

User Manual (Machine B)

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Product Overview

Etovucca Voting Machine is a software used for e-voting. It contains frontend and backend interfaces with functionalities including registration for new voters and management of elections.

Specification

Specification for Etovucca Voting Machine

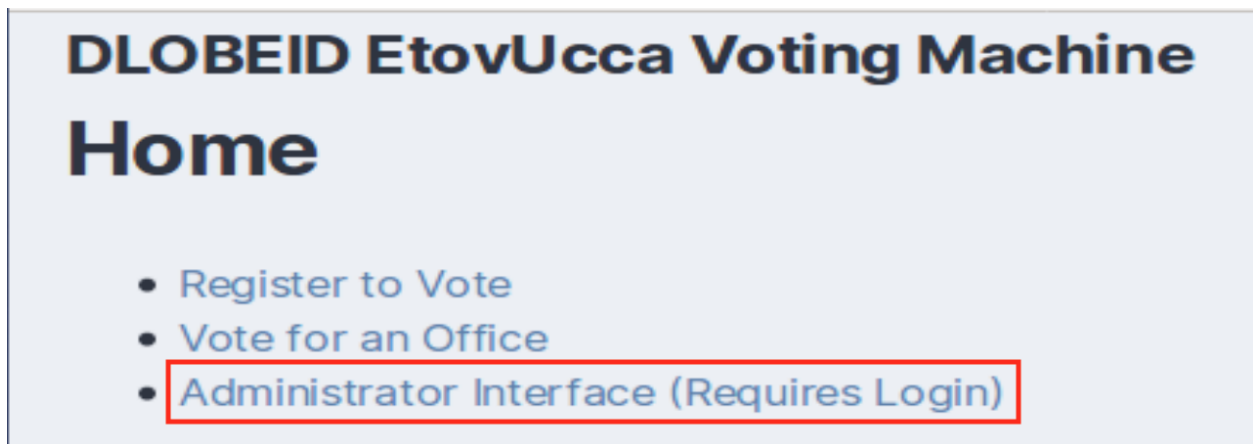
 Title	 Content
<u>Name</u>	Etovucca Voting Machine
<u>Model</u>	Machine B
<u>Features</u>	1. Admin Panel for: - opening, publishing, removing elections; - editing election office, candidates, zip codes - tracking details of registered voters 2. Registration for new voters 3. Interface for voters to cast ballots

Function Overview

Please refer to our [Readme.md](#) for detailed instructions to set up and visiting our e-voting website. After successful setup, visit <http://localhost:8000/cgi-bin/home.cgi>.

Admin Panel

To visit admin panel, click on the third link (shown below):



Login to Admin Panel

Type in password [admin](#) to login admin panel.

DLOBEID EtovUcca Voting Machine
Admin Interface Login

Admin Password:

Login

[Return to Homepage](#)

Creating new election

- Add Election

Type in the date of the election, click on button "Add Election"

Add Election

New Election Date:

- Add office to an election

Select the correct date of the election from the drop-down box. Type in the office name you want to add for the election.

Add Office to Election

Election:

New Office Name:

- Add zip to election for an office

Select the office you want to add zip from the drop-down box. Type in the office name you want to add for the office. Beware that only 1 zip code is allowed each time.

Add ZIP to Election for an Office

Office:

New ZIP Code:

- Add candidate to an election for an office

Select the office you want to add zip from the drop-down box. Type in the candidate name you want to add for the office. Beware that only 1 candidate name is allowed each time.

Add Candidate to Election for an Office

Office:

New Candidate Name:

Open a new election

After creating the details of the new election, you can open the election by clicking the "Open" link.

Closed Elections

- Election ID 1: 2021-12-15 [Open](#) [Publish](#)
 - Office ID 1: hw
 - Eligible ZIP Codes: 21218
 - Candidate ID 1: blue jay

You can see the election is opened successfully.

Open Elections

- Election ID 1: 2021-12-15 [Close](#)
 - Office ID 1: hw
 - Eligible ZIP Codes: 21218
 - Candidate ID 1: blue jay

Close and publish the election

After voting, we can click close the elections and publish the result of the election:

Published Elections

- Election ID 1: 2021-12-15 [Delete](#)
 - Office ID 1: hw
 - Eligible ZIP Codes: 21218
 - Candidate ID 1: blue jay (1 votes)

Detail of an election, including the election ID, date held, offices with their zip code, candidate, and the vote for a candidate, can be seen after an election is published.

Noticeably, we can also delete the election by clicking "Delete" link.

Check the voter information

Detailed information of the voter can be checked at the bottom of admin panel, under a section called [Voter Rolls](#).

Voter Rolls

- Linda (1986-10-27): Monroe, 47403
- Bob (1996-05-01): Baltimore, 21218
- Heather (1998-04-01): Baltimore, 21216

Voter Panel

To register a voter, click the first line (shown below):

DLOBEID EtovUcca Voting Machine

Home

- [Register to Vote](#)
- [Vote for an Office](#)
- [Administrator Interface \(Requires Login\)](#)

Register a new voter

- Fill in the following form to finish the voters' registration.

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Voter Registration

Voter Name

County

ZIP Code

Date of Birth

Submit

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Please be aware only alphanumeric characters and common special character (e.g. space, %@#&^*, etc) are allowed for voter name and county section. Emojis and Greek characters are not recommended here. Similarly, only numbers is allowed for zip code.

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Voter Registration

Voter Name

County

ZIP Code



Date of Birth

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[Return to Homepage](#)

Voter registered. ID: 4

After registration, you will see a notification indicating the voter is successfully registered with a valid voter id. Alternatively, you will see an error message if the registration is not successful. Check if you have violated any rules listed above for troubleshoot.

Cast a ballot

To cast a ballot, click the second line 'Vote for an Office'

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Home

- [Register to Vote](#)
- [Vote for an Office](#)
- [Administrator Interface \(Requires Login\)](#)

- Please be aware that only with the zip code of the voter corresponding to the office's zip codes, the vote can succeed.

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Vote

Voter ID

Ballot

[Return to Homepage](#)

DLOBEID EtovUcca Voting Machine

Vote

Sucessfully cast ballot.

- Election Date: 2021-12-15
- Office: hw
- Candidate: blue jay

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