DUMMY FILE

1.Introduction-

The proper execution of democratic rights has become linked to the availability and reliable functioning of advanced information and communication technology (ICT). While modern societies fully rely on ICT for business, work and leisure time activities, the use of ICT for democratic decision making is still in its infancy. In fact, the out date technological concepts for voting have been blamed in part for lost and uncounted votes and could therefore be responsible for biased political decisions making . Countries all over the world are examining e-voting, for it has some striking advantages over traditional paper voting, including security for casting votes, accuracy of counting and analyzing votes, options to conduct voting in a centralized and decentralized manner, etc. The reasons why the e-voting technology has not matured to equivalent levels as known for business and leisure time activities lies mostly in an inherent lack of trust and fear of electronic threats. While most countries are still conceptualizing or testing evoting systems, three cantons in Switzerland have pioneered the development of e-voting to its full technological maturity. The world is always in improvement and growth in technology, that's why we should go parallel with it, to be able as much as we can get benefit from these improvements. Using our online voting application anyone can cast the vote from home or office or anywhere securely. The whole operation is managed by an administrator.

2. Working-

When a user (voter or candidate) registers they are provided with a user-id and password. Now they can login to go into there dashboard. Firstly, candidate can choose a election to contest from election ones for contesting. Voter login and see all available election. For each election they can see the contesting candidate, cast vote and see results. All the vote casted are added up and shown in result section. admin login can create a new election. they can verify candidate who wants to contest in election. The admin can monitor the process and finally announces the result soon after voting session is completed.
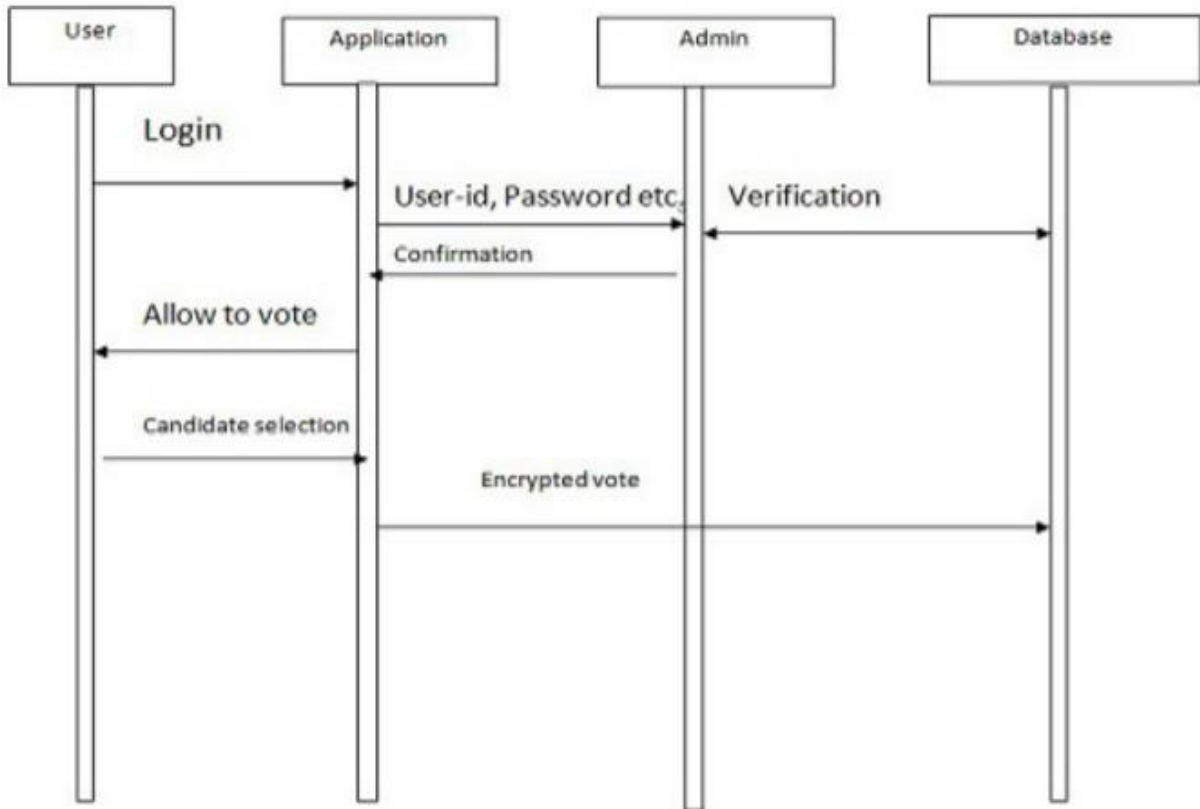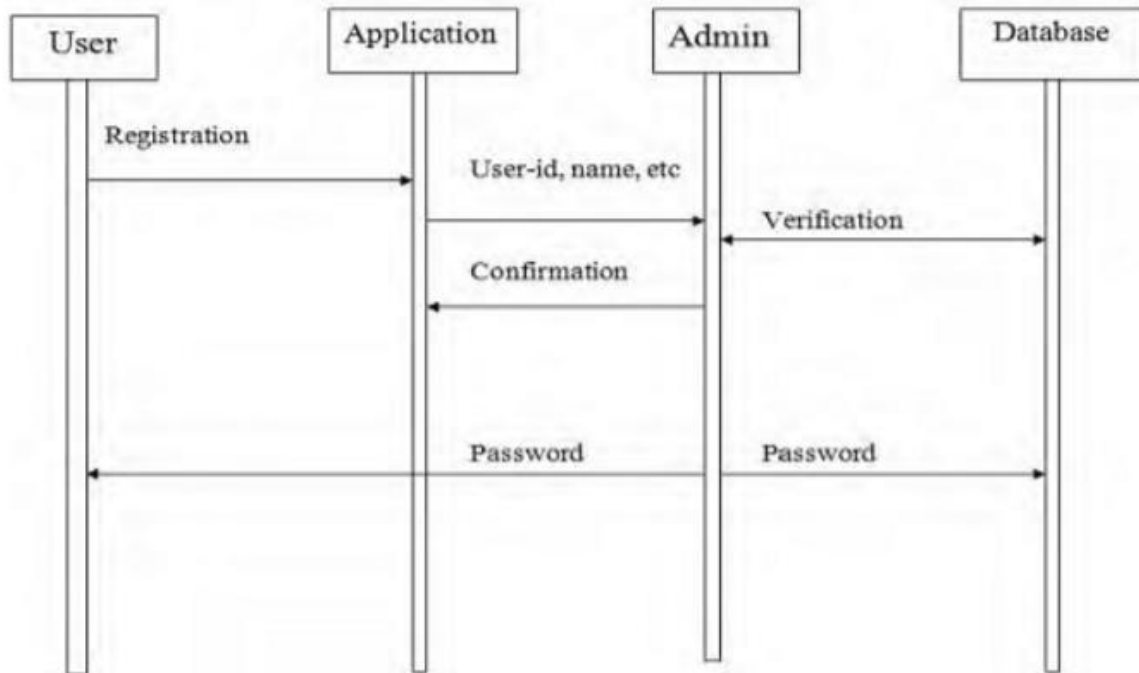
Fig. Voting Process

