

Task 5

5. Passing Props to a Component

Tasks:

1. Create a Movie component that displays the title, year, and rating of a movie using props.

Movie.jsx

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

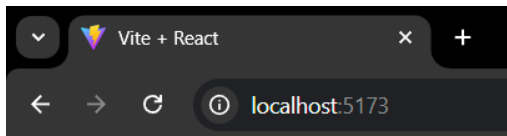
```
export default function Movie(props) {  
  return (  
    <>  
      <h3>The title is {props.title}</h3>  
      <h3>The year is {props.year}</h3>  
      <h3>The rating is {props.rating}</h3>  
    </>  
  )  
}
```

Main.jsx

```
import Movie from './Movie.jsx'
```

```
createRoot(document.getElementById('root')).render(  
  <StrictMode>  
    <Movie title="KGF" year="2018" rating="8.5"/>  
  </StrictMode>  
)
```

Output



The title is KGF

The year is 2018

The rating is 8.5

2. Update the Movie component to have a default prop for rating as “Not Rated”.

Movie.jsx

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

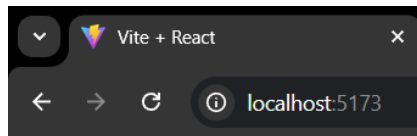
```
export default function Movie({ title, year, rating = "Not Rated" }) {
  return (
    <>
      <h3>The title is {title}</h3>
      <h3>The year is {year}</h3>
      <h3>The rating is {rating}</h3>
    </>
  )
}
```

Main.jsx

```
import Movie from './Movie.jsx'
```

```
createRoot(document.getElementById('root')).render(
  <StrictMode>
    <Movie title="KGF" year="2018"/>
    <Movie title="KGF2" year="2018" rating="8.5"/>
  </StrictMode>
)
```

Output



The title is KGF

The year is 2018

The rating is Not Rated

The title is KGF2

The year is 2018

The rating is 8.5

3. Design a Button component that takes in a label prop and displays the label on the button.

Main.jsx

```
import Button from './Button.jsx'
```

```
createRoot(document.getElementById('root')).render(
  <StrictMode>
```

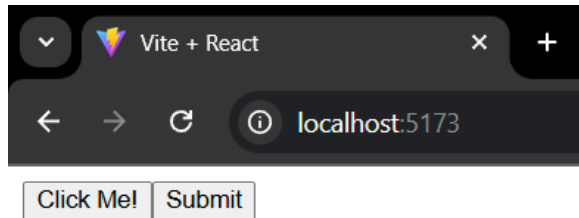
```

    <Button name="Click Me!"/>
    <Button name="Submit" />
  </StrictMode>
)
Button.jsx
import React from 'react'

export default function Button(props) {
  return (
    <>
      <button>{props.name}</button>
    </>
  )
}

```

Output



4. Make a UserProfile component and pass an object containing user details as props and display them.

Userprofile.jsx

```

import React from 'react'

export default function UserProfile(props) {
  return (
    <>
      <h3>Name: {props.name}</h3>
      <h3>Age: {props.age}</h3>
      <h3>Gender: {props.gender}</h3>
    </>
  )
}

```

Main.jsx

```

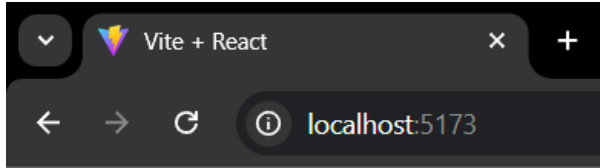
import UserProfile from './UserProfile.jsx'

createRoot(document.getElementById('root')).render(

```

```
<StrictMode>
  <UserProfile name="Kavin" age="21" gender="male"/>
</StrictMode>
)
```

Output



Name: Kavin

Age: 21

Gender: male

5. Develop a Modal component that accepts and displays a title and some content passed as props.

Modal.jsx

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

```
export default function Modal(props) {
  return (
    <>
      <h2>{props.title}</h2>
      <p>{props.content}</p>
    </>
  )
}
```

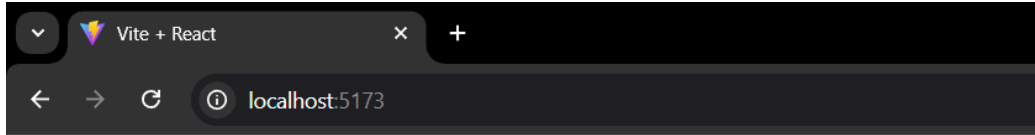
Main.jsx

```
import Modal from './Modal.jsx'
```

```
createRoot(document.getElementById('root')).render(
  <StrictMode>
    <Modal title="React" content="React is a JavaScript library primarily used for building user interfaces (UIs) for web applications"/>
  </StrictMode>
)
```

```
</StrictMode>  
)
```

Output



React

React is a JavaScript library primarily used for building user interfaces (UIs) for web applications