CS PROJECT

PROJECT NAME :

ELECTION VOTING SYSTEM

TECHNO INTERNATIONAL NEWTOWN

GROUP MEMBERS

ANWARUL HAQUE

SUNANDA SAMANTA

ANNASHA DHAR

PIYUSH KUMAR BYAHUT

WHAT WE HAVE LEARNED :

ELECTION VOTING SYSTEM :

An electoral system or voting system is a set of rules that determine how elections are conducted and how their results are determined. These rules govern all the aspects of the voting process : when elections occur, who is allowed to vote, who can stand as a candidate , how ballots are marked and counted and other factors that can affect the result.

SCOPE OF STUDY :

It is focused on studying the existing system of voting and to make sure that the votes are being counted properly to improve fairness in the elective positions .This will produce :

1. Less effort and less labor intensive, as the primary cost and focus primary on creating, managing and running a secure web voting portal.
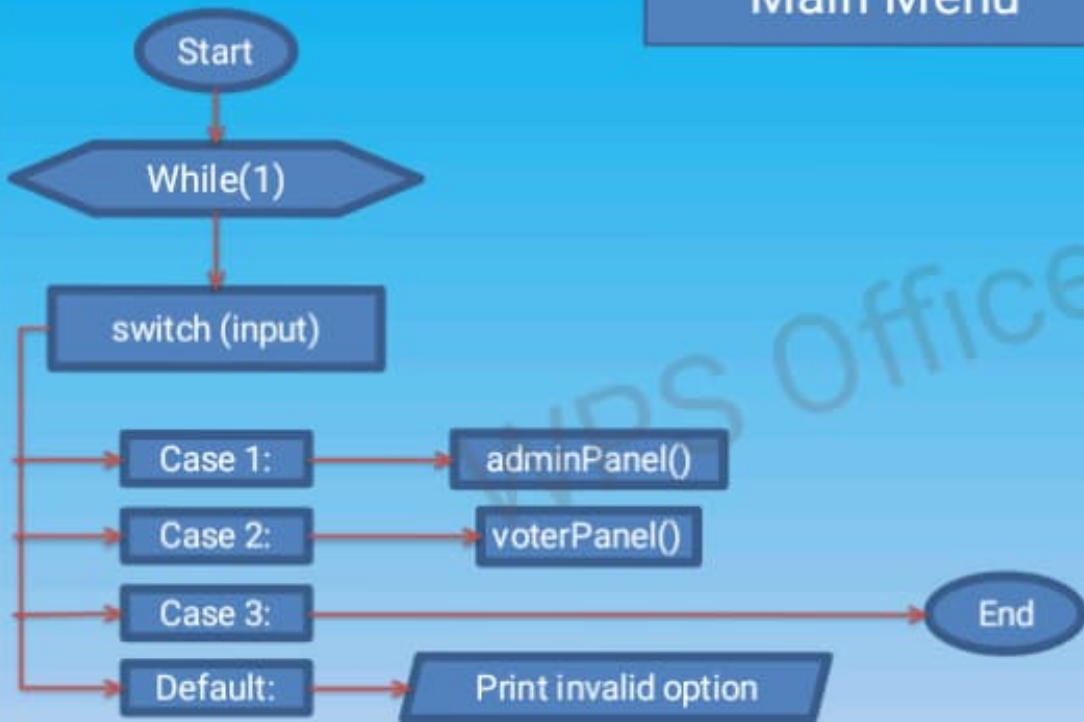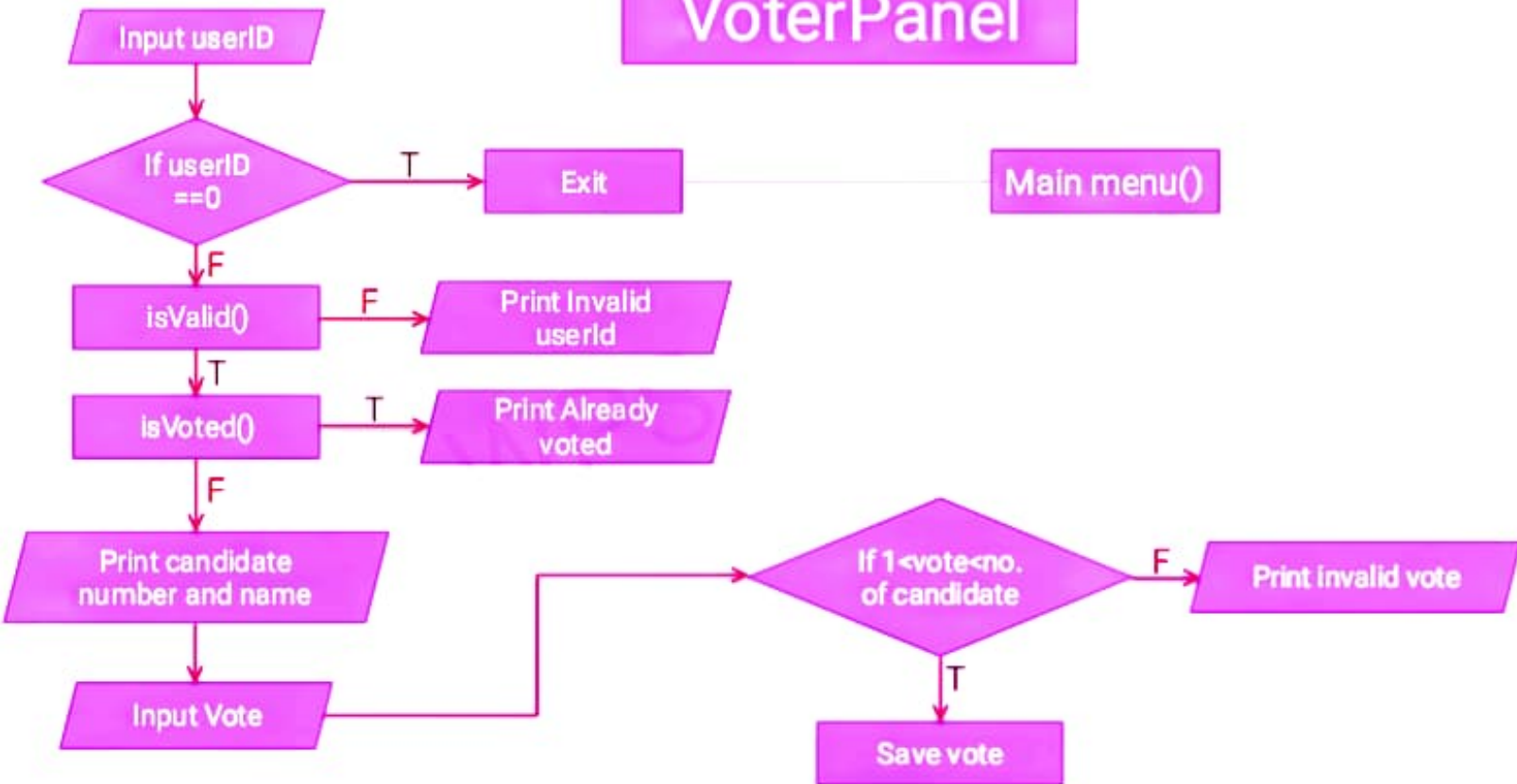2. Increasing number of votes as individuals will find it easier and more convenient to vote.