Figure 1: Sequence diagram of registration

Fig. registration diagram

3.Using Database-

I have made 4 tables in my database sslproject for recording all data. These four tables are – voter, candidate, election, request.

   a. **Voter table-** This table is mainly for voter details, and columns for each election available (that contain a flag record that voter voted or not for that particular election), also login details.
   b. **Candidate table**- This table is mainly for candidate personal information, a column for choose election in which he wants to contest, his login details, this request id (which is used in registration time).
   c. **Election table-** this table contains election name, its start time, its end time.
   d. **Request table**- this table is used when candidate registers. This table consists request id of candidate , comment made by admin(completed comment by admin means he accepts candidate application).

```
sql> select*from candidate;
+---------+-----+-----+--------+-----------+-----------------+-----------+-----------+----------+----------------+----------+-------+
| name    | age | sex | mobile | adhaar    | slogan          | requestNo | userID    | password | contestElection| verified | votes |
+---------+-----+-----+--------+-----------+-----------------+-----------+-----------+----------+----------------+----------+-------+
| ram     | 50  | M   | #      | schoolfrnd| delhi sudharenge..| 31154690 | NULL      | 12345    | NULL           | 0        | 0     |
| modi    | 65  | M   | #      | sdfd      | gareebi hatao   | 80157252  | 686778229 | 123456   | lok            | 1        | 6     |
| gandhi  | 65  | M   | #      | rgandhi   | hath ka panja   | 1389824118| 1183863068| 123456   | lok            | 1        | 0     |
| rajnath | 65  | M   | #      | singh     | hath ka panja   | 1291303638| NULL      | 123456   | NULL           | 0        | 0     |
+---------+-----+-----+--------+-----------+-----------------+-----------+-----------+----------+----------------+----------+-------+
```

