

Election Voting System

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Abstract

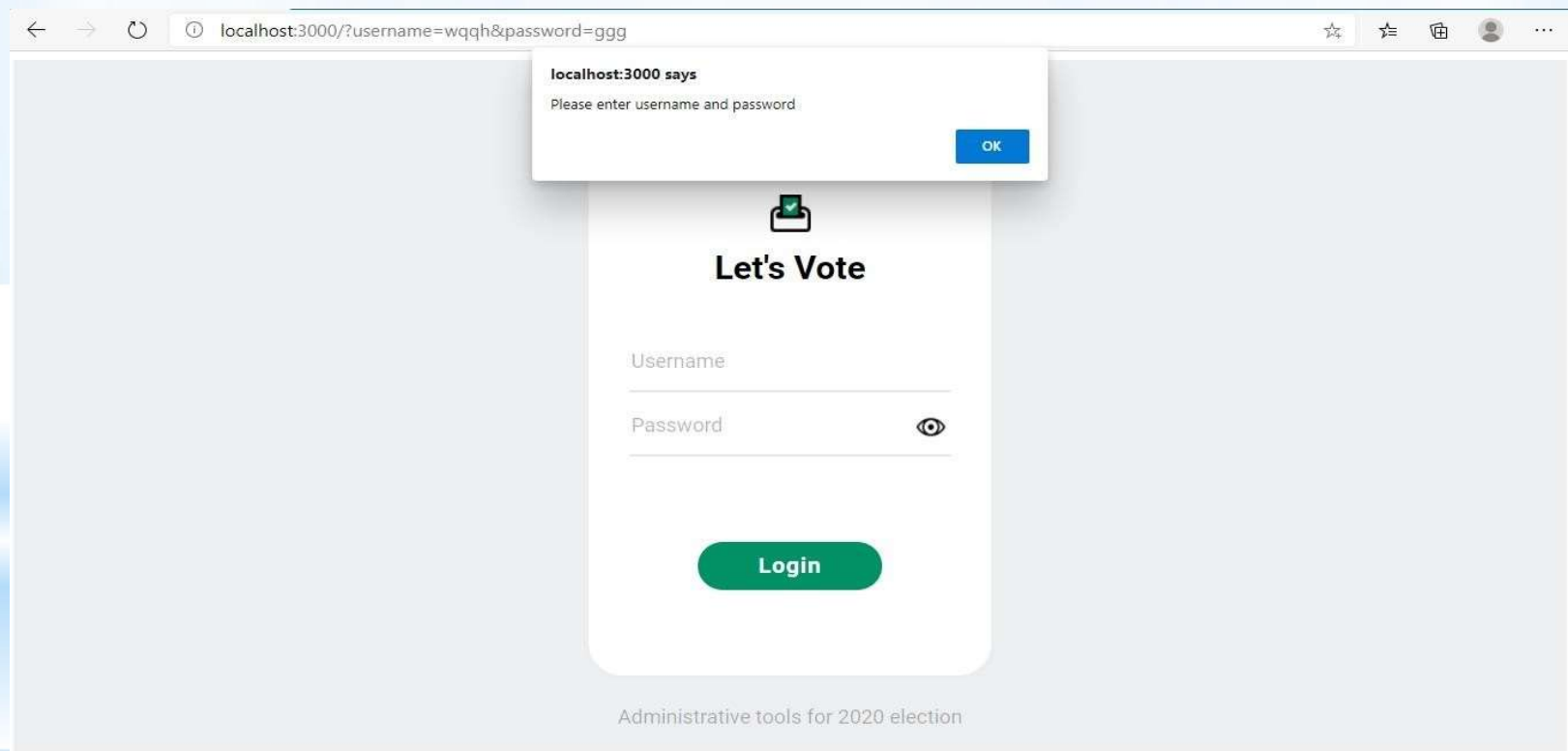
- Our project name is 'Let's Vote' which is an online project that shares accurate information and provides a comprehensive election-related information.
- In this project, citizens will know candidate in the election, parties running in the election and where to vote and will find out where the polling stations are.
- The main purpose of this project is not to confuse election misinformation. Voters need to use this web application to get correct electoral information for this project is involved accurate and right information.
- Voters need to know right and accurate information to get correct ballots in the election.
- Voter can know parties and candidates running in the election and citizens can easily check personal data in this project.
- For the citizens, this project is the beneficial project that provides accurate and up-to- date information at the same time during COVID-19 period.

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Login Procedure

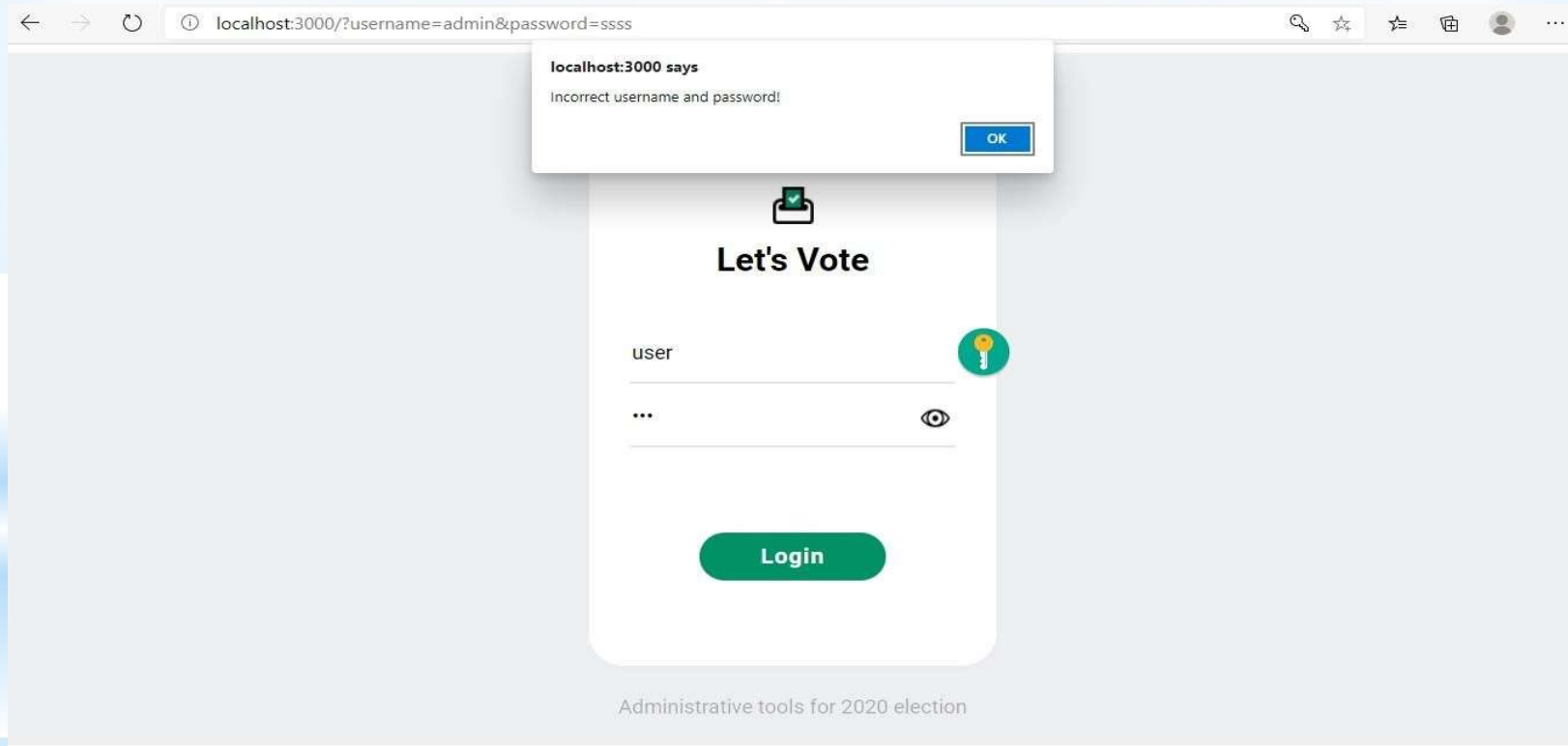
Firstly, you need to have the admin account mail and password to log in and take control.



