

USER INTERFACE

For

The Parliamentary voting system

Simulate/operate a simplified election workflow: registration, polling, counting (including PR allocation), preference counting, and results.

MAIN MENU

```
=====
Welcome to Sri Lanka Parliament
Voting System 2025
=====
```

```
[1] Admin Control Panel
[2] Voter Registration
[3] Candidate Registration
[4] Vote Casting (Polling)
[5] View Nominations List
[6] Results & Publications
[0] Exit System
```

```
-----
Enter your choice: _
```

ADMIN PANEL

```
=====
ADMIN CONTROL PANEL - 2025
=====
```

```
[1] Returning Officer (RO)
[2] Election Admin
[3] Presiding Officer (PO)
[4] Party Agent / Observer
[0] Back to Main Menu
```

```
-----
Enter your choice: _
```

RETURNING OFFICER LOGIN

```
=====
                        RETURNING OFFICER LOGIN
=====
Please enter your credentials:

Username: ro5615
Password: *****

[System] Authenticating...
[System] Login successful!
-----
Redirecting to RO Main Menu...
```

RETURNING OFFICER MAIN MENU

```
=====
                        RETURNING OFFICER (RO) CONTROL PANEL
=====

[1] Accept Nomination List
[2] District Result Generation
[3] Nomination Review & Approval
[4] Result View and Publication
[0] Back to Admin Panel

-----
Enter your choice: _
```

RO Nomination List view

```
=====
                        ACCEPT NOMINATION LIST – BY PARTY
=====

[ Party: United People's Party (UPP) ]
  - Candidate 01: A. Perera (Colombo)
  - Candidate 02: S. Silva (Colombo)
  - Candidate 03: K. Fernando (Colombo)

[ Party: National People's Power (NPP) ]
  - Candidate 01: R. Jayasuriya (Gampaha)
  - Candidate 02: D. Kumara (Gampaha)

[ Party: Freedom Alliance (FA) ]
  - Candidate 01: M. Gunasekara (Kandy)
  - Candidate 02: H. Wijesinghe (Kandy)

-----
Options:
[0] Back to RO Menu

-----
Enter your choice: _
```

RO DISTRICT RESULT GENERATION

```
=====
DISTRICT RESULT GENERATION & PUBLICATION
=====
```

```
Step 1: Polling Status
-> All stations: CLOSED
```

```
-----
Step 2: Final Counting - All Districts
-----
```

```
> run_final_results                               Secret key to generate this
```

```
[System] Starting final counting...
- Colombo ..... Processing [OK] -> results_colombo.txt
- Gampaha ..... Processing [OK] -> results_gampaha.txt
- Galle ..... Processing [OK] -> results_galle.txt
- Matara ..... Processing [OK] -> results_matara.txt
```

```
Done...
```

```
-----
Options:
[0] Back to RO Menu
-----
```

```
Enter your choice: _
```

RO NOMINATION REVIEW & APPROVAL

```
=====
NOMINATION REVIEW & APPROVAL
=====
```

```
[System] Nominations submitted by Party Agents:
```

```
[1] United People's Party (UPP)      -> 12 Candidates
[2] National People's Power (NPP)    -> 10 Candidates
[3] Freedom Alliance (FA)            -> 08 Candidates
[4] Democratic Front (DF)            -> 07 Candidates
```

```
-----
Options:
Select a Party [1-4]
[0] Back to RO Menu
-----
```

```
Enter your choice: _
```

RO REVIEW NOMINATIONS

=====

REVIEW NOMINATIONS – NPP

=====

Party: National People's Power (NPP)

Submitted by: Agent R. Jayasuriya

District: Gampaha

Candidates:

No.	Candidate Name	NIC Number	Candidate No.	Age	District
[01]	S. Perera	921234567V	NPP-101	33	Gampaha
[02]	K. Kumara	901112345V	NPP-102	35	Gampaha
[03]	H. Silva	881245678V	NPP-103	37	Gampaha
[04]	M. Fernando	951122334V	NPP-104	30	Gampaha
[05]	D. Wijesinghe	930987654V	NPP-105	32	Gampaha
[06]	L. Jayawardena	941122334V	NPP-106	31	Gampaha
[07]	R. Abeysekara	890112233V	NPP-107	36	Gampaha
[08]	P. Bandara	920998877V	NPP-108	34	Gampaha
[09]	W. Karunaratne	950223344V	NPP-109	29	Gampaha
[10]	J. Senanayake	880112244V	NPP-110	38	Gampaha

