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# Poll App

Poll Question: What is your favorite programming language?

JavaScript : 0 Votes  
Python : 1 Votes  
Java : 0 Votes  
C# : 2 Votes

Start Poll

Poll Question: What is your favorite programming language?

☐ JavaScript

☒ Python

☐ Java

☐ C#

Submit

Thanks for voting

An other user participation

# 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
        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) => (
          <li key={choice.id}>
            {choice.label} : {choice.votes} Votes
          </li>
        ))}
      </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 (

```

```

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