The screenshot shows a web browser window with the address bar displaying `localhost:3000/?username=wqqh&password=ggg`. The main content area is a light gray background. In the center, there is a white card titled "Let's Vote" with a ballot icon. Below the title are input fields for "Username" and "Password", and a green "Login" button. At the bottom of the card, it says "Administrative tools for 2020 election". A modal dialog box is open over the card, titled "localhost:3000 says" with the message "Please enter username and password" and an "OK" button.

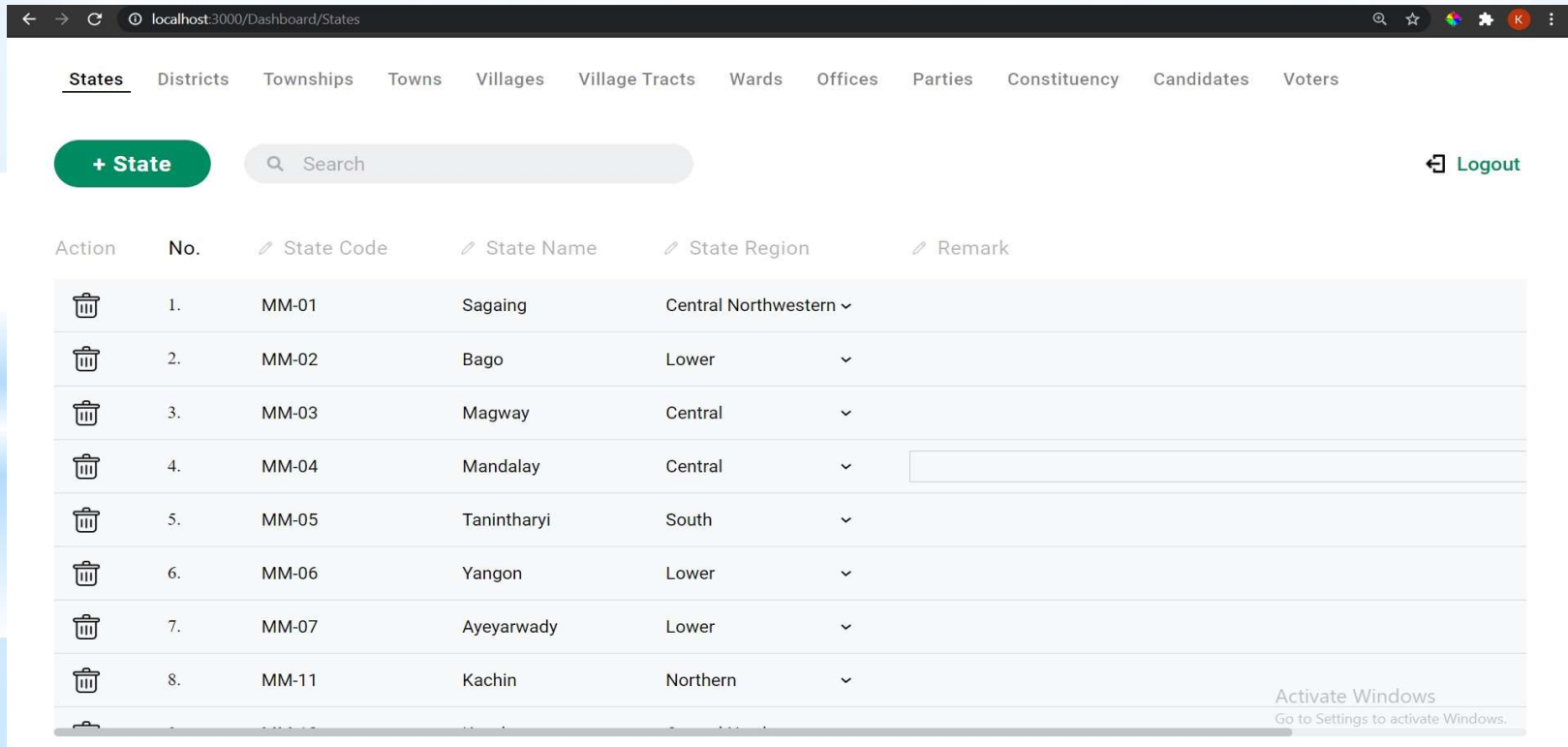
Login Procedure (Cont'd)

When you fill wrong information, the system will show “The Login detail is incorrect.” message.



Home Page

If the information you provide is correct, your login procedure is successful and you will be navigated to the home page (state page) and can use the system. After logging in, user can see the homepage which has 12 menus on menu bar as shown in figure. And then, the system will show you information of each option you select.



The screenshot displays the 'States' page of a web application. The browser address bar shows 'localhost:3000/Dashboard/States'. The navigation menu includes 'States', 'Districts', 'Townships', 'Towns', 'Villages', 'Village Tracts', 'Wards', 'Offices', 'Parties', 'Constituency', 'Candidates', and 'Voters'. The 'States' menu item is active. Below the navigation menu, there is a '+ State' button and a search bar. A 'Logout' button is located in the top right corner. The main content area features a table with columns: Action, No., State Code, State Name, State Region, and Remark. The table lists 8 states, each with a trash icon in the Action column. The states are: 1. MM-01 Sagaing Central Northwestern, 2. MM-02 Bago Lower, 3. MM-03 Magway Central, 4. MM-04 Mandalay Central, 5. MM-05 Tanintharyi South, 6. MM-06 Yangon Lower, 7. MM-07 Ayeyarwady Lower, and 8. MM-11 Kachin Northern. An 'Activate Windows' watermark is visible in the bottom right corner.

