User Guide for Polling Officer - Polling System

This user guide provides instructions for Polling Officers on how to manage candidates and declare the winner using the Polling System.

# Log in

Launch the Polling System application.

Select "1. Login" from the main menu.

Enter your Polling Officer username and password.

If this is your first time logging in, you will be prompted to enter the number of candidates and their names. Provide the required information.

# Polling Officer Panel

After logging in, you will be taken to the Polling Officer Panel. The panel contains the following options:

1. Add Candidate
2. Remove Candidate
3. Declare Winner
4. Exit

# Add Candidate

To add a new candidate, select "1. Add Candidate" from the Polling Officer Panel.

Enter the name of the new candidate.

The candidate will be added, and the system will display a confirmation message.

**Note**: You cannot add more candidates if the maximum number of candidates (currently set to 10) has been reached.

# Remove Candidate

To remove an existing candidate, select "2. Remove Candidate" from the Polling Officer Panel.

The system will display a list of candidates with their corresponding numbers.

Enter the number of the candidate you wish to remove.

The candidate will be removed, and the system will display a confirmation message.

Declare Winner

To declare the winner based on the current poll results, select "3. Declare Winner" from the Polling Officer Panel.

The system will display the poll results, including the number of votes each candidate received.

The winner will be announced based on the highest number of votes.

# Exit

To exit the Polling Officer Panel, select "4. Exit" from the Polling Officer Panel menu.

You will be taken back to the main menu of the Polling System.

# Known Issues and Fixes

Issue: The polling officer is stuck at the candidate entry screen when logging back in after a voter has voted.

Fix: This issue has been fixed in the latest version of the Polling System. Update to the latest version to prevent this issue.

# Flowchart

A picture containing chart

Description automatically generated

# Test Scenario

In this test scenario, we will walk through a complete voting process, including the roles of the Polling Officer, Voter, and Admin.

1. Launch the Polling System application.
2. The main menu will appear with the following options:
   1. Login
   2. Exit
3. The Polling Officer logs in:
   1. Select "1. Login" and enter the Polling Officer's username and password.
   2. The Polling Officer will be prompted to enter the number of candidates and their names.
   3. After entering the candidate information, the Polling Officer Panel will appear.
4. The Polling Officer adds a candidate:
   1. Select "1. Add Candidate" and enter the new candidate's name.
   2. The candidate will be added, and a confirmation message will appear.
5. The Polling Officer removes a candidate (optional):
   1. Select "2. Remove Candidate" and choose the candidate number to be removed.
   2. The candidate will be removed, and a confirmation message will appear.
6. The Polling Officer exits their panel by selecting "4. Exit" from the Polling Officer Panel menu.
7. A Voter logs in:
   1. Select "1. Login" and enter the Voter's username and password.
   2. The Voter Panel will appear, displaying the list of candidates.
8. The Voter casts their vote:
   1. The Voter selects the candidate number for whom they want to vote.
   2. A confirmation message will appear, and the Voter will be logged out.
9. Repeat steps 7 and 8 for additional voters as needed.
10. The Polling Officer logs back in to declare the winner:
    1. Select "1. Login" and enter the Polling Officer's username and password.
    2. The Polling Officer Panel will appear.
    3. Select "3. Declare Winner" to display the poll results and announce the winner.
11. The Admin logs in to reset a user's password (optional):
    1. Select "1. Login" and enter the Admin's username and password.
    2. The Admin Panel will appear.
    3. Select "1. Reset User Password" and enter the username of the user whose password needs to be reset.
    4. Enter the new password for the user, and a confirmation message will appear.
    5. The Admin can exit their panel by selecting "2. Exit" from the Admin Panel menu.
12. To exit the Polling System application, select "2. Exit" from the main menu.