



## User Guide

*Last Modified: 17th February 2023*

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# **Introduction**

This document seeks to cover every installation and configuration necessary to support the proposed software system. It guides the interested stakeholders to install our software system and use the service appropriately to avoid any pitfalls or errors.

## **System Requirements**

The user needs to have browsers such as Firefox, Chrome, Safari and Edge installed and network connection to access our web application.

## **End Users Requirements**

Vote Event Creators need to have a valid email address to use our web application and email addresses of participants to take part in the voting. Voters need not use their email to directly access the system but will instead have an invitation link sent to their email to take part in the voting event.

## **User Guides**

### **Overview**

Harpocryption is an e-voting system which employs state of the art encryption schemes to achieve the security on the voting activities over the internet. In the Harpocryption system, there will be mainly two actors interacting with the system, Event Owner and Voter. Event owner initiates a vote event and the voters participate in the vote event by casting the vote options on the system.

This user guide covers all the Harpocryption system features for Event Owner and Voter with detailed procedures. Vote event status and system error messages will also be covered in this document.

### **Event Owner**

#### **Creates Account**

1. Access the Harpocryption E-Voting System main page through the address [www.harpocryption.com](http://www.harpocryption.com)

### Sign up

---

Get OTP

--- Gender ---

Length between 8 - 32

No Spacing

At Least One Uppercase Letter

At Least One Lowercase Letter

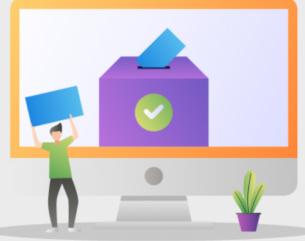
At Least One Digit

At Least One Special Character

I'm not a robot

reCAPTCHA  
Privacy • Terms

Have an account? [Login](#)

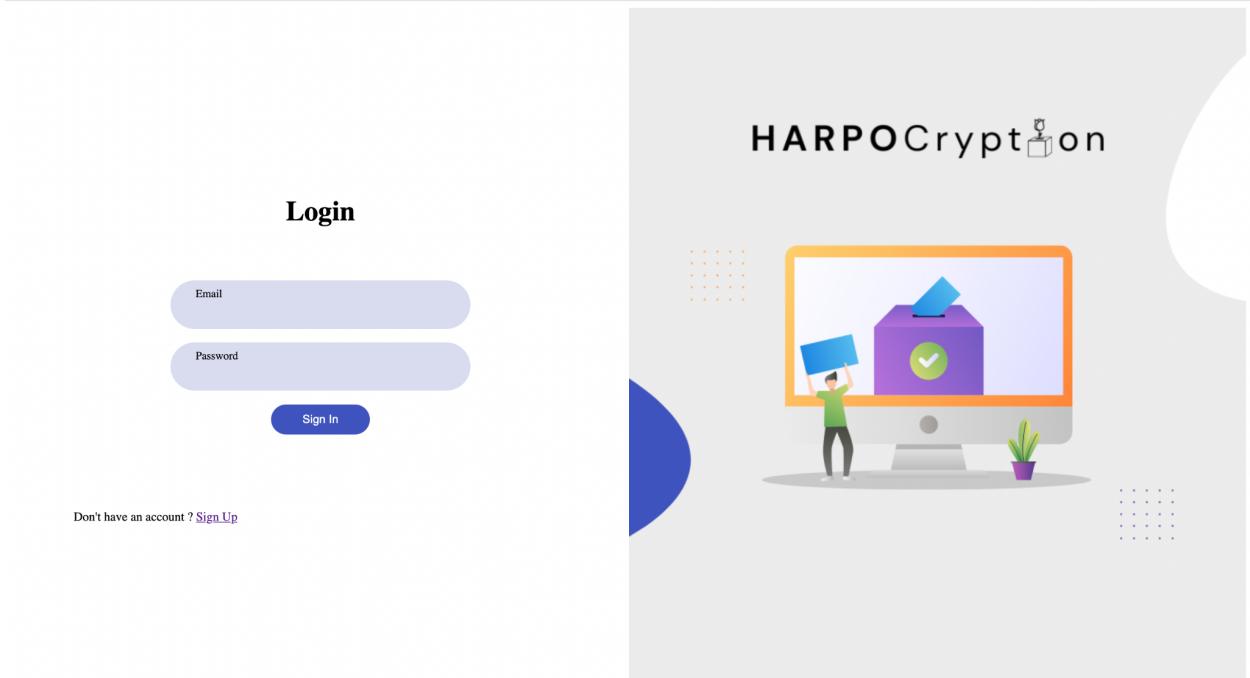

  


2. Choose the “Get Started” option from the menu bar and will be redirected to the Event Owner Create Account Page.
3. Fill in the personal particulars on the web form.
4. Request an OTP from the system by clicking the “Get OTP” button.
5. Fill in the OTP values obtained from the email.
6. Click the “Sign Up” button to complete the account creation.

