

useToggleTodo Hook

In this lesson, we create a hook to toggle a ToDo item.

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useToggleTodo

This hook is to toggle the `completed` flag of an item.

```
// ./hooks/useToggleTodo.js

import { useCallback } from 'react';
import { useSetDraft } from '../store';

export const useToggleTodo = () => {
  const setDraft = useSetDraft();
  return useCallback(
    id => {
      setDraft(draft => {
        const todo = draft.todos.find(todo => todo.id === id);
        if (todo) todo.completed = !todo.completed;
      });
    },
    [setDraft],
  );
};
```

Initially `todo.completed` is `undefined`, but once it's toggled it will be `true`, and `false` / `true` thereafter.

This hook can also be implemented without mutations. The immutable version is the following:

```
setDraft(draft => draft.map(todo => (todo.id === id ? { ...todo, completed : !todo.completed } : todo)));
```

This might be a bit tricky if you aren't used to immutable updates.

Next

In the next lesson, we learn about another hook `useQuery`.