

Team Members and Roles

- Manoj Sree Harsha Vuppuluri (Product Owner)
- Manisha Bachu
- Harika Gumudavally
- Raghu Ram Reddy Sannapareddy
- Revanth Reddy Male
- Venkata Bhanu Teja Pallakonda
- Mounika Kunduru
- Scrum Masters (On rotation):
 - Iteration 0: Manisha Bachu, Harika Gumudavally
 - Iteration 1: Revanth Reddy, Raghu Ram Reddy Sannapareddy
 - Iteration 2: Venkata Bhanu Teja Pallakonda, Mounika Kunduru
 - Iteration 3: Manisha Bachu, Harika Gumudavally

Customer meeting date/time/place

We had an online zoom meeting with our customer at 12:30pm on 10/21/2021, in which we discussed the requirements, user flow etc.

Summary

This project is to build a website to implement borda count. It's a method of aggregating individual preferences into a social preference. An administrator creates an event, which is a choice among K objects (e.g. times for a meeting). N different users then rank the K objects, and the website uses the Borda Count to deliver the top choice. Extensions use other algorithms also, like bidding with points.

The application implements the aggregation algorithm and a Python Django application for the users to submit their choice. Stakeholders for this project are Dr. Korok Ray, Dr. Duncan Walker.

User Stories

Feature : Sign Up

As an administrator

So that I can register

I want to enter details and click sign up button

Feature : Sign Up

As a user

So that I can register

I want to enter details and click sign up button

Feature: Login

As an administrator

So that I can log into the application and view the dashboard with created polls

I want to enter details in the login page

Feature: Login

As a user

So that I can login into the application and view the dashboard with polls needed to respond.