Actions:

[1] Approve Nomination List

[2] Disapprove Nomination List

[0] Back to Party Selection

Enter your choice: _

RO PUBLICATION MIAN MENU

=====

RETURNING OFFICER – PUBLISH NOMINATIONS

=====

[System] Approved nomination lists ready for publication:

[1] United People's Party (UPP)	-> Approved, Not Published
[2] National People's Power (NPP)	-> Approved, Not Published
[3] Freedom Alliance (FA)	-> Approved, Not Published
[4] Democratic Front (DF)	-> Pending Review

Options:

Select Party to Review & Publish [1-4]

[0] Back to RO Menu

Enter your choice: _

RO PUBLISH PATY LIST

```
=====
PUBLISH NOMINATION LIST – NATIONAL PEOPLE’S POWER
=====
```

District: Gampaha
Party Agent: R. Jayasuriya

Candidates:

No.	Candidate Name	NIC Number	Candidate No.	Age	District
[01]	S. Perera	921234567V	NPP-101	33	Gampaha
[02]	K. Kumara	901112345V	NPP-102	35	Gampaha
[03]	H. Silva	881245678V	NPP-103	37	Gampaha
[04]	M. Fernando	951122334V	NPP-104	30	Gampaha
[05]	D. Wijesinghe	930987654V	NPP-105	32	Gampaha
[06]	L. Jayawardena	941122334V	NPP-106	31	Gampaha
[07]	R. Abeysekara	890112233V	NPP-107	36	Gampaha
[08]	P. Bandara	920998877V	NPP-108	34	Gampaha
[09]	W. Karunaratne	950223344V	NPP-109	29	Gampaha
[10]	J. Senanayake	880112244V	NPP-110	38	Gampaha

Actions:

- [1] Publish This Nomination List
- [2] Reject (Send Back to Party Agent)
- [0] Back to Party Selection

Enter your choice: 1

RO PUBLIC NOMINATION LIST

```
=====
PUBLIC NOMINATION LIST VIEWER
=====
Approved Nominations are available party-wise:
```

- [1] United People’s Party (UPP)
- [2] National People’s Power (NPP)
- [3] Freedom Alliance (FA)

Options:

- Select a Party [1-3]
- [0] Back to Main Menu

Enter your choice: 2

RO INSIDE PUBLIC NOMINATION LIST

=====

NOMINATION LIST – NATIONAL PEOPLE’S POWER

=====

District: Gampaha

Approved by: Returning Officer

Publication Status: ACTIVE

No.	Candidate Name	NIC Number	Candidate No.	Age	District
[01]	S. Perera	921234567V	NPP-101	33	Gampaha
[02]	K. Kumara	901112345V	NPP-102	35	Gampaha
[03]	H. Silva	881245678V	NPP-103	37	Gampaha
[04]	M. Fernando	951122334V	NPP-104	30	Gampaha
[05]	D. Wijesinghe	930987654V	NPP-105	32	Gampaha
[06]	L. Jayawardena	941122334V	NPP-106	31	Gampaha
[07]	R. Abeysekara	890112233V	NPP-107	36	Gampaha
[08]	P. Bandara	920998877V	NPP-108	34	Gampaha
[09]	W. Karunaratne	950223344V	NPP-109	29	Gampaha
[10]	J. Senanayake	880112244V	NPP-110	38	Gampaha

[0] Back to Party Selection

ELECTION ADMIN LOGIN

```
=====
ELECTION ADMIN LOGIN
=====

Please enter your credentials:

Username: ea2025
Password: *****

[System] Authenticating...
[System] Login successful!
-----
Redirecting to Election Admin Panel...
```

ELECTION ADMIN PANEL

```
=====
ELECTION ADMIN PANEL
=====

[1] District Registration
[2] Party Registration
[3] Final Result Declaration
[0] Back to Admin Control Panel
-----
Enter your choice: _
```

DISTRICT REGISTRATION

```
=====
DISTRICT REGISTRATION
=====

[1] Add New District
[2] Display All Districts
[0] Back to Election Admin Panel
-----
Enter your choice: _
```

ADD NEW DISTRICT

```
=====
ADD NEW DISTRICT
=====

Enter District Name : Colombo
Enter District Code : D01
Enter Number of Seats: 19

[System] District successfully registered.
-----
Redirecting to District Registration Menu...
```


