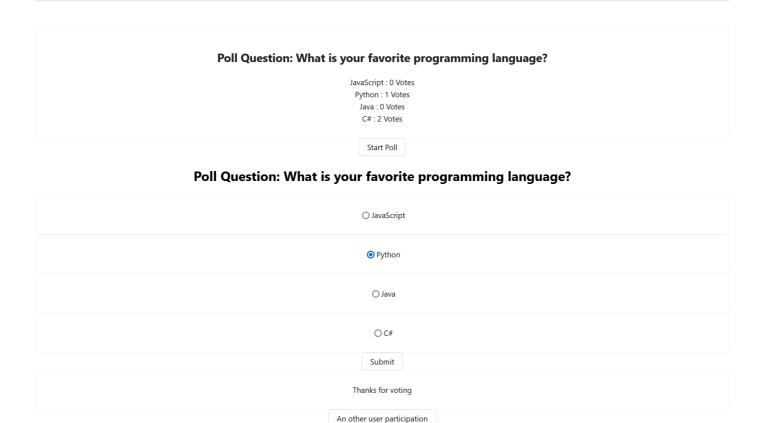
- Poll App
  - App Component
  - Poll Display
  - User Participation
  - Another User Participation
  - Thanks You Message

### **Poll App**



## **App Component**

```
import React, { useState } from "react";
import "./App.css";
import PollDisplay from "./PollDisplay";
import UserParticipation from "./UserParticipation";
import ThankYouMessage from "./ThankYouMessage";
import AnotherUserParticipation from "./AnotherUserParticipation";

import { Button } from "antd";

function App() {
   const obj = {
     question: "What is your favorite programming language?",
     choices: [
```

```
{ id: 1, label: "JavaScript", votes: 0 },
      { id: 2, label: "Python", votes: 0 },
      { id: 3, label: "Java", votes: 0 },
      { id: 4, label: "C#", votes: 0 },
    ],
  };
  const [choices, setChoices] = useState(obj.choices);
  const [hasStarted, setHasStarted] = useState(false);
  const [hasVoted, setHasVoted] = useState(false);
  function handleSubmit(choices) {
    if (!hasVoted) {
      setHasVoted(true);
      setChoices(choices);
    }
  }
  function handleAnotherUser() {
    setHasVoted(false);
  }
  return (
    <div className="App">
      <PollDisplay question={obj.question} choices={choices} />
      <Button onClick={() => setHasStarted(true)}>Start Poll</Button>
      {hasStarted && (
        <UserParticipation</pre>
          question={obj.question}
          choices={choices}
          onSubmit={handleSubmit}
          user={hasVoted}
          selection={""}
        />
      )}
      {hasVoted && <ThankYouMessage />}
      {hasVoted && <AnotherUserParticipation onClick={handleAnotherUser} />}
    </div>
  );
export default App;
```

### **Poll Display**

```
import React from "react";
import { Card, List } from "antd";
/**
```

```
* Display of predefined poll question and answer choices
 * Show the number of votes for each answer choice
function PollDisplay({ question, choices }) {
 return (
    <Card>
      <h2>Poll Question: {question}</h2>
      <List>
       {choices.map((choice) => (
         {choice.label} : {choice.votes} Votes
       ))}
     </List>
    </Card>
 );
}
export default PollDisplay;
```

## **User Participation**

```
import React from "react";
import { Card, Button } from "antd";
function UserParticipation({ question, choices, onSubmit, user, selection }) {
  const [selectedChoice, setSelectedChoice] = React.useState(null);
  function handleSubmit(event) {
    event.preventDefault();
    if (selectedChoice === null || user) {
      return;
    }
    const newChoices = choices.map((choice, index) => {
      if (index === selectedChoice) {
        return {
          ...choice,
          votes: choice.votes + 1,
        };
      return choice;
    });
    onSubmit(newChoices);
  function handleVote(index) {
    setSelectedChoice(index);
  return (
```

```
<h2>Poll Question: {question}</h2>
        {choices.map((choice, index) => (
          <Card key={choice.id}>
            <input</pre>
              type="radio"
              name="vote"
              id={`choice-${choice.id}`}
              value={choice.id}
              onChange={() => handleVote(index)}
            <label htmlFor={`choice-${choice.id}`}>{choice.label}</label>
        ))}
      </form>
      <Button onClick={handleSubmit}>Submit</Button>
    </div>
 );
}
export default UserParticipation;
```

### **Another User Participation**

```
import React from "react";
import { Button } from "antd";

function AnotherUserParticipation({ onClick }) {
  function handleCLick(event) {
    event.preventDefault();
    onClick();
  }
  return <Button onClick={handleCLick}>An other user participation</Button>;
}

export default AnotherUserParticipation;
```

# Thanks You Message

```
import React from "react";
import { Card } from "antd";
function ThankYouMessage() {
```

```
return <Card>Thanks for voting</Card>;
}
export default ThankYouMessage;
```