## Login

1. Access the Harpcryption E-Voting System main page through the address [www.harpocryption.com](http://www.harpocryption.com)

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2. Choose the “Login” option from the menu bar and will be redirected to the Event Owner Login page.
3. Fill in the login credentials on the web form.
4. Click the “Sign in” button and get redirected into the Homepage if login is successful.

Seq No	Name	Event Date	Event Time	Status	Actions
1	Vote Event Title 1	2024-07-28 to 2024-08-14	11:00:00 to 03:00:00	Pending Confirmation	<button>View</button> <button>Delete</button> <button>Modify</button> <button>Confirm</button>
2	Vote Event Title 2	2024-08-11 to 2024-08-31	10:00:00 to 10:00:00	Pending Confirmation	<button>View</button> <button>Delete</button> <button>Modify</button>

## Logout

1. Click the “Logout” button located at the left bottom corner of the page.

Welcome, Smith James

## Overview

### Summary

Total Vote Events : 10  
Ongoing Vote Events : 6  
Completed Vote Events : 4

### Miscellaneous

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### Your Vote Events

Create New Vote Event
Search:

Seq No	Name	Event Date	Event Time	Status	Actions
1	Vote Event Title 1	2024-07-28 to 2024-08-14	11:00:00 to 03:00:00	Pending Confirmation	<a href="#">View</a> <a href="#">Delete</a> <a href="#">Modify</a> <a href="#">Confirm</a>
2	Vote Event Title 2	2024-08-11 to 2024-08-31	10:00:00 to 10:00:00	Pending Confirmation	<a href="#">View</a> <a href="#">Delete</a> <a href="#">Modify</a>

Showing 1 to 10 of 10 entries

- Get redirected to the Event Owner Login page.

### Create Vote Event

- Click the “Create New Vote Event” button from the vote event list pane in the Homepage.

Welcome, Smith James

## Overview

### Summary

Total Vote Events : 10  
Ongoing Vote Events : 6  
Completed Vote Events : 4

### Miscellaneous

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### Your Vote Events

Create New Vote Event
Search:

Seq No	Name	Event Date	Event Time	Status	Actions
1	Vote Event Title 1	2024-07-28 to 2024-08-14	11:00:00 to 03:00:00	Pending Confirmation	<a href="#">View</a> <a href="#">Delete</a> <a href="#">Modify</a> <a href="#">Confirm</a>
2	Vote Event Title 2	2024-08-11 to 2024-08-31	10:00:00 to 10:00:00	Pending Confirmation	<a href="#">View</a> <a href="#">Delete</a> <a href="#">Modify</a>

Showing 1 to 10 of 10 entries

- Get redirected to the Create New Vote Event page.

Welcome, Smith James

## Create New Vote Event

### Vote Information

**Vote Event Name\***

**Vote Start Date\***:  dd/mm/yyyy

**Vote End Date\***:  dd/mm/yyyy

**Vote Start Time\***:  -- : --

**Vote End Time\***:  -- : --

**Vote Question\***

**Vote Options\***

**Participants\***:  Choose file No file chosen  
[Download CSV Template](#)

jamesmith@mail.com

3. Fill in the information for your vote event and upload the participants csv file.
4. You may get an example of the format of the participant csv file format by clicking the link to download the template file.
5. Click the “Confirm” button located at the right bottom of the web form to complete the vote event creation.
6. A pop up acknowledgement message box will be displayed in the Homepage if the creation is successful, otherwise, error messages will be displayed in the vote event creation web form.

Your Vote Events						<input type="button" value="Create New Vote Event"/>	Search: <input type="text"/>		
Seq No	Name	Event Date	Event Time	Status	Actions				
1	Vote	<b>harpocryption.com</b> Vote Event Created Successfully ! <div style="text-align: center; margin-top: 10px;"> <input type="button" value="OK"/> </div>				<input type="button" value="View"/>	<input type="button" value="Delete"/>	<input type="button" value="Modify"/>	<input type="button" value="Confirm"/>
2	Vote Event Title 2	2024-08-11 to 2024-08-31	10:00:00 to 10:00:00	Pending Confirmation	<input type="button" value="View"/>	<input type="button" value="Delete"/>	<input type="button" value="Modify"/>		

Showing 1 to 10 of 10 entries

## View Vote Event

1. In the Homepage, select a vote event you wish to view its information in the event list pane.
2. Click the “View” button in the last column on its respective table row.