MODULE :

AdminPanel()
authenticateAdmin()
initiateNewElection()
saveElectionInfoInFile()
createCandidatesFiles()
VoterPanel()
getWinner()

Main Menu

Start

While(1)

switch (input)

Case 1: → adminPanel()

Case 2: → voterPanel()

Case 3: → End

Default: → Print invalid option

VoterPanel

Input userID

If userID ==0 → **T** → Exit ⋯⋯ Main menu()

F

isValid() → **F** → Print Invalid userId

T

isVoted() → **T** → Print Already voted

F

Print candidate number and name

Input Vote

If 1<vote<no. of candidate → **F** → Print invalid vote

T

Save vote

Admin Panel

- authenticateAdmin() → Print wrong username/password
- Print Logged in successfully
- While(1)
- switch (input)
  - Case 1: → New Election → initiateNewElection() → saveElectionInfoInFile() → createCandidateFiles()
  - Case 2: → Continue Previous Election → loadElectionInfoFromFile()
  - Case 3: → Result → getWinner() →F→ Print Tie
    - getWinner() →T→ Print winner name → Print winner vote
  - Case 4: → Logout
  - Default: → Print invalid option
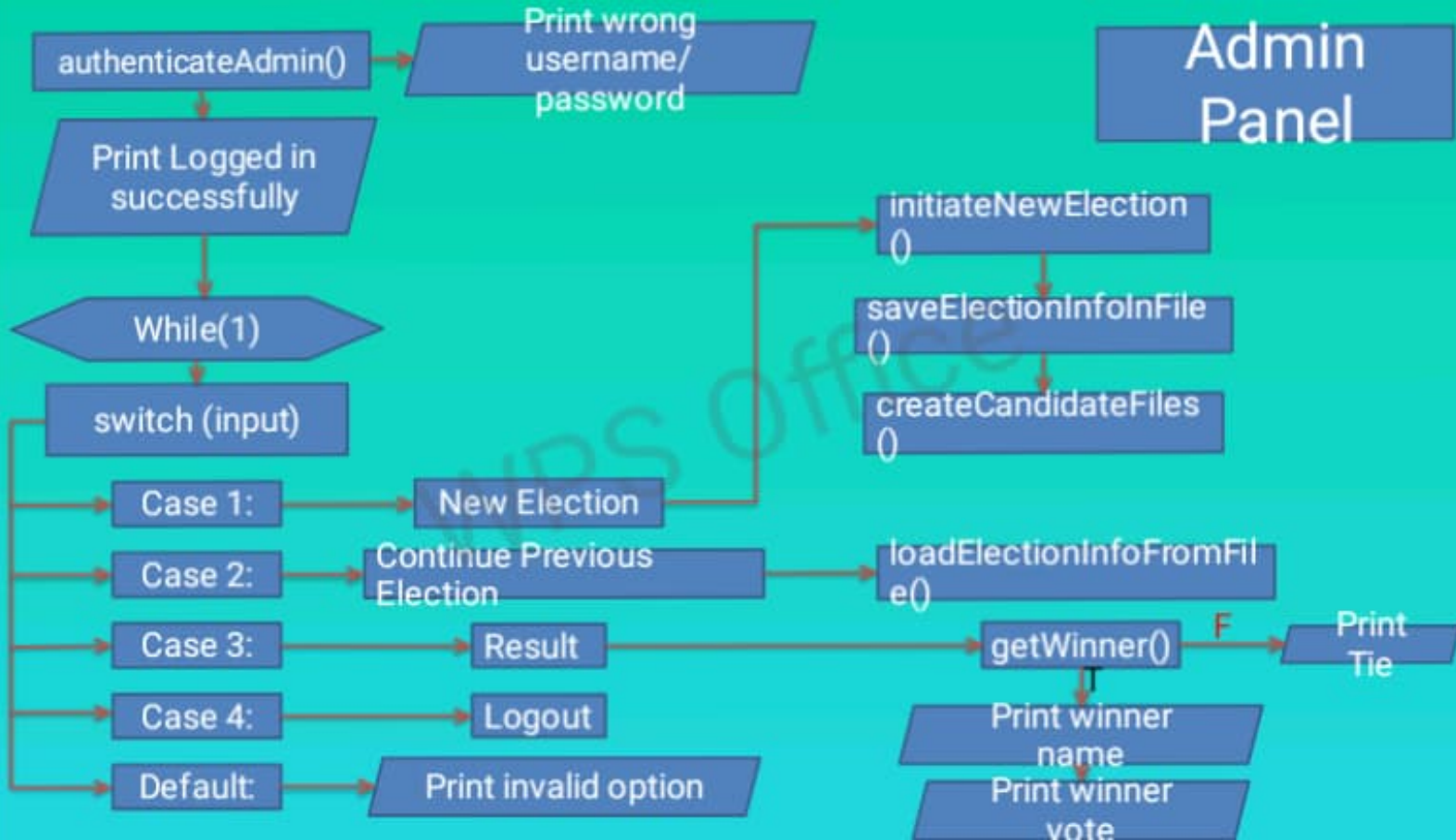
ANALYSIS :

Project justification :

The VOTING SYSTEM-INDIA shall reduce the time spend making long queues at the polling stations during voting. It shall also enable the voters to vote from any part of the globe as explained since this is an online application available on the internet.

