

# TodoList Component

In this lesson, we create a component to list Todo items.

## WE'LL COVER THE FOLLOWING ^

- TodoList
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## TodoList #

Based on the `useTodoList` hook, we create the TodoList component.

```
// ./components/ToDoList.js

import React from 'react';

import { useTodoList } from '../hooks/useTodoList';
import { useQuery } from '../hooks/useQuery';
import TodoItem from './TodoItem';
import NewTodo from './NewTodo';

const TodoList = () => {
  const { getQuery, setQuery } = useQuery();
  const todos = useTodoList();
  return (
    <div>
      <ul>
        {todos.map(({ id, title, completed }) => (
          <TodoItem key={id} id={id} title={title} completed={completed} /
        >
        ))}
      <NewTodo />
      </ul>
      <div>
        Highlight Query for incomplete items:
        <input value={getQuery()} onChange={e => setQuery(e.target.value)} /
      </div>
    </div>
  )
}
```

```
    </div>
  </div>

);
};

export default TodoList;
```

We also use the `useQuery` hook to show the text field for the highlight query in this component.

## Next #

In the next two lessons we create two components, `TodoItem` and `NewTodo`, that are imported into the `TodoList`.