The screenshot shows the HARPO Crypton homepage. On the left, there's a sidebar with 'Overview', 'Ongoing Vote Events', and 'Completed Vote Events'. The main area is titled 'Overview' and contains a 'Summary' section with statistics: Total Vote Events : 10, Ongoing Vote Events : 6, Completed Vote Events : 4. Below this is a table titled 'Your Vote Events' with two rows. The first row has Seq No 1, Name 'Vote Event Title 1', Event Date 2024-07-28 to 2024-08-14, Event Time 11:00:00 to 03:00:00, Status 'Pending Confirmation', and Actions with buttons for View (circled in red), Delete, Modify, and Confirm. The second row has Seq No 2, Name 'Vote Event Title 2', Event Date 2024-08-11 to 2024-08-31, Event Time 10:00:00 to 10:00:00, Status 'Pending Confirmation', and Actions with buttons for View, Delete, and Modify. At the bottom, it says 'Showing 1 to 10 of 10 entries'.

3. A vote event information page will be displayed.

The screenshot shows the 'View Vote Events' page for 'Vote Event Title 1'. The top navigation bar includes 'Overview', 'Ongoing Vote Events', and 'Completed Vote Events'. The main content area is titled 'View Vote Events' and 'Vote Information'. It displays the following details:

- Vote Event Name:** Vote Event Title 1
- Vote Event Start Date:** 28 July 2024
- Vote Event End Date:** 14 August 2024
- Vote Event Start Time:** 11 a.m.
- Vote Event End Time:** 3 a.m.
- Vote Question:** Vote Event Question 1
- Vote Event Status:** Pending Confirmation
- Participants:** 6

Name	Email
John Smith	john-smith@mail.com
David Brown	david-brown@mail.com
Susan Jones	susan-jones@mail.com
Michael Scott	michael-scoot@mail.com
Ivan Leu	ivan-leu@mail.com
Isabel Martin	isabel-martin@mail.com

At the bottom, there are 'Back' and 'View Final Result' buttons.

## View Ongoing Vote Events Page

1. Navigate to the left menu bar pane, click the “Ongoing Vote Events” menu item.

The screenshot shows the HARPO Crypton application's overview page. On the left, a sidebar menu includes 'Overview' (selected), 'Ongoing Vote Events' (circled in red), and 'Completed Vote Events'. The main content area is titled 'Overview' and contains a 'Summary' section with statistics: Total Vote Events : 10, Ongoing Vote Events : 6, Completed Vote Events : 4. To the right is a 'Miscellaneous' section with links to 'User Guide', 'Support', 'FAQ', and 'About', along with the copyright notice © harpocrypton.com 2022. Below these sections is a table titled 'Your Vote Events' with columns for Seq No, Name, Event Date, Event Time, Status, and Actions. Two rows are listed: 'Vote Event Title 1' (Seq No 1) and 'Vote Event Title 2' (Seq No 2). Both entries show a status of 'Pending Confirmation'. The table includes a 'Create New Vote Event' button at the top and a search bar. At the bottom, it says 'Showing 1 to 10 of 10 entries'.

2. A page with only vote events in status of “Pending Confirmation”, “Published” and “Voting Concluded” will be displayed.

The screenshot shows the 'Ongoing Vote Events' page. The sidebar menu is identical to the previous screen. The main content area is titled 'Ongoing Vote Events' and contains a 'Summary' section with statistics: Total Ongoing Events : 6, Pending Confirmation Events : 3, Published Vote Events : 3, Vote Concluded Vote Events : 0. Below this is a table titled 'Ongoing Vote Events' with columns for Seq No, Name, Event Date, Event Time, Status, and Actions. Two rows are listed: 'Vote Event Title 1' (Seq No 1) and 'Vote Event Title 2' (Seq No 2). Both entries show a status of 'Pending Confirmation'. The table includes a search bar. At the bottom, it says 'Showing 1 to 6 of 6 entries'.