Problems with the Existing Voter Registration System :

1.Expensive and Time consuming : The process of collecting data entering this data into the database takes too much time and is expensive to conduct,.

2. Too much paper work : The process involves too much paper work and paper storage which is difficult as papers become bulky with the population size.

3.Errors during data entry : It is very unlikely for humans to be 100% efficient in data entry.

4.Loss of registration forms : Sometimes, registration forms get lost after being filled in with voter's details.

5.Short time provided to view the voter register : This is a very big problem since not all people have free time during the given short period of time to check and update the voter register.

OUTPUT :

```
                              1.Admin panel
                              2.Voter panel
                              3.Exit
                              Option:1

Enter username: Admin
Enter Password: *****

LOGGED IN SUCCESSFULLY

1.New Election
2.Continue Previous Election
3.Result
4.Logout
Option:1

New Election Initiation:

Enter the Year of Election: 2022
Enter Constituency Number:135
Enter the no. of candidates:3
Enter name of candidate 1: BJP
Enter name of candidate 2: TMC
Enter name of candidate 3: AAP
Saving Election Info in File...
Saved Successfully.
Creating candidate files...
Created Files successfully
```

```
1.New Election
2.Continue Previous Election
3.Result
4.Logout
Option:4


                          1.Admin panel
                          2.Voter panel
                          3.Exit
                          Option:2




  To exit press 0
  Enter user ID:3586473846


  Candidates for election:
  1. BJP
  2. TMC
  3. AAP

  Your Vote:1


Thanks for your precious vote
Press Any Key to Continue
```

```
Thanks for your precious vote
Press Any Key to Continue


   To exit press 0
   Enter user ID:6347637438


   Candidates for election:
   1. BJP
   2. TMC
   3. AAP

   Your Vote:2

Thanks for your precious vote
Press Any Key to Continue


   To exit press 0
   Enter user ID:4387434778


   Candidates for election:
   1. BJP
   2. TMC
   3. AAP

   Your Vote:1


Thanks for your precious vote
Press Any Key to Continue
```

```
        To exit press 0
        Enter user ID:0

                                        1.Admin panel
                                        2.Voter panel
                                        3.Exit
                                        Option:1


    Enter username: Admin
    Enter Password: *****

    LOGGED IN SUCCESSFULLY

    1.New Election
    2.Continue Previous Election
    3.Result
    4.Logout
    Option:3

    Winner is BJP with 2 votes

    Full Result
    1. BJP -> 2 votes
    2. TMC -> 1 votes
    3. AAP -> 0 votes

                                        1.Admin panel
                                        2.Voter panel
                                        3.Exit
                                        Option:3
```

Files

- candidate1.txt
- candidate2.txt
- candidate3.txt
- ELECTION1.c
- ELECTION1.exe
- ElectionInfo.txt
- VoterIds.txt

```
                                        1.Admin panel
                                        2.Voter panel
                                        3.Exit
                                        Option:1

Enter username: Admin
Enter Password: *****

LOGGED IN SUCCESSFULLY

1.New Election
2.Continue Previous Election
3.Result
4.Logout
Option:2

            Getting Previous Data...
            Previous Data Fetched.

1.New Election
2.Continue Previous Election
3.Result
4.Logout
Option:3

Winner is BJP with 2 votes

Full Result
1. BJP -> 2 votes
2. TMC -> 1 votes
3. AAP -> 0 votes

                                        1.Admin panel
                                        2.Voter panel
                                        3.Exit
                                        Option:3
```

TAKE BACKS

Working on this project taught us how to operate in a team, distribute and take responsibilities.

As we researched in the domain of Election Voting system. We got our knowledge of the problems and did our best to solve and simplify them.

We need to work with more people to understand the full scope of the domain. This was challenging project and we did our best. Looking forward to our next challenge.