Action	No.	State Code	State Name	State Region	Remark
	1.	MM-01	Sagaing	Central Northwestern	
	2.	MM-02	Bago	Lower	
	3.	MM-03	Magway	Central	
	4.	MM-04	Mandalay	Central	
	5.	MM-05	Tanintharyi	South	
	6.	MM-06	Yangon	Lower	
	7.	MM-07	Ayeyarwady	Lower	
	8.	MM-11	Kachin	Northern	

Wards Preview

If you want to know information about the wards, you must click “Wards” option from the menu bar. And then, the system will show you information of the wards such as “Ward ID”, “Ward Name”, “State”, “District”, “Township”, “Town”, “Remark”.

← → ↺ localhost:3000/Dashboard/Wards

States

Districts

Townships

Towns

Villages

Village Tracts

Wards

Offices

Parties

Constituency

Candidates

Voters

+ Ward

🔍

Search

Logout


Action	No.	Ward ID	Ward Name	State	District	Township	Town	Remark
<div>🗑️</div>	1.	MMR007007701503	Warso	Sagaing	Hkamti	Kangyidaunk	NayPyiTaw	
<div>🗑️</div>	2.	MMR009021701503	Aung Chan Thar	Sagaing	Hkamti	Kangyidaunk	NayPyiTaw	
<div>🗑️</div>	3.	MMR010006701504	Zay Cho	Sagaing	Hkamti	Kangyidaunk	NayPyiTaw	
<div>🗑️</div>	4.	MMR018003701502	Aung Zay Ya	Sagaing	Hkamti	Kangyidaunk	NayPyiTaw	
<div>🗑️</div>	5.	MMR013017701501	No(1)	Sagaing	Hkamti	Kangyidaunk	NayPyiTaw	
<div>🗑️</div>	6.	MMR015021701507	MeinPan	Sagaing	Hkamti	Kangyidaunk	NayPyiTaw	
<div>🗑️</div>	7.	MMR006006701502	No(2)	Sagaing	Hkamti	Kangyidaunk	NayPyiTaw	
<div>🗑️</div>	8.	MMR005003701501	Myo Thit	Sagaing	Hkamti	Kangyidaunk	NayPyiTaw	

Activate Windows

Go to Settings to activate Windows.

Offices Preview

If you want to know information about the offices, you must click “Offices” option from the menu bar. And then, the system will show you information of the offices such as “Office ID”, “Office Name”, “Village”, “Village Tracts”, “Ward”, “Town”, “Township”, “District”, “State”, “Ph number”, “Email”, “Building Type”, “Own Rental”, “Address”.



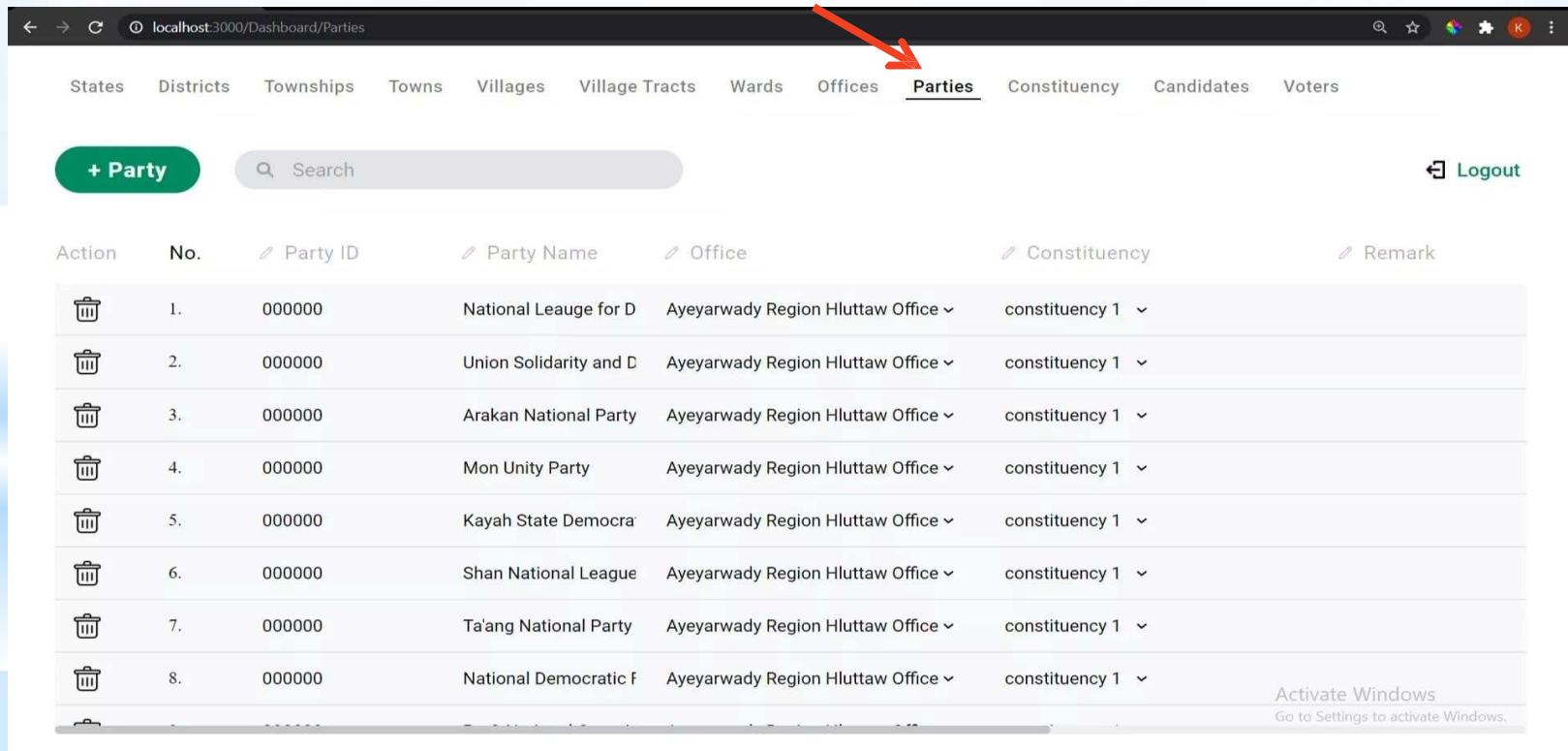
The screenshot shows a web application interface. At the top, there is a navigation bar with several menu items: States, Districts, Townships, Towns, Villages, Village Tracts, Wards, **Offices** (highlighted with a red arrow), Parties, Constituency, Candidates, and Voters. Below the navigation bar, there is a green button labeled '+ Office' and a search bar. On the right side, there is a 'Logout' button. The main content area displays a table of office information.