REGISTERED DISTRICTS

REGISTERED DISTRICTS		
District Code	District Name	Seats
D01	Colombo	19
D02	Gampaha	18
D03	Kandy	12
Total Districts Registered: 3		

PARTY REGISTRATION

PARTY REGISTRATION	
[1] Add New Party	
[2] Display Registered Parties	
[0] Back to Election Admin Panel	
Enter your choice: _	

ADD NEW PARTY

ADD NEW PARTY	
Enter Party Code : NPP01	
Enter Party Name : National People's Power	
Enter Party Symbol: symbol 1	
[System] Party successfully registered.	
Redirecting to Party Registration Menu...	

REGISTERED PARTIES

REGISTERED PARTIES		
Party Code	Party Name	Symbol
NPP01	National People's Power	symbol 1
UNP02	United National Party	symbol 1
SLFP03	Sri Lanka Freedom Party	symbol 1
Total Parties Registered: 3		

FINAL RESULT DECLARATION

```
=====
FINAL RESULT DECLARATION
=====
```

```
[1] Collect District Results
[2] Generate Final Result Summary
[0] Back to Election Admin Panel
```

```
-----
Enter your choice: _
```

FINAL RESULT SUMMARY – 2025

```
=====
FINAL RESULT SUMMARY - 2025
=====
```

Party Code	Party Name	Total Seats
NPP	National People's Power	120
UNP	United National Party	65
SLFP	Sri Lanka Freedom Party	35
JVP	Janatha Vimukthi Peramuna	10
Others	Independent / Small Groups	5

```
-----
Total Parliamentary Seats: 235
-----
```

```
Winner → National People's Power (NPP)
```

PRESIDING OFFICER LOGIN

```
=====
PRESIDING OFFICER LOGIN
=====
```

Please enter your credentials:

Username: po2025

Password: *****

[System] Authenticating...

[System] Login successful!

Redirecting to Presiding Officer Panel...

PRESIDING OFFICER PANEL

```
=====
PRESIDING OFFICER PANEL
=====
```

[1] Open Polling

[2] Close Polling

[0] Back to Admin Control Panel

Enter your choice: _

PO - OPEN POLLING

```
=====
OPEN POLLING
=====
```

Confirm action: Do you want to OPEN polling?

[1] Yes - Open Polling

[2] No - Cancel and Return

Enter your choice: _

PO - CLOSE POLLING

```
=====
CLOSE POLLING
=====
```

Confirm action: Do you want to CLOSE polling?

[1] Yes - Close Polling

[2] No - Cancel and Return

Enter your choice: _

PARTY ADMIN LOGIN

```
=====
                        PARTY ADMIN LOGIN
=====
Please enter your credentials:

Username: adminP001
Password: *****

[System] Authenticating...
[System] Login successful!
-----
Redirecting to Party Admin Main Menu...
```

PARTY ADMIN CONTROL PANEL

```
=====
                        PARTY ADMIN CONTROL PANEL
=====
[1] Submit Nomination List to RO
[0] Logout
-----
Enter your choice: _
```

SUBMIT NOMINATION LIST

```
=====
                        SUBMIT NOMINATION LIST
=====
Enter Party Code   : P123
Enter Party Name   : Unity National Party
-----
Enter Candidate Name : Mr. A. Perera
Enter Candidate Code : C001
Enter District Code  : D012
Enter NIC Number     : 199052315678
Enter Date of Birth  : 1990-05-23
-----
Add another candidate? (Y/N): Y

Enter Candidate Name : Ms. B. Silva
Enter Candidate Code  : C002
Enter District Code   : D012
Enter NIC Number      : 198812312345
Enter Date of Birth   : 1988-12-31
-----
Add another candidate? (Y/N): N

Confirm Submission? (Y/N): Y
[System] Saving nomination list...
[System] Nomination list successfully submitted to RO!
-----
Redirecting to Party Admin Menu...
```

SUBMIT NOMINATION LIST

```
=====
                        VOTER REGISTRATION
=====
Enter NIC Number       : 199052315678
Enter Full Name        : Mr. A. Perera
Enter Age              : 34
Citizenship (Y/N)     : Y
Create Password        : *****
Enter District Code    : D012
-----
[System] Saving voter record...
[System] Registration successful!
-----
Redirecting to Main Menu...
```