3. Select any vote event in the list to perform any operations by clicking the buttons in the last column of the table.

## View Completed Vote Events Page

1. Navigate to the left menu bar pane, click the “Completed Vote Events” menu item.

**Overview**

Welcome, Smith James

**Summary**

Total Vote Events : 10  
Ongoing Vote Events : 6  
Completed Vote Events : 4

**Miscellaneous**

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**Your Vote Events**

Create New Vote Event Search:

Seq No	Name	Event Date	Event Time	Status	Actions
1	Vote Event Title 1	2024-07-28 to 2024-08-14	11:00:00 to 03:00:00	Pending Confirmation	<a href="#">View</a> <a href="#">Delete</a> <a href="#">Modify</a> <a href="#">Confirm</a>
2	Vote Event Title 2	2024-08-11 to 2024-08-31	10:00:00 to 10:00:00	Pending Confirmation	<a href="#">View</a> <a href="#">Delete</a> <a href="#">Modify</a>

Showing 1 to 10 of 10 entries

2. A page with only vote events in status of “Final Result Ready” and “Result Published” will be displayed.

**Completed Vote Events**

Welcome, Smith James

**Summary**

Total Completed/Published Events : 4  
Completed Vote Events : 2  
Published Vote Events : 2  
Failed Vote Events : 0

**Completed Vote Events**

Search:

Seq No	Name	Event Date	Event Time	Status	Actions
1	Vote Event Title 7	2024-05-08 to 2024-05-26	06:00:00 to 04:00:00	Final Result Ready	<a href="#">View</a>
2	Vote Event Title 8	2024-11-21 to 2024-11-29	23:00:00 to 05:00:00	Final Result Ready	<a href="#">View</a>
3	Vote Event Title 9	2024-01-14 to 2024-01-23	14:00:00 to 09:00:00	Result Publish	<a href="#">View</a>
4	Vote Event Title 10	2024-08-04 to	13:00:00 to	Result Publish	<a href="#">View</a>

Showing 1 to 4 of 4 entries

3. Select any vote event in the list to perform any operations by clicking the buttons in the last column of the table.

## Update Vote Event

1. In the Homepage, select a vote event you wish to view its information in the event list pane.

2. Click the “Modify” button in the last column on its respective table row.

**Overview**

**Summary**

Total Vote Events : 10  
Ongoing Vote Events : 6  
Completed Vote Events : 4

**Miscellaneous**

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FAQ      About  
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**Your Vote Events**

Create New Vote Event      Search:

Seq No	Name	Event Date	Event Time	Status	Actions
1	Vote Event Title 1	2024-07-28 to 2024-08-14	11:00:00 to 03:00:00	Pending Confirmation	<a href="#">View</a> <a href="#">Delete</a> <a href="#">Modify</a> (circled) <a href="#">Confirm</a>
2	Vote Event Title 2	2024-08-11 to 2024-08-31	10:00:00 to 10:00:00	Pending Confirmation	<a href="#">View</a> <a href="#">Delete</a> <a href="#">Modify</a>

Showing 1 to 10 of 10 entries

3. An update vote event with a web form filled with the vote event existing information will be displayed.

**Update Vote Event**

Welcome, Smith James

**Vote Information**

**Vote Event Name\***

**Vote Start Date\*:**

**Vote End Date\*:**

**Vote Start Time\*:**

**Vote End Time\*:**

**Vote Question\***

**Vote Options\***

Add More Options

Participants :  No file chosen  
[Download CSV Template](#)

4. Update the vote event accordingly, confirm the changes by clicking the “Confirm” button located at the right button of the web form.
5. A pop up acknowledgement message box will be displayed in the Homepage if the creation is successful, otherwise, error messages will be displayed in the update vote event web form.

## Your Vote Events

Create New Vote Event

Search:

Seq No	Name	Event Date	Event Time	Status	Actions
1	Vote				<a href="#">View</a> <a href="#">Delete</a> <a href="#">Modify</a> <a href="#">Confirm</a>
2	Vote Event Title 2	2024-08-11 to 2024-08-31	10:00:00 to 10:00:00	Pending Confirmation	<a href="#">View</a> <a href="#">Delete</a> <a href="#">Modify</a>

Showing 1 to 10 of 10 entries

## Delete Vote Event

1. In the Homepage, select a vote event you wish to view its information in the event list pane.
2. Click the “Delete” button in the last column on its respective table row.



Welcome, Smith James

[Overview](#)

[Ongoing Vote Events](#)

[Completed Vote Events](#)

jamesmith@mail.com

[Log out](#)

### Overview

#### Summary

Total Vote Events : 10  
Ongoing Vote Events : 6  
Completed Vote Events : 4

#### Miscellaneous

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### Your Vote Events

Create New Vote Event

Search:

Seq No	Name	Event Date	Event Time	Status	Actions
1	Vote Event Title 1	2024-07-28 to 2024-08-14	11:00:00 to 03:00:00	Pending Confirmation	<a href="#">View</a> <a href="#">Delete</a> (highlighted with red circle) <a href="#">Modify</a> <a href="#">Confirm</a>
2	Vote Event Title 2	2024-08-11 to 2024-08-31	10:00:00 to 10:00:00	Pending Confirmation	<a href="#">View</a> <a href="#">Delete</a> <a href="#">Modify</a>