Action	No.	Office ID	Office Name	Village	Village Tract	Ward	Town	Tov
	1.	000000	Ayeyarwady Region H	Ah Da Lauk	▼ Ah Da Lauk	▼ Warso	▼	NayPyiTaw ▼ Kangy
	2.	000000	Bago Region Hluttaw	Kone Su	▼ Kone Su	▼ Aung Chan Thar	▼	Yangon ▼ Daik-L
	3.	000000	Chin State High Court	Ah Da Lauk	▼ Ah Htet Ta Khun Taing	Zay Cho	▼	Dawei ▼ Tiddir
	4.	000000	Kachin State High Coi	Kan Kone	▼ Kan Kone	▼ Aung Zay Ya	▼	Sagaing ▼ Chipw
	5.	000000	Kayah State High Cou	Aye Chan Su	▼ Aye Chan Su	▼ No(1)	▼	Taunggyi ▼ Demo
	6.	000000	Kayin State High Cour	Ah Da Lauk	▼ Ah Da Lauk	▼ Warso	▼	Pathein ▼ Myaw
	7.	000000	Magway Region High	Anlangh	▼ Anlangh	▼ No(2)	▼	Bago ▼ Pauk
	8.	000000	Mandalay Region Hlur	Lezang	▼ Lezang	▼ Myo Thit	▼	Hakha ▼ Amar

Activate Windows
Go to Settings to activate Windows.

Parties Preview

If you want to know information about the parties, you must click “Parties” option from the menu bar. And then, the system will show you information of the parties such as “Party ID”, “Party Name”, “Office”, “Constituency”, “Remark”.

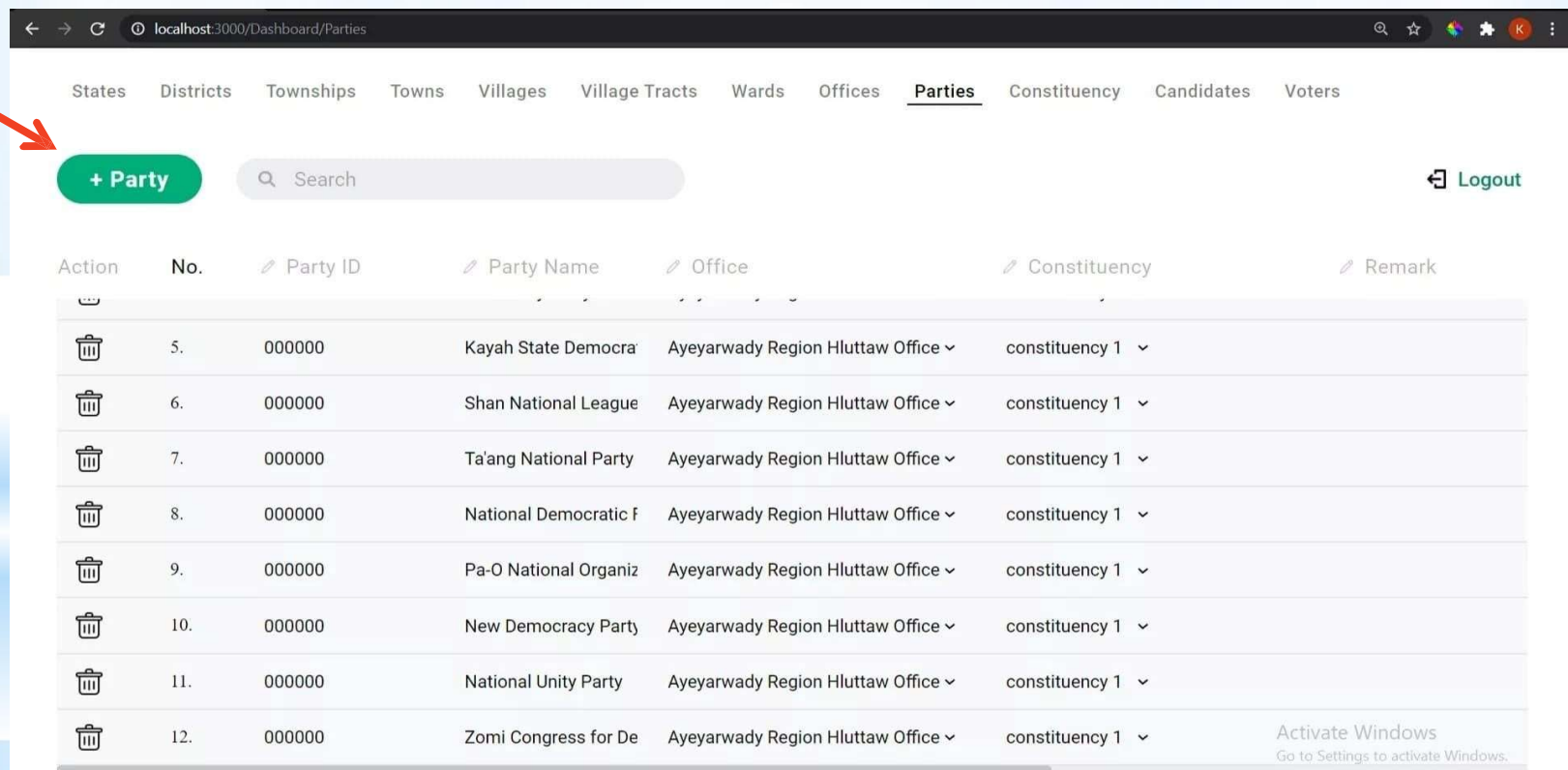


The screenshot shows a web application interface. At the top, there is a navigation bar with the following menu items: States, Districts, Townships, Towns, Villages, Village Tracts, Wards, Offices, **Parties** (highlighted with a red arrow), Constituency, Candidates, and Voters. Below the navigation bar, there is a green button labeled '+ Party' and a search bar with the text 'Search'. To the right of the search bar is a 'Logout' button. Below these elements is a table with the following columns: Action, No., Party ID, Party Name, Office, Constituency, and Remark. The table contains 8 rows of data, each representing a different political party. The first row is 'National Leauge for D' with Party ID '000000' and Office 'Ayeyarwady Region Hluttaw Office'. The second row is 'Union Solidarity and D' with Party ID '000000' and Office 'Ayeyarwady Region Hluttaw Office'. The third row is 'Arakan National Party' with Party ID '000000' and Office 'Ayeyarwady Region Hluttaw Office'. The fourth row is 'Mon Unity Party' with Party ID '000000' and Office 'Ayeyarwady Region Hluttaw Office'. The fifth row is 'Kayah State Democra' with Party ID '000000' and Office 'Ayeyarwady Region Hluttaw Office'. The sixth row is 'Shan National League' with Party ID '000000' and Office 'Ayeyarwady Region Hluttaw Office'. The seventh row is 'Ta'ang National Party' with Party ID '000000' and Office 'Ayeyarwady Region Hluttaw Office'. The eighth row is 'National Democratic F' with Party ID '000000' and Office 'Ayeyarwady Region Hluttaw Office'. At the bottom right of the table, there is a watermark that says 'Activate Windows Go to Settings to activate Windows.'