I want to enter details in the login page

Feature: Dashboard View

As an administrator

So that I can view the details of the poll

I want to click on any poll on my dashboard

Feature: Dashboard View

As an administrator

So that I can view the create poll page

I want to click on create a new poll button

Feature: Dashboard View

As a user

So that I can view the options of the poll and respond

I want to click on any poll on my dashboard

Feature : Create Poll

As an administrator

So that I can share the poll with users

I want to enter the poll options

Feature : Respond to Poll

As a user

So that I can give my preferences

I want to select options available based on my priority

Feature : Borda Count

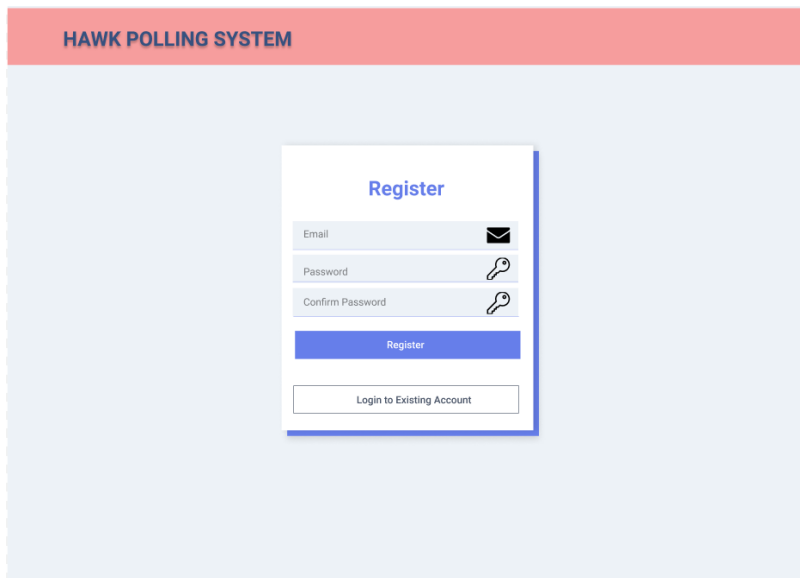
As an administrator

So that I can share it with the users

I want to view the optimal opinion according to borda count algorithm

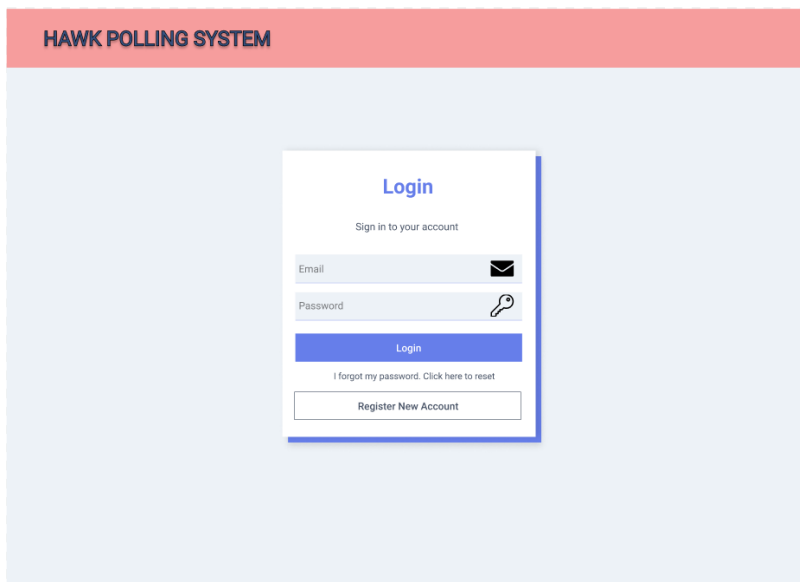
User Interface

User workflow



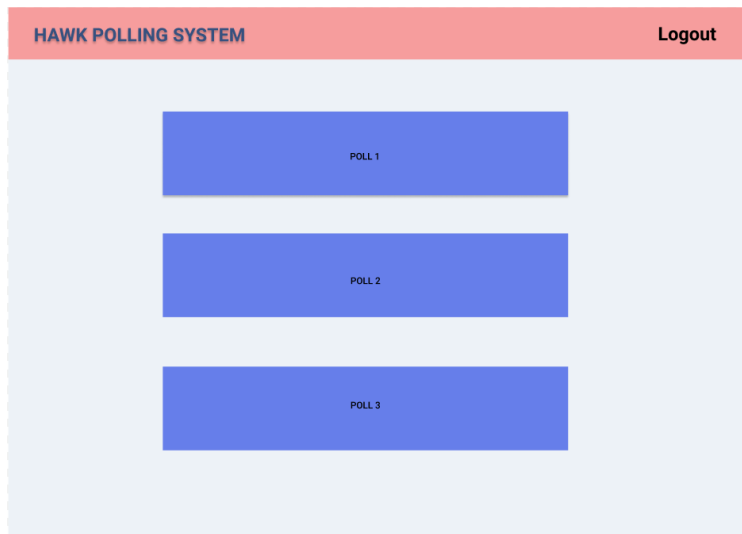
The image shows a web application interface for the 'HAWK POLLING SYSTEM'. At the top, there is a red header bar with the text 'HAWK POLLING SYSTEM' in white. Below the header, the main content area has a light blue background. In the center, there is a white rectangular box with a blue border, titled 'Register' in blue text. Inside this box, there are three input fields: 'Email' with an envelope icon, 'Password' with a key icon, and 'Confirm Password' with a key icon. Below these fields is a blue button labeled 'Register'. At the bottom of the box, there is a white button labeled 'Login to Existing Account'.

This page is used by the new users to register for the application by providing email id and password.