Showing 1 to 10 of 10 entries

3. A pop up confirmation box will be displayed. Click “OK” to confirm the deletion, otherwise, click “Cancel”.

Your Vote Events

Create New Vote Event

Search:

Seq No	Name	Event Date	Event Time	Status	Actions
					<button>Modify</button> <button>Confirm</button>
3	Vote Event Title 3	2024-07-20 to 2024-08-04	19:00:00 to 18:00:00	Pending Confirmation	<button>View</button> <button>Delete</button> <button>Modify</button> <button>Confirm</button>
					<button>View</button>

Showing 1 to 10 of 10 entries

- After the vote event is deleted successfully, the homepage will be refreshed with reflected changes.

### Confirm Vote Event

- In the Homepage, select a vote event you wish to view its information in the event list pane.
- Click the “Confirm” button in the last column on its respective table row.

Welcome, Smith James

**Overview**

**Summary**

Total Vote Events : 10  
Ongoing Vote Events : 6  
Completed Vote Events : 4

**Miscellaneous**

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**Your Vote Events**

Create New Vote Event

Search:

Seq No	Name	Event Date	Event Time	Status	Actions
1	Vote Event Title 1	2024-07-28 to 2024-08-14	11:00:00 to 03:00:00	Pending Confirmation	<button>View</button> <button>Delete</button> <button>Modify</button> <b>Confirm</b>
2	Vote Event Title 2	2024-08-11 to 2024-08-31	10:00:00 to 10:00:00	Pending Confirmation	<button>View</button> <button>Delete</button> <button>Modify</button>

Showing 1 to 10 of 10 entries

- A pop up confirmation box will be displayed. Click “OK” to confirm the publish, otherwise, click “Cancel”.

**Your Vote Events**

Create New Vote Event

Search:

Seq No	Name	Event Date	Event Time	Status	Actions
2	Vote Event Title 2	<b>harpocryption.com</b> Are you confirmed to publish this vote event ? <input type="button" value="Cancel"/> <input type="button" value="OK"/>			<input type="button" value="Modify"/> <input type="button" value="Confirm"/>
3	Vote Event Title 3	2024-07-20 to 2024-08-04	19:00:00 to 18:00:00	Pending Confirmation	<input type="button" value="View"/> <input type="button" value="Delete"/> <input type="button" value="Modify"/> <input type="button" value="Confirm"/>
					<input type="button" value="View"/>

Showing 1 to 10 of 10 entries

- After the vote event is confirmed and published successfully, the homepage will be refreshed with reflected changes.

### View Vote Event's Final Result

- In the Homepage, select a vote event in status of "Final Result Ready" or "Result Published" if you wish to view its information in the event list pane.
  - Or, you may navigate to the "Completed Vote Events" page to select your vote event.
- Click the "View" button in the last column on its respective table row.

**HARPO Crypton**

Welcome, Smith James

**Overview**

**Summary**

Total Vote Events : 10  
Ongoing Vote Events : 6  
Completed Vote Events : 4

**Miscellaneous**

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**Your Vote Events**

Create New Vote Event

Search:

Seq No	Name	Event Date	Event Time	Status	Actions
7	Vote Event Title 7	2024-05-26	04:00:00	Result Publish	<input type="button" value="Modify"/> <input type="button" value="Confirm"/>
8	Vote Event Title 8	2024-11-21 to 2024-11-29	23:00:00 to 05:00:00	Final Result Ready	<input style="outline: 2px solid red;" type="button" value="View"/> <input type="button" value="Delete"/> <input type="button" value="Modify"/> <input type="button" value="Confirm"/>
					<input type="button" value="View"/>

Showing 1 to 10 of 10 entries

or

**Completed Vote Events**

Welcome, Smith James

**Summary**

Total Completed/Published Events : 4  
 Completed Vote Events : 2  
 Published Vote Events : 2  
 Failed Vote Events : 0

**Completed Vote Events**

Search:

Seq No	Name	Event Date	Event Time	Status	Actions
1	Vote Event Title 7	2024-05-08 to 2024-05-26	06:00:00 to 04:00:00	Final Result Ready	<button>View</button>
2	Vote Event Title 8	2024-11-21 to 2024-11-29	23:00:00 to 05:00:00	Final Result Ready	<button>View</button>
3	Vote Event Title 9	2024-01-14 to 2024-01-23	14:00:00 to 09:00:00	Result Publish	<button>View</button>
4	Vote Event Title 10	2024-08-04 to	13:00:00 to	Result Publish	<button>View</button>

Showing 1 to 4 of 4 entries

3. A vote event information page will be displayed.
4. Click the button “View Final Result” located at the bottom of the page.