Action	No.	Party ID	Party Name	Office	Constituency	Remark
	1.	000000	National Leauge for D	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	2.	000000	Union Solidarity and D	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	3.	000000	Arakan National Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	4.	000000	Mon Unity Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	5.	000000	Kayah State Democra	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	6.	000000	Shan National League	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	7.	000000	Ta'ang National Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	8.	000000	National Democratic F	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	

Add New Party

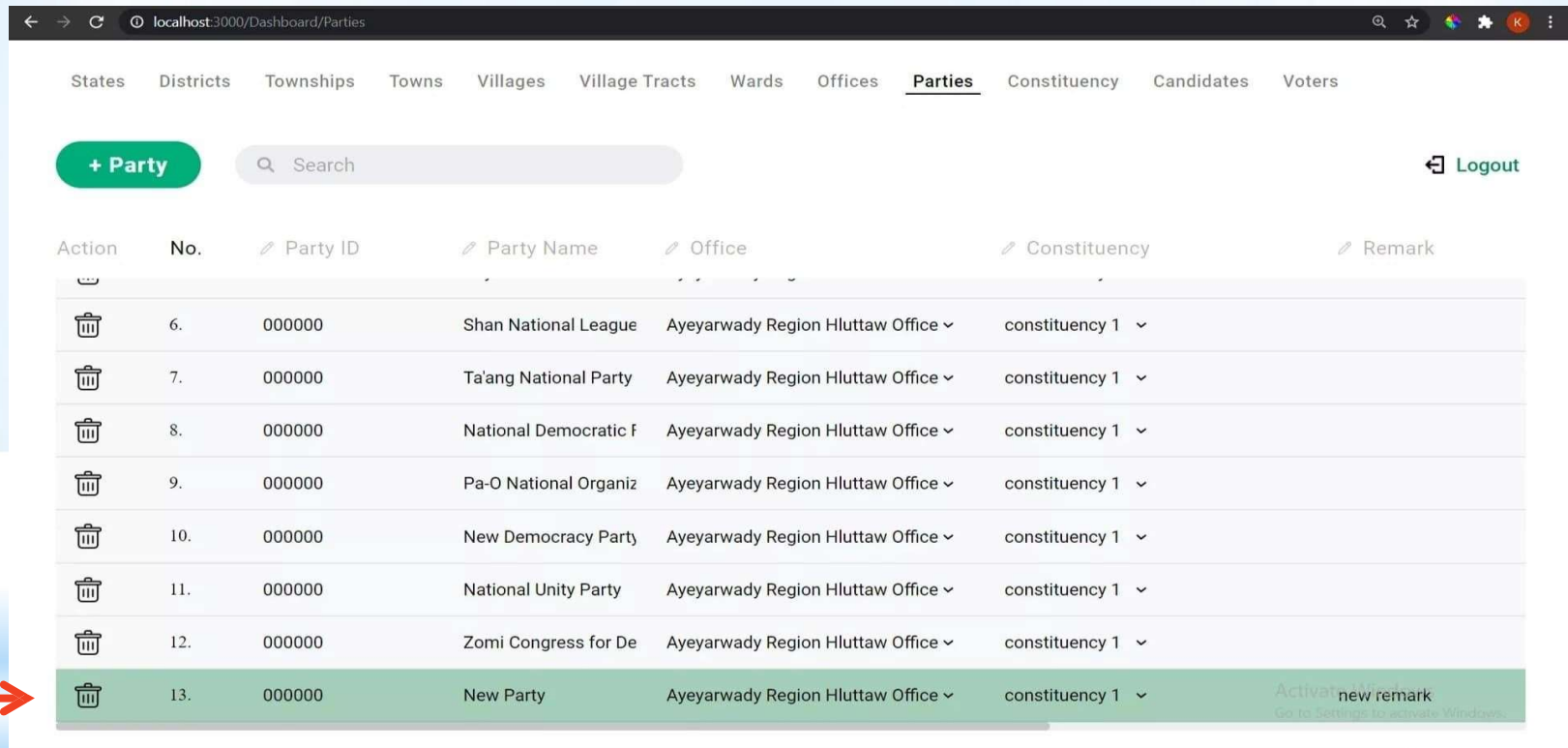
If you want to add a row to table, you need to click the add option button (displayed as “+” inside the box) besides the search option. Before adding information into party table as per below.



The screenshot shows a web application interface for managing parties. A red arrow points to a green button labeled "+ Party" located next to a search bar. The interface includes a navigation bar with tabs for States, Districts, Townships, Towns, Villages, Village Tracts, Wards, Offices, **Parties**, Constituency, Candidates, and Voters. Below the navigation bar, there is a table of existing parties with the following columns: Action, No., Party ID, Party Name, Office, Constituency, and Remark. The table contains 8 rows of data, each with a trash icon in the Action column. At the bottom right, there is a watermark for "Activate Windows" and a link to "Go to Settings to activate Windows."

Action	No.	Party ID	Party Name	Office	Constituency	Remark
	5.	000000	Kayah State Democra	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	6.	000000	Shan National League	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	7.	000000	Ta'ang National Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	8.	000000	National Democratic f	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	9.	000000	Pa-O National Organiz	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	10.	000000	New Democracy Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	11.	000000	National Unity Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	12.	000000	Zomi Congress for De	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	

After Adding New Party



The screenshot shows a web application interface for managing parties. The browser address bar indicates the URL is `localhost:3000/Dashboard/Parties`. The navigation menu includes: States, Districts, Townships, Towns, Villages, Village Tracts, Wards, Offices, **Parties**, Constituency, Candidates, and Voters. Below the navigation menu, there is a green button labeled '+ Party' and a search bar. A 'Logout' link is visible in the top right corner. The main content area displays a table of parties. The table has columns: Action, No., Party ID, Party Name, Office, Constituency, and Remark. The table lists seven existing parties and one newly added party, 'New Party', which is highlighted in green and pointed to by a red arrow. The 'New Party' entry has a 'new remark' in the Remark column.