CANDIDATE REGISTRATION

```
=====
                        CANDIDATE REGISTRATION
=====
Enter NIC Number       : 199012345678
Enter Candidate Name    : Ms. B. Silva
Enter Age              : 35
Citizenship (Y/N)     : Y
Create Password        : *****
Enter District Code    : D012
Enter Party Code       : P123
-----
[System] Saving candidate record...
[System] Candidate registration successful!
-----
Redirecting to Main Menu...
```

POLLING LOGIN

```
=====
                        POLLING LOGIN
=====
Enter NIC Number : 199052315678
Enter Password   : *****
-----
[System] Authenticating voter...
[System] Login successful!
-----
Redirecting to Voting Panel...
```

VOTING CASTING

```
=====
                        VOTING CASTING
=====
Select Your District: D012
-----
Available Parties:
[1] P123 - Unity National Party
[2] P456 - People's Freedom Front
[3] P789 - National People's Alliance
-----
Enter Party Code: P123
-----
Available Candidates in P123 (District D012):
[1] C001 - Mr. A. Perera
[2] C002 - Ms. B. Silva
[3] C003 - Mr. R. Fernando
[4] C004 - Ms. D. Kumari
-----
You may vote for up to 3 candidates in this party.
Enter Candidate Codes (separated by commas): C001,C002,C004
-----
Confirm Vote for:
- Mr. A. Perera (C001)
- Ms. B. Silva (C002)
- Ms. D. Kumari (C004)
(Y/N): Y

[System] Vote successfully cast!
[System] Thank you for voting.
-----
Redirecting to Main Menu...
```

PUBLIC NOMINATION LIST – 2025

PUBLIC NOMINATION LIST – 2025

Available Parties:

- [1] P123 - Unity National Party
- [2] P456 - People's Freedom Front
- [3] P789 - National People's Alliance
- [0] Back to Main Menu

Enter Party Code to View Candidates: P123

NOMINATION LIST – UNITY NATIONAL PARTY (P123)

Candidate Name	Candidate Code	NIC	District	District Code
Mr. A. Perera	C001	199052312345	Colombo	D001
Ms. B. Silva	C002	199083456789	Colombo	D001
Mr. R. Fernando	C003	199061198765	Gampaha	D002
Ms. D. Kumari	C004	199095432167	Gampaha	D002

Press [Enter] to return to Party Selection...

Election Results Menu - 2025

```
=====
Election Results Menu - 2025
=====

Available Districts:
[1] District-wise Results
[2] Party Detail View
[3] rejected party
[0] Back to Main Menu
```

```
-----
Enter District Code to View Results: D001
-----
```

ELECTION RESULTS – 2025

```
=====
ELECTION RESULTS - 2025
=====

Available Districts:
[1] D001 - Colombo
[2] D002 - Gampaha
[3] D003 - Kandy
[0] Back to Main Menu
```

```
-----
Enter District Code to View Results: D001
-----
```

ELECTION RESULTS – DISTRICT COLOMBO (D001)

```
-----
Party Code    Party Name                Total Votes    Seats Won
-----
P123          Unity National Party        105,450        6
P456          People's Freedom Front      89,320         5
P789          National People's Alliance  42,150         2
-----
```

```
Bonus Seat Awarded to: P123 - Unity National Party
-----
```

```
-----
Press [Enter] to return to District Selection...
-----
```


UNITY NATIONAL PARTY (P123) – ELECTED MPs

```
=====
UNITY NATIONAL PARTY (P123) – ELECTED MPs
=====
```

DISTRICT: Colombo (D001) – Seats Won: 6

```
-----
Candidate Name      Candidate Code  Preference Votes  Status
-----
Mr. A. Perera       C001           25,430           Elected
Ms. B. Silva        C002           23,120           Elected
Mr. R. Fernando     C003           19,870           Elected
Ms. D. Kumari       C004           18,530           Elected
Mr. L. Jayasinghe   C005           17,990           Elected
Mr. K. Wickrama     C006           16,750           Elected
-----
```

DISTRICT: Gampaha (D002) – Seats Won: 5

```
-----
Candidate Name      Candidate Code  Preference Votes  Status
-----
Ms. S. Fernando     C021           22,300           Elected
Mr. J. Silva        C022           21,880           Elected
Mr. T. Perera       C023           19,670           Elected
Mr. D. Bandara      C024           18,540           Elected
Ms. W. Kumari       C025           16,930           Elected
-----
```

Press [Enter] to return to Party Summary...

END