
values(&cid,&user_id,&aadhar_no,&'&symbol');
```

Enter value for cid: 34

Enter value for user_id: 102

Enter value for aadhar_no: 25671

Enter value for symbol: car

```
old 1: insert into candidates  
values(&cid,&user_id,&aadhar_no,&'&symbol')
```

```
new 1: insert into candidates values(34,102,25671,'car')
```

1 row created.

```
SQL> /
```

Enter value for cid: 45

Enter value for user_id: 105

Enter value for aadhar_no: 66681

Enter value for symbol: vessel

```
old 1: insert into candidates  
values(&cid,&user_id,&aadhar_no,&'&symbol')
```

```
new 1: insert into candidates values(45,105,66681,'vessel')
```

1 row created.

```
SQL> select * from admin;
```

AID

110

SQL> select * from login;

USER_ID PASSW

101 234ad

102 345rt

103 780yu

104 987ty

105 890hu

SQL> select * from manages;

AID USER_ID AADHAR_NO

110 101 23451

110 102 25671

110 103 76321

110 104 55232

110 105 66681

USER_ID NAME DOB GE AADHAR_NO VOTER_ID
ADDRESS

101 Mounika	03-jan-98 F	23451	8904 Nalgonda
102 Arjun	12-mar-95 M	25671	3452 Mehdipatnam
103 Lahari	07-feb-89 F	76321	9762 Mehdipatnam
104 Chandan	23-apr-93 M	55232	7502 Ibrahimbagh
105 Soumya	21-oct-99 F	66681	9991 Ibrahimbagh

SQL> select * from voters;

USER_ID AADHAR_NO

101 23451

103 76321

104 55232

SQL> select * from candidates;

CID USER_ID AADHAR_NO SYMBOL

34 102 25671 car

45 105 66681 vessel