Action	No.	Party ID	Party Name	Office	Constituency	Remark
	6.	000000	Shan National League	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	7.	000000	Ta'ang National Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	8.	000000	National Democratic F	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	9.	000000	Pa-O National Organiz	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	10.	000000	New Democracy Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	11.	000000	National Unity Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	12.	000000	Zomi Congress for De	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	13.	000000	New Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	new remark

Search Office Information

If you want to search particular information among other information, you need to click the search area (illustrated as lens image).

localhost:3000/Dashboard/Offices

States Districts Townships Towns Villages Village Tracts Wards **Offices** Parties Constituency Candidates Voters

+ Office

Search The Supreme

Logout

Action	No.	Office ID	Office Name	Village	Village Tract	Ward	Town	Town
	1.	000000	The Supreme Court of	Mon Kone	Mon Kone	No(1)	Hpa-an	Kang

Activate Windows
Go to Settings to activate Windows.

Update Wards

If you want to update particular row, you need to click the update option button (displayed as the drop down list) of the row you want to update under the “Actions” column.

localhost:3000/Dashboard/Wards

States Districts Townships Towns Villages Village Tracts **Wards** Offices Parties Constituency Candidates Voters

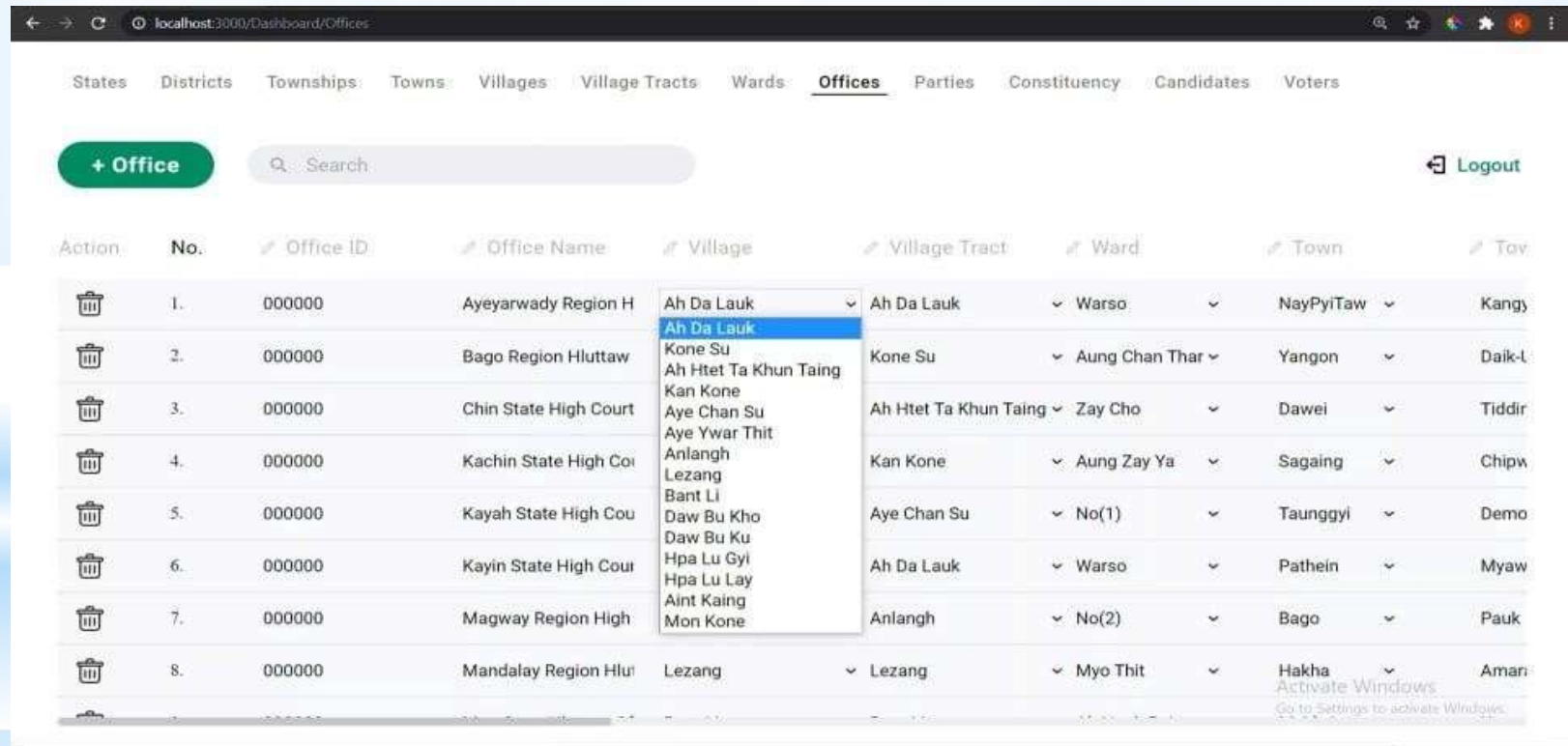
+ Ward Search Logout

Action	No.	Ward ID	Ward Name	State	District	Township	Town	Re
	1.	MMR007007701503	Warso	Sagaing	Hkamti	Kangyidaunk	NayPyiTaw	
	2.	MMR009021701503	Aung Chan Thar	Bago	Hkamti	Kangyidaunk	NayPyiTaw	
	3.	MMR010006701504	Zay Cho	Magway	Hkamti	Kangyidaunk	NayPyiTaw	
	4.	MMR018003701502	Aung Zay Ya	Mandalay	Hkamti	Kangyidaunk	NayPyiTaw	
	5.	MMR013017701501	No(1)	Tanintharyi	Hkamti	Kangyidaunk	NayPyiTaw	
	6.	MMR015021701507	MeinPan	Yangon	Hkamti	Kangyidaunk	NayPyiTaw	
	7.	MMR006006701502	No(2)	Ayeyarwady	Hkamti	Kangyidaunk	NayPyiTaw	
	8.	MMR005003701501	Myo Thit	Kachin	Hkamti	Kangyidaunk	NayPyiTaw	

Activate Windows
Go to Settings to activate Windows.

Update Office

If you want to update particular row, you need to click the update option button (displayed as the drop down list) of the row you want to update under the “Actions” column.