**View Vote Events**

Welcome, Smith James

**Vote Information**

Vote Event Name: Vote Event Title 8

Vote Event Start Date: 21 November 2024      Vote Event End Date: 29 November 2024

Vote Event Start Time: 11 p.m.      Vote Event End Time: 5 a.m.

Vote Question: Vote Event Question 8      Vote Event Status: Final Result Ready

Vote Options:  
 1. Option 8-1  
 2. Option 8-2

Participants: 6

Name	Email
John Smith	john-smith@mail.com
David Brown	david-brown@mail.com
Susan Jones	susan-jones@mail.com
Michael Scott	michael-scoot@mail.com
Ivan Leu	ivan-leu@mail.com
Isabel Martin	isabel-martin@mail.com

**Back** **View Final Result**

5. A final result page with the information of the vote event will be displayed.

**HARPO Crypton**

**Vote Event Final Result**

Welcome, Smith James

**Vote Event Name**  
Vote Event Title 8

**Vote Question**  
Vote Event Question 8

**Vote Option**  
Option 8-1  
Option 8-2

Participants : 6	
Name	Email
John Smith	john-smith@mail.com
David Brown	david-brown@mail.com
Susan Jones	susan-jones@mail.com
Michael Scott	michael-scoot@mail.com
Ivan Leu	ivan-leu@mail.com
Isabel Martin	isabel-martin@mail.com

**Statistic - Vote Option Counts**

Option 8-2 : Votes : 6  
Option 8-1 : Votes : 0

**Voter Turnout**  
100 %

**Log out**

**Back** **Publish Final Result**

## Publish Vote Event's Final Result

1. In the Homepage, select a vote event in status of “Final Result Ready” or “Result Published” that you wish to view information about in the event list pane.
  - a. Or, you may navigate to the “Completed Vote Events” page to select your vote event.
2. Click the “View” button in the last column on its respective table row.

**HARPO Crypton**

**Overview**

Welcome, Smith James

**Summary**

Total Vote Events : 10  
Ongoing Vote Events : 6  
Completed Vote Events : 4

**Miscellaneous**

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**Your Vote Events**

Create New Vote Event Search: [ ]

Seq No	Name	Event Date	Event Time	Status	Actions
7	Vote Event Title 7	to 2024-05-26	to 04:00:00	Result Publish	<a href="#">Modify</a> <a href="#">Confirm</a>
8	Vote Event Title 8	2024-11-21 to 2024-11-29	23:00:00 to 05:00:00	Final Result Ready	<a href="#">View</a> (circled) <a href="#">Delete</a> <a href="#">Modify</a> <a href="#">Confirm</a> <a href="#">View</a>

Showing 1 to 10 of 10 entries

Or

**Completed Vote Events**

Total Completed/Published Events : 4  
Completed Vote Events : 2  
Published Vote Events : 2  
Failed Vote Events : 0

Seq No	Name	Event Date	Event Time	Status	Actions
1	Vote Event Title 7	2024-05-08 to 2024-05-26	06:00:00 to 04:00:00	Final Result Ready	<button>View</button>
2	Vote Event Title 8	2024-11-21 to 2024-11-29	23:00:00 to 05:00:00	Final Result Ready	<button>View</button>
3	Vote Event Title 9	2024-01-14 to 2024-01-23	14:00:00 to 09:00:00	Result Publish	<button>View</button>
4	Vote Event Title 10	2024-08-04 to	13:00:00 to	Result Publish	<button>View</button>

Showing 1 to 4 of 4 entries

3. A vote event information page will be displayed.
4. Click the button “View Final Result” located at the bottom of the page.

**View Vote Events**

**Vote Information**

Vote Event Name: Vote Event Title 8

Vote Event Start Date: 21 November 2024	Vote Event End Date: 29 November 2024
Vote Event Start Time: 11 p.m.	Vote Event End Time: 5 a.m.
Vote Question: Vote Event Question 8	Vote Event Status: Final Result Ready

Vote Options:  
1. Option 8-1  
2. Option 8-2

Participants: 6

Name	Email
John Smith	john-smith@mail.com
David Brown	david-brown@mail.com
Susan Jones	susan-jones@mail.com
Michael Scott	michael-scoot@mail.com
Ivan Leu	ivan-leu@mail.com
Isabel Martin	isabel-martin@mail.com