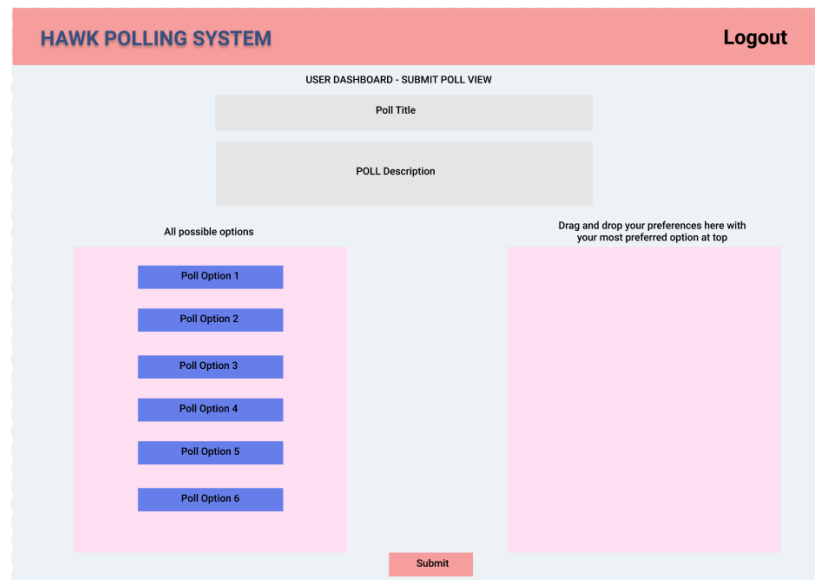


The image shows a web application interface for the 'HAWK POLLING SYSTEM'. At the top, there is a red header bar with the text 'HAWK POLLING SYSTEM' in white. Below the header, the main content area has a light blue background. In the center, there is a white rectangular box with a blue border, titled 'Login' in blue text. Below the title, there is a subtitle 'Sign in to your account'. There are two input fields: 'Email' with an envelope icon and 'Password' with a key icon. Below these fields is a blue button labeled 'Login'. Below the button, there is a link that says 'I forgot my password. Click here to reset'. At the bottom of the box, there is a white button labeled 'Register New Account'.

This screen is the Homepage of the application. Here the users can login if they are already registered, otherwise they can signup via the next screen.

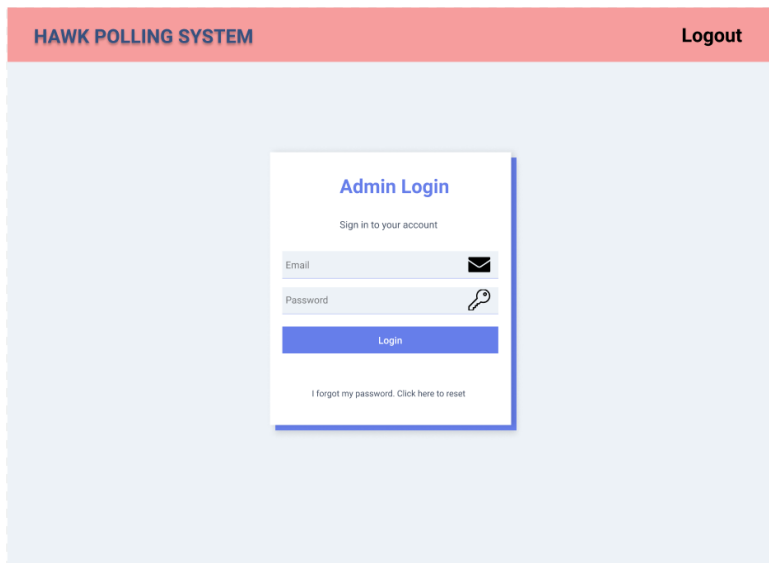


This is the Dashboard for users where each rectangle represents the polls to which they can respond.



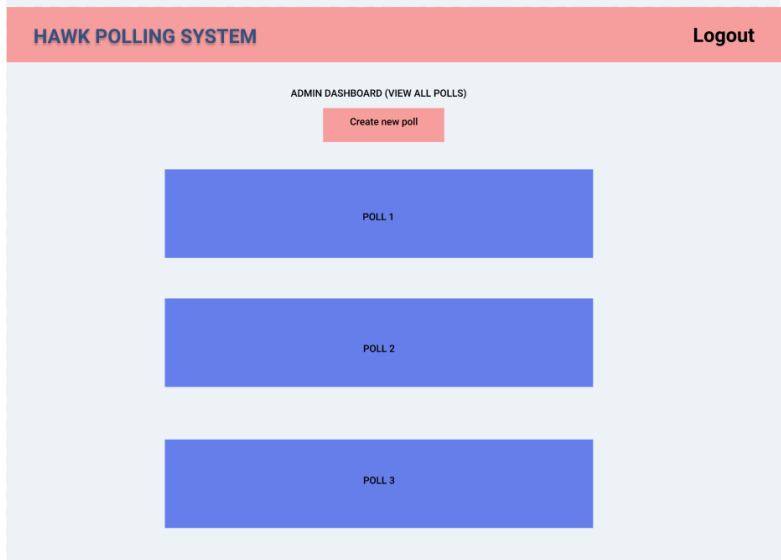
This screen is used by the users to select the options (choices) in priority. Once the options are selected the user clicks on the submit button.