Fig. candidate table

```
+-------------+--------------+
| candidateID | comment      |
+-------------+--------------+
| 750549931   | completed    |
| 1199529288  | completed    |
| 1389824118  | completed    |
| 1291303638  | not eligible |
| 80157252    | completed    |
| 1902608160  | completed    |
| 1603531754  | completed    |
| 31154690    | pending      |
+-------------+--------------+
```

Fig. Request table

```
mysql> select*from voter;
+----------+--------+-----+-----+-----------+--------+------------+-------+-----+-------+
| name     | mobile | sex | age | address   | adhaar | userid     | pass  | lok | rajya |
+----------+--------+-----+-----+-----------+--------+------------+-------+-----+-------+
| Tarun    | 12     | M   | 50  | Bharatpur | 1234   | 383627573  | 1234  | 1   | 1     |
| abhi     | #      | F   | 25  | dharwad   | 12345  | 13431102   | 12345 | 1   | 1     |
| abhishek | #      | F   | 25  | dharwad   | 123456 | 2053900137 | 123456| 1   | 1     |
+----------+--------+-----+-----+-----------+--------+------------+-------+-----+-------+
```

Fig. voter table

```
mysql> select*from election;
+--------+---------------------+---------------------+--
| name   | start               | end                 |
+--------+---------------------+---------------------+--
| lok4   | 2018-10-19 20:57:10 | 2020-10-25 17:00:30 |
| lok3   | 2018-10-19 20:57:10 | 2020-10-25 17:00:30 |
| lok2   | 2018-10-19 20:57:10 | 2020-10-25 17:00:30 |
```
Fig. election table.

READ ME:-/

4.For Voter Registration –

a. Click on the voter register on the front page for new voter registration.
b. Fill All Entries Accordingly.
c. The minimum age for the voter is 18.
d. Id No. filled is unique for every user. I am assuming that every user has only one Id (It may be an Aadhaar card, passport). It is the Only criterion for checking the same voter. In the future, we can add biometric information also.
e. For voter when you click register, the system will give you auto-generated user id. Remember the user id and password.

5. For Registered Voter-

a. Enter user id and password, select the voter radio button and click login.
b. It shows your profile and also a button for show election.
c. Click on show election, it shows all election available at that time. Click show candidate for seeing about contesting candidates' details.
d. Click on cast vote. All available candidates are shown there. Click any one to cast your vote. You can cast only once for one election.
e. After election is over, click results. It shows all candidates with how many votes they get.

6.For Registered Candidate-

a. Enter user id and password, select a candidate radio button and click login.
b. It shows your profile and also a button to choose an election and result.

c. Click on choose an election, 'ONE CANDIDATE CAN HOLD ONE OFFICE AT A TIME', click on any one election. 'YOU CAN'T CHANGE ELECTION AFTER YOU CLICK IT'.
d. Click on a result, After the selected election is over. It shows all candidates with how many votes they get.

7. for Admin-

a. Enter user id and password, select the admin radio button and click login.
b. You can create election, verify candidate, show candidates.
c. In create election section, fill election name ('IT SHOULD BE UNIQUE'), Its start time (YYYY-MM-DD HH:MM: SS format) and end time accordingly. And click create.
d. In verify candidate section, all pending requests are shown there. Click on anyone. It shows the candidate profile. There is a box of write your comment. if you are agreed with candidate information then write "completed" in that text box. And click ok.
e. Click on show election, it shows all election available. Click show candidate for knowing about contesting candidates' detail.
e. After election is over, click results. It shows all candidates with how many votes they get.

8.For Candidate Registration –

a. Click on cand register on the front page for new candidate registration.
b. Fill All Entries Accordingly.
c. The minimum age for a candidate is 25.
d. Id No. filled is unique for every user. I am assuming that every user has only one Id (It may be an Aadhaar card, passport). Only criteria for checking the same candidate. In the future, we can add biometric information also.
e. For the candidate when you click register system will give you auto-generated request-id. Now your request goes to admin. After the admin accepts your request. he will give you a userId. Again, remember your user id and password.
g. Candidate can check their request progress by entering request-id and password on the cand register page.

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9.Future improvements-

a. we can add biometric to login or as an identity card in election and for voting.
b. We can host it on any server so that more people can use it.
c. we can make it more fast, safe, compatible for large number of users when they are using at same time.
d. obviously we can improve our layout, designing of application.
e. we can connect it to emails, mobile phone number for more security and forget password thing.