**View Final Result**

5. A final result page with the information of the vote event will be displayed.

**HARPO Crypton**

Welcome, Smith James

**Vote Event Final Result**

**Vote Event Name**  
Vote Event Title 8

**Vote Question**  
Vote Event Question 8

**Vote Option**  
Option 8-1  
Option 8-2

**Participants : 6**

Name	Email
John Smith	john-smith@mail.com
David Brown	david-brown@mail.com
Susan Jones	susan-jones@mail.com
Michael Scott	michael-scoot@mail.com
Ivan Leu	ivan-leu@mail.com
Isabel Martin	isabel-martin@mail.com

**Voter Turnout**  
100 %

**Statistic - Vote Option Counts**

Option 8-2 : Votes : 6  
Option 8-1 : Votes : 0

Back Publish Final Result

- Click the button "Publish Final Result" located at the bottom of the page.

**HARPO Crypton**

Welcome, Smith James

**Vote Event Final Result**

**Vote Event Name**  
Vote Event Title 8

**Vote Question**  
Vote Event Question 8

**Vote Option**  
Option 8-1  
Option 8-2

**Participants : 6**

Name	Email
John Smith	john-smith@mail.com
David Brown	david-brown@mail.com
Susan Jones	susan-jones@mail.com
Michael Scott	michael-scoot@mail.com
Ivan Leu	ivan-leu@mail.com
Isabel Martin	isabel-martin@mail.com

**Voter Turnout**  
100 %

**Statistic - Vote Option Counts**

Option 8-2 : Votes : 6  
Option 8-1 : Votes : 0

Back Publish Final Result

- A pop up confirmation box will be displayed. Click "OK" to confirm the publish, otherwise, click "Cancel".

**HARPO Crypton**

**Welcome, Smith James**

**Vote Event Final Result**

**Vote Event Name**  
Vote Event Title 8

**Vote Question**  
Vote Event Question 8

**Vote Option**  
Option 8-1  
Option 8-2

**Participants : 6**

Name
John Smith
David Brown
Susan Jones
Michael Scott
Ivan Leu
Isabel Martin

**Statistic - Vote Option Counts**

Option 8-2 : Votes : 6  
Option 8-1 : Votes : 0

**harpocryption.com**

You are going to publish the vote event results.  
Confirm to proceed ?

**Cancel** **OK**

**Voter Turnout**  
100 %

**Back** **Publish Final Result**

- After the vote event's final result is published, a pop up acknowledgement message will be displayed.

**HARPO Crypton**

**Welcome, Smith James**

**Vote Event Final Result**

**Vote Event Name**  
Vote Event Title 8

**Vote Question**  
Vote Event Question 8

**Vote Option**  
Option 8-1  
Option 8-2

**Participants : 6**

Name
John Smith
David Brown
Susan Jones
Michael Scott
Ivan Leu
Isabel Martin

**Statistic - Vote Option Counts**

Option 8-2 : Votes : 6  
Option 8-1 : Votes : 0

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Final Result Published Successfully !

**OK**

**Voter Turnout**  
100 %

**Back** **Publish Final Result**

## Voter

### Access The Vote Event Invitation Link

- If you participate in the vote event, you will receive an invitation link in your registered mailbox.
- Obtain the access link from your email and open it in any modern browser.

3. A voting booth with voting questions and options will be displayed.

**HARPO Crypton**

Voting Booth      Michael Scott

**Vote Event Title 4**

**Vote Question**  
Vote Event Question 4

**Vote Options**

Option 4-1

Option 4-2

Option 4-3

**Submit**

### Cast and Submit a Vote

1. In the voting booth, select any one of the options from the web form by clicking on them.

**HARPO Crypton**

Voting Booth      Michael Scott

**Vote Event Title 4**

**Vote Question**  
Vote Event Question 4

**Vote Options**

Option 4-1

Option 4-2

Option 4-3

**Submit**

2. After confirming the selection, click the “Submit” button.
3. An acknowledgement message will be displayed.



### Vote Acknowledgement

We have received your vote. Thank you!

[Return Home](#)

#### View Vote Event's Final Result

1. The vote event final result only can be viewed if the event owner has published the result to the participants.
2. If the event owner has published the vote event final result, the access link for the final result will be sent out to the participants through the registered emails.
3. Obtain the access link from your email and open it in any modern browsers.
4. A final result booth with the information of the vote event's final result will be displayed.