Administrator Workflow



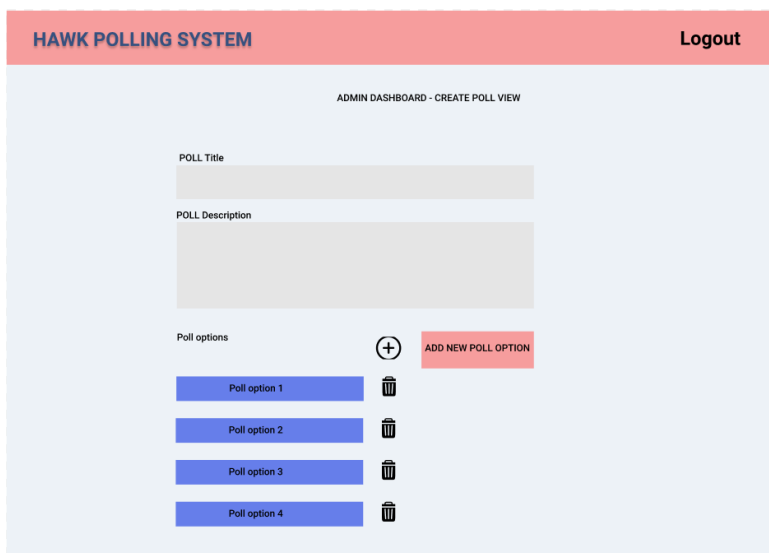
The Admin Login screen features a red header with "HAWK POLLING SYSTEM" on the left and "Logout" on the right. The main content area is light blue and contains a white login box. The box has the title "Admin Login" and the subtitle "Sign in to your account". It includes two input fields: "Email" with an envelope icon and "Password" with a key icon. Below these is a blue "Login" button. At the bottom of the box is a link that says "I forgot my password. Click here to reset".

This screen is used to sign in by the administrator.



The Admin Dashboard (View All Polls) has a red header with "HAWK POLLING SYSTEM" and "Logout". Below the header is a light blue area with the title "ADMIN DASHBOARD (VIEW ALL POLLS)". A red "Create new poll" button is at the top. Below it are three blue rectangular cards labeled "POLL 1", "POLL 2", and "POLL 3" from top to bottom.

This is the admin dashboard. The administrator can create new poll events and can view the previously created polls.



The Admin Dashboard - Create Poll View has a red header with "HAWK POLLING SYSTEM" and "Logout". The main area is light blue with the title "ADMIN DASHBOARD - CREATE POLL VIEW". It contains a form with a "POLL Title" label and a text input field, followed by a "POLL Description" label and a larger text input field. Below these is a "Poll options" section. It starts with a plus icon in a circle and a red "ADD NEW POLL OPTION" button. Then there are four blue buttons labeled "Poll option 1", "Poll option 2", "Poll option 3", and "Poll option 4". Each button has a trash can icon to its right.

This page is the create poll view page where the administrator provides a list of options (choices) for the users.

For further reference of UI mockups please find the link below :

[https://www.figma.com/file/VlvZgcc9zmkH7wofZtb2KQ/Thumblytics-Login-\(Copy\)?node-id=0%3A1](https://www.figma.com/file/VlvZgcc9zmkH7wofZtb2KQ/Thumblytics-Login-(Copy)?node-id=0%3A1)

Pivotal Tracker

<https://www.pivotaltracker.com/n/projects/2535906>

Github

<https://github.com/msharsha/Borda-Count>

Thank you