Action	No.	Office ID	Office Name	Village	Village Tract	Ward	Town	Town
	1.	000000	Ayeyarwady Region H	Ah Da Lauk	Ah Da Lauk	Warso	NayPyiTaw	Kangy
	2.	000000	Bago Region Hluttaw	Kone Su	Kone Su	Aung Chan Thar	Yangon	Daik-L
	3.	000000	Chin State High Court	Ah Htet Ta Khun Taing	Ah Htet Ta Khun Taing	Zay Cho	Dawei	Tiddir
	4.	000000	Kachin State High Court	Kan Kone	Kan Kone	Aung Zay Ya	Sagaing	Chipw
	5.	000000	Kayah State High Court	Aye Chan Su	Aye Chan Su	No(1)	Taunggyi	Demo
	6.	000000	Kayin State High Court	Aye Ywar Thit	Ah Da Lauk	Warso	Patheingyi	Myaw
	7.	000000	Magway Region High Court	Anlangh	Anlangh	No(2)	Bago	Pauk
	8.	000000	Mandalay Region High Court	Lezang	Lezang	Myo Thit	Hakha	Aman

Update Party

If you want to update particular row, you need to click the update option button (displayed as the drop down list) of the row you want to update under the “Actions” column.

The screenshot shows a web application interface for managing parties. The interface includes a navigation bar with tabs: States, Districts, Townships, Towns, Villages, Village Tracts, Wards, Offices, **Parties**, Constituency, Candidates, and Voters. Below the navigation bar, there is a green button labeled "+ Party" and a search bar. A table displays a list of parties with columns: Action, No., Party ID, Party Name, Office, Constituency, and Remark. A dropdown menu is open for the first row, showing a list of offices including "Ayeyarwady Region Hluttaw Office", "Bago Region Hluttaw Office", "Chin State High Court", "Kachin State High Court", "Kayah State High Court", "Kayin State High Court", "Magway Region High Court", "Mandalay Region Hluttaw Office", "Mon State Hluttaw Office", "Rakhine State Hluttaw Office", "Shan State Hluttaw Office", "Sagaing Region High Court", "Tanintharyi Region High Court", "Yangon Region Hluttaw Office", and "The Supreme Court of Union". The "Ayeyarwady Region Hluttaw Office" is highlighted. The table also shows a "Logout" button in the top right corner.

Action	No.	Party ID	Party Name	Office	Constituency	Remark
	1.	000000	National Leauge for D	Ayeyarwady Region Hluttaw Office	constituency 2	
	2.	000000	Union Solidarity and D	Bago Region Hluttaw Office	constituency 1	
	3.	000000	Arakan National Party	Chin State High Court	constituency 1	
	4.	000000	Mon Unity Party	Kachin State High Court	constituency 1	
	5.	000000	Kayah State Democra	Kayah State High Court	constituency 1	
	6.	000000	Shan National League	Kayin State High Court	constituency 1	
	7.	000000	Ta'ang National Party	Magway Region High Court	constituency 1	
	8.	000000	National Democratic F	Mandalay Region Hluttaw Office	constituency 1	

Delete Party

If you want to delete particular row, you need to click the delete option button (displayed as the trash can icon) of the row you want to delete. Before delete information from party table as per below.

Action	No.	Party ID	Party Name	Office	Constituency	Remark
	7.	000000	Ta'ang National Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	8.	000000	National Democratic F	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	9.	000000	Pa-O National Organiz	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	10.	000000	New Democracy Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	11.	000000	National Unity Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	12.	000000	Zomi Congress for De	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	13.	000000	New Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	new remark
	14.	000000	New Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	new remark

After Deleting

localhost:3000/Dashboard/Parties

States Districts Townships Towns Villages Village Tracts Wards Offices Parties Constituency Candidates Voters

+ Party Search Logout

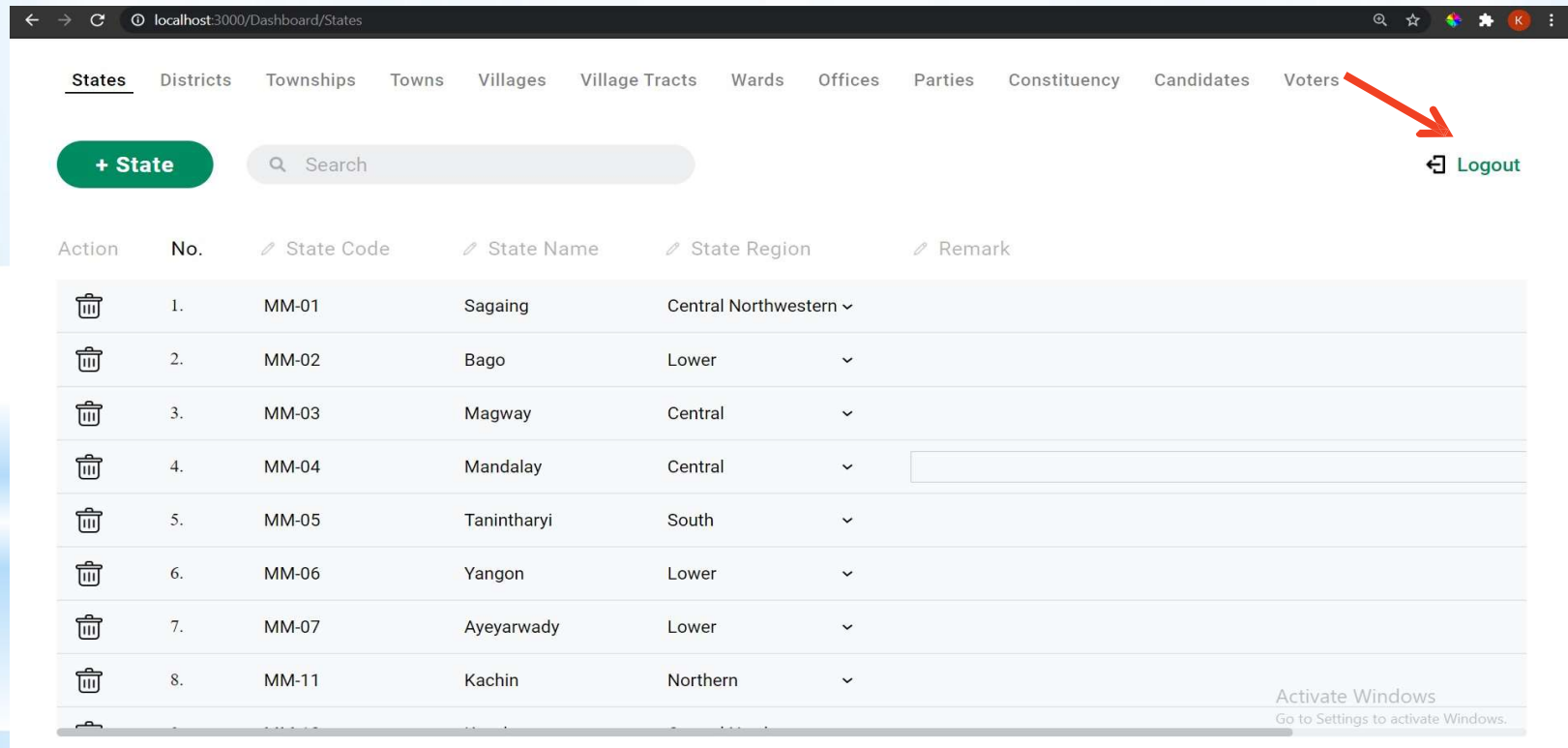
Action	No.	Party ID	Party Name	Office	Constituency	Remark
	6.	000000	Shan National League	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	7.	000000	Ta'ang National Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	8.	000000	National Democratic F	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	9.	000000	Pa-O National Organiz	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	10.	000000	New Democracy Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	11.	000000	National Unity Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	12.	000000	Zomi Congress for De	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	
	13.	000000	New Party	Ayeyarwady Region Hluttaw Office ▾	constituency 1 ▾	new remark

Activate Windows
Go to Settings to activate Windows.



