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023-19-0101

BSCS 8 Section:B

TASK 01

Poll Display Component Code

importUserParticipationfrom'./UserParticipation';

import { useState } from'react';

importAnotherUserParticipationfrom'./AnotherUserParticipation';

functionPollDisplay({}) {

constquestion = "What is your favorite programming language?";

constchoicesArray = [

```
  { "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 [selectedChoice, setSelectedChoice] = useState(null);

consthandleChoiceSelect = (choiceId) => {

setSelectedChoice(choiceId);

};

return (

{question}

{choicesArray.map((choice) => (

<likey={choice.id}>

{choice.label}: {choice.votes} Votes

```
  ))}
```

<UserParticipationchoicesArray={choicesArray}/>

<AnotherUserParticipationchoicesArray={choicesArray}setSelectedChoice/>

);

}

exportdefaultPollDisplay;

What is your favorite programming language?

- JavaScript: 0 Votes
- Python: 0 Votes
- Java: 0 Votes
- C#: 0 Votes

User Participation Component Code

constUserParticipation = ({ choicesArray }) => {

const [selectedChoice, setSelectedChoice] = useState(null);

const [hasVoted, setHasVoted] = useState(false);

consthandleChoiceSelect = (choiceId) => {

setSelectedChoice(choiceId);

};

```
consthandleVoteSubmit = () => {

if (selectedChoice !== null) {

setHasVoted(true);

  }
```

```
};
```

return (

UserParticipation Component

Answer Choices:

{choicesArray.map((choice) => (

<likey={choice.id}>

<input

type="radio"

name="choice"

value={choice.id}

checked={selectedChoice === choice.id}

onChange={() =>handleChoiceSelect(choice.id)}

/>

{choice.label} (Selectable)

```
  ))}
```

<buttononClick={handleVoteSubmit}>Submit Vote</button>

{hasVoted && <ThankYouComponent/>}

```
);

};

constThankYouComponent = () => {

return (
```

Thank You for Voting!

```
);

};

exportdefaultUserParticipation;
```

UserParticipation Component

Answer Choices:

- ◯ JavaScript (Selectable)
- ⦿ Python (Selectable)
- ◯ Java (Selectable)
- ◯ C# (Selectable)

[Submit Vote]

Another User Participation Component

```
importReact, { useState } from'react';

constAnotherUserParticipation = ({ choicesArray, onResetSelectedChoice }) => {

const [selectedChoice, setSelectedChoice] = useState(null);

consthandleChoiceSelect = (choiceId) => {

setSelectedChoice(choiceId);

};

consthandleVoteSubmit = () => {
```

```
if (selectedChoice !== null) {

console.log('Selected choice:', selectedChoice);

    }

};

consthandleAnotherUserClick = () => {

setSelectedChoice(null);

onResetSelectedChoice();

};

return (
```

AnotherUserParticipation Component

Answer Choices:

```
{choicesArray.map((choice) => (

<likey={choice.id}>

<input

type="radio"

name="choice"

value={choice.id}

checked={selectedChoice === choice.id}

onChange={() =>handleChoiceSelect(choice.id)}

/>

{choice.label} (Selectable)
```

```
    ))}
```

`<button` `onClick={handleVoteSubmit}>Submit Vote</button>`

`<button` `onClick={handleAnotherUserClick}>Another User</button>`

`);`

`};`

`export` `default` `AnotherUserParticipation;`

AnotherUserParticipation Component

Answer Choices:

- ○ JavaScript (Selectable)
- ○ Python (Selectable)
- ○ Java (Selectable)
- ○ C# (Selectable)

Submit Vote | Another User

Thankyou Component

`import` `React` `from` `'react'`

`import` `AnotherUserParticipation` `from` `'./AnotherUserParticipation'`

`import` `UserParticipation` `from` `'./UserParticipation'`

`const` `msg="Thank you for your vote"`

`function` `ThankyouMessage() {`

`return (`

`)`

`}`

`export` `default` `ThankyouMessage`

TASK 2

Timer Component Code

importReact, { useState, useEffect } from'react';

constTimer = () => {

const [countdown, setCountdown] = useState(10);

useEffect(() => {

consttimer = setInterval(() => {

setCountdown((prevCountdown) =>prevCountdown - 1);

```
    }, 1000);
```

if (countdown === 0) {

clearInterval(timer);

```
    }
```

return () =>clearInterval(timer);

}, [countdown]);

return (

{countdown === 0 ? (

Time's Up!

```
    ) : (
```

Countdown: {countdown}

```
  )}
```

div>

);

};

exportdefaultTimer;

Task 2

Countdown: 7

on TIME UP:

Task 2

Time's Up!