Workshop Coding Instructions

Exercise (1)

In App.tsx, Create a Navbar component from scratch

Create the file /src/components/Navbar.tsx .

Contents of the file should look like this:

Navbar.tsx

Add the component to App.tsx.

App.tsx

Exercise (2)

In ListContainer.tsx, Add a required 'title' prop to ListContainer

Initial signature:

ListContainer.tsx

```
export default function ListContainer()
```

Add interface and props parameter:

ListContainer.tsx

```
interface ListContainerProps {
    title: string
}
export default function ListContainer(props: ListContainerProps)
```

Reference props in return statement:

ListContainer.tsx

Add prop value to component in App.tsx:

App.tsx

Exercise (3)

In ListContainer.tsx, Render ListItem components from an array

Initial return:

ListContainer.tsx

Add the following above the return statement:

ListContainer.tsx

Change the return statement to render listItems instead of the raw components:

ListContainer.tsx

```
<div className="list-container__list">
    {listItems}
</div>
```

Exercise (4)

In ListItem.tsx, Create an isCrossedOut state

Add the following hook underneath the existing hooks

ListItem.tsx

```
const [isCrossedOut, setIsCrossedOut] = React.useState(false);
```

Create an event handler to go with it

ListItem.tsx

```
const goToggleIsCrossedOut = () => {
    setIsCrossedOut((prev) => !prev);
}
```

Reference the state ant the event handler in the return statement

ListItem.tsx

Go back and change the component array to use state:

ListContainer.tsx

Exercise (5)

In ListItem.tsx, Set up conditional rendering to render the input box

End of file looks like this:

ListItem.tsx

```
const inputBox = <form className='list-item__form' onSubmit={goToggleEdit}>
    <input</pre>
```

```
type="text"
    name="itemName"
    id="itemName"
    className="list-item__input"
    value={props.item}
    onChange={goChangeItem}
    autoFocus
    onFocus={(e) => e.target.select()}
    onBlur={goToggleEdit}
  />
  <button
    className="material-symbols-outlined list-item__button done"
    type='submit'
    done
  </button>
</form>
return (
  <div className='list-item'>
    <div
      className={false
        ? 'list-item__text list-item__text--done'
        : 'list-item__text'}
      {props.item}
    </div>
    <div
      className="material-symbols-outlined list-item__button edit"
      onClick={goToggleEdit}
      edit
    </div>
    <div
      className="material-symbols-outlined list-item__button delete"
      onClick={goDelete}
      delete
    </div>
  </div>
);
```

Return statement should look something like this when done:

ListItem.tsx

```
if (isEditing) {
   return (
```

```
<div className="list-item">
      <form className='list-item__form' onSubmit={goToggleEdit}>
        <input</pre>
          type="text"
          name="itemName"
          id="itemName"
          className="list-item__input"
          value={props.item}
          onChange={goChangeItem}
          autoFocus
          onFocus={(e) => e.target.select()}
          onBlur={goToggleEdit}
        />
        <button
          className="material-symbols-outlined list-item button done"
          type='submit'
          done
        </button>
      </form>
    </div>
  );
} else {
  return (
    <div className='list-item'>
      <div
        className={ isCrossedOut
          ? 'list-item__text list-item__text--done'
          : 'list-item text'}
        {props.item}
      </div>
      <div
        className="material-symbols-outlined list-item__button edit"
        onClick={goToggleEdit}
        edit
      </div>
      <div
        className="material-symbols-outlined list-item__button delete"
        onClick={goDelete}
        delete
      </div>
    </div>
  );
}
```

Exercise (6)

In ListContainer.tsx, Add state for the form values

Input element currently looks like this:

ListContainer.tsx

```
<input
    className='list-container__input'
    type="text"
    name="itemName"
    id="itemName"
/>
```

Change input element to look like this:

ListContainer.tsx

```
<input
    className='list-container__input'
    type="text"
    name="itemName"
    id="itemName"
    value={inputString}
    onChange={(e) => setInputString(e.target.value)}
/>
```