Log Out By Admin

If you want to sign out from the system, you can also do it by clicking the “Log Out” button which is in the information panel of the current account at the top right corner.

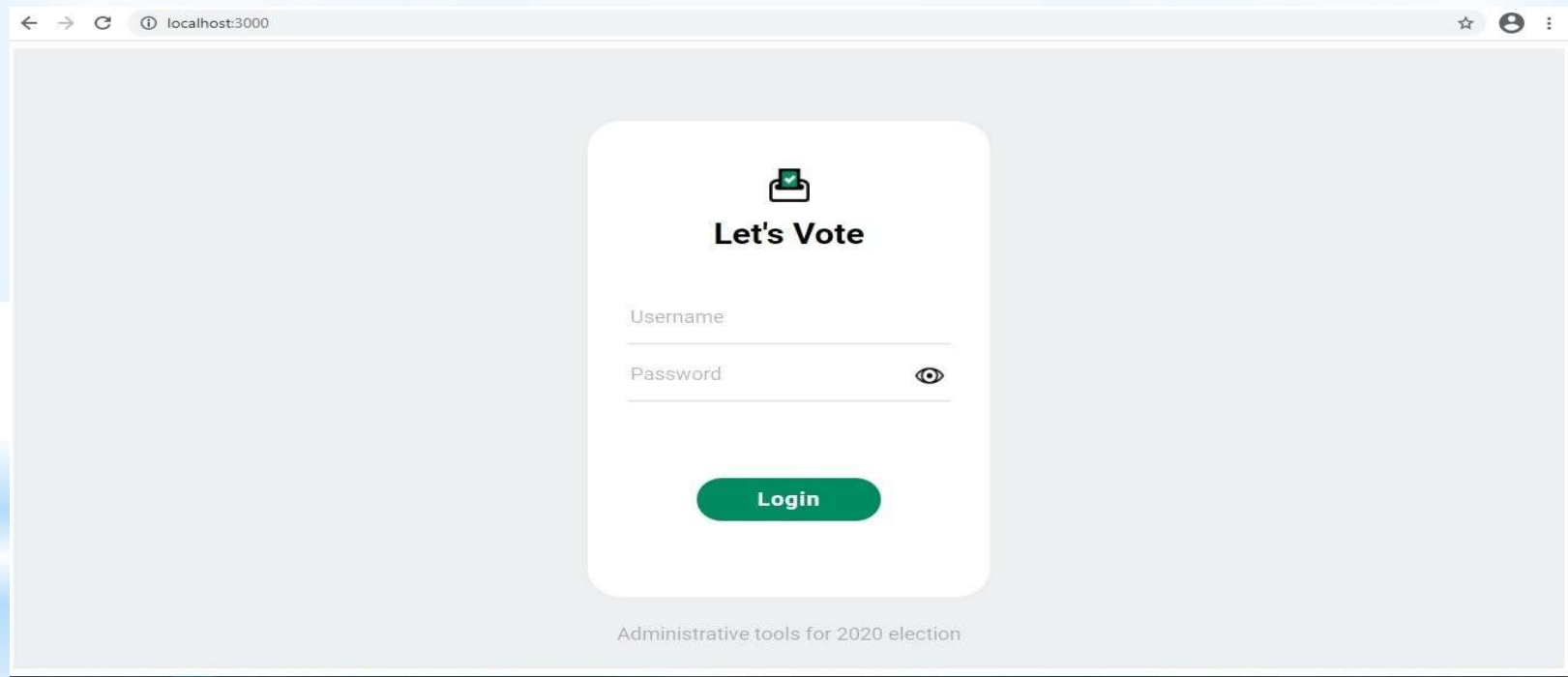


The screenshot shows a web application interface for managing states. The top navigation bar includes links for States, Districts, Townships, Towns, Villages, Village Tracts, Wards, Offices, Parties, Constituency, Candidates, and Voters. A red arrow points to the 'Logout' button in the top right corner. Below the navigation bar, there is a '+ State' button and a search bar. The main content area displays a table of states with columns for Action, No., State Code, State Name, State Region, and Remark. The table lists 8 states, each with a trash icon in the Action column. The bottom right corner of the page has a watermark that says 'Activate Windows Go to Settings to activate Windows.'

Action	No.	State Code	State Name	State Region	Remark
	1.	MM-01	Sagaing	Central Northwestern	
	2.	MM-02	Bago	Lower	
	3.	MM-03	Magway	Central	
	4.	MM-04	Mandalay	Central	
	5.	MM-05	Tanintharyi	South	
	6.	MM-06	Yangon	Lower	
	7.	MM-07	Ayeyarwady	Lower	
	8.	MM-11	Kachin	Northern	


After Logging Out


After log-out procedure is completed, you will see the “Login” page again.



The screenshot shows a web browser window with the address bar displaying 'localhost:3000'. The page content is a login form with a light gray background. At the top of the form is a ballot icon with a green checkmark, followed by the text 'Let's Vote'. Below this are two input fields: 'Username' and 'Password'. The 'Password' field has a toggle icon (an eye) to its right. A green 'Login' button is positioned below the input fields. At the bottom of the page, the text 'Administrative tools for 2020 election' is visible.

← → ↻ ⓘ localhost:3000 ☆ 👤 ⋮


Let's Vote



Login

Administrative tools for 2020 election

CONCLUSION

- Electoral information can be found in one place in real time and this system is quite compatible with the new normal lifestyle.
- This system provides real-time and accurate information. Thus, this can prevent misinformation and unwanted issues.
- This is an electoral system that can be used almost nationwide, thus even people who are unfamiliar with the internet may know that they can access real-time information online.
- Elections are a nationwide event so it's a good system to protect against people.
- This system is easy to use and easy for anyone to understand, so it is convenient for everyone as well.

Thank You!