Vote Result Booth

### Vote Event Title 9

**Vote Question**  
Vote Event Question 9

**Vote Options**

Option 9-1	2
Option 9-2	2
Option 9-3	1

**Voter Turnout**  
83 % out of 6 voters

## **Vote Event Status**

The vote event object in the system will go through different status. Each vote event's status will have their own meanings and some constraints on the operations. This section enumerated the 5 vote event's status and their descriptions respectively.

### **Pending Confirmation**

This is the status when the vote event is created. Vote Events in this status are not confirmed and allowed to modify any of its attributes. Vote Events in this status will be categorized as "Ongoing Vote Events".

### **Confirmation Failed**

This is the status when the vote event fails to be confirmed and published to the intended voters after confirming the vote event after the event' start date time. This vote event will be classified into the "Complete Vote Event" section.

### **Published**

This is the status when the vote event is published by the event owner. Vote Events in this status are only allowed to modify on end datetime and add more participants to the vote event. Voters will only get access to this status vote event booth. Vote Events in this status will be categorized as "Ongoing Vote Events".

### **Voting Concluded**

When the vote event end date time has reached, the vote event will transit into this status. Vote Events in this status are no longer accepting any vote casting anymore. Votes tally process will be started in this status. Vote Events in this status will be categorized as "Ongoing Vote Events".

### **Final Result Ready**

When all the casted votes are tallied and the final results are ready, the vote event will transit into this status. Event Owners are allowed to publish the vote event's final result in this status. Vote Events in this status will be categorized as "Completed Vote Events".

### **Result Published**

If the event owner has published the vote event's final result, the vote event status will eventually fall into this status. Vote Events in this status will be categorized as "Completed Vote Events".

## Errors

In some operations, there will be some constraints and restrictions applied to the vote event's object itself. Error messages will be displayed when the end user violated the defined constraints and restrictions. This section covers all the possible errors that will be displayed when the system fails to process the requests by the end users. The contents in this section will be organized by the requests/operations, such as (Create Account, Login, ..., etc)

### Event Owner Creates Account

<b>Error Message</b>	<b>Descriptions</b>
Field Values Invalid !	Field value data type does not match, such as Email Field expected for a valid email syntax and OTP expected for numeric values only.
User Account Already Exists !	When the provided email account is registered with the system.
Passwords Do Not Match !	Password and Retype Password field values are not an exact match.
OTP Value Invalid!	OTP values do not match with the one generated by the system.
Password Format Invalid !	Passwords do not comply with the requirements.
No OTP Generated !	There are no OTP values along with the provided email in the system database.

### Event Owner Request OTP Values

<b>Error Message</b>	<b>Descriptions</b>
Invalid Email !	When the provided email address is not valid in conventional email format.

## Event Owner Login

<b>Error Message</b>	<b>Descriptions</b>
Incorrect Credentials	Login information does not match the system database records.

## Event Owner Creates Vote Event

<b>Error Message</b>	<b>Descriptions</b>
Field Values Invalid !	Field value data type does not match.
Date Time Settings Invalid !	Vote Event Date and Time settings invalid. (Start Datetime after the End Datetime)
At Least Two Vote Options Are Needed !	There must be at least 2 Vote Options.

## Event Owner Updates Vote Event

<b>Error Message</b>	<b>Descriptions</b>
Field Values Invalid !	Field value data type does not match.
Date Time Settings Invalid !	Vote Event Date and Time settings invalid. (Start Datetime after the End Datetime)
At Least Two Vote Options Are Needed !	There must be at least 2 Vote Options.
Vote Event Not Modifiable !	When the Vote Event does not meet the criteria for modification. Only the status of PC and PB can be modified.

## Event Owner Confirm Vote Event

<b>Error Message</b>	<b>Descriptions</b>
Vote Event Is Already Published !	When the vote event is in status of "Published" (PB) or any proceeding status, there is no way to confirm the vote event again.

### Event Owner View Final Result

<b>Error Message</b>	<b>Descriptions</b>
Final Result Is Not Ready !	When the event owner tries to access the vote event in status of "Voting Concluded" (VC).

### Voter Access Vote Event Platform

<b>Error Message</b>	<b>Descriptions</b>
Invitation Link Invalid !	When the voter invitation link is not valid, the voter authentication token is mismatched.
Vote Event Has Not Started !	When the vote event is published, but the time of access is before the vote event Start Datetime.
Voter Has Already Voted !	When the voter has been voted for the vote event previously.
Invitation Link Expired !	When the vote event has been concluded, the time of access is after the vote event End Datetime settings.

### Voter Access the Vote Event Final Result

<b>Error Message</b>	<b>Descriptions</b>
Access Link Invalid !	When the access final result link is invalid, the voter authentication token is mismatched.

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*End of the User Manual*

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