



„Simplicity is prerequisite for reliability“

~Edsger W. Dijkstra

1. Manual DOM Manipulation

TODO LIST

OK

TODO LIST

My Todo|

OK

TODO LIST

- My Todo

TODO LIST

Next Todo| **OK**

- My Todo

TODO LIST

- My Todo
- Next Todo


```
<h1>TODO List</h1>
<form id="form">
  <input id="input" />
  <input type="submit" />
</form>
<ul id="list"></ul>
```

```
$(document).ready(function () {
  var input = $("#input")
  $("#form").on("submit", function (e) {
    e.preventDefault();
    $("#list").append("<li>" + input.val() + "</li>");
    input.val("");
  });
});
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HTML

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    e.preventDefault();
    $("#list").append("<li>" + input.val() + "</li>");
    input.val("");
  });
});
```


TODO LIST

- My Todo
- Next Todo

TODO LIST

- ☐ My Todo
- ☐ Next Todo

TODO LIST

OK

☒ ~~My Todo~~

☐ Next Todo

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```
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    var input = $("#input")  
    $("#form").on("submit", function (e) {  
        e.preventDefault();  
        $("#list").append("<li><input type='checkbox' />" +  
            input.val() + "</li>");  
        input.val("");  
    });  
    $(document.body).on("change", ":checkbox", function (e) {  
        $(e.target).parent().addClass("done");  
    });  
});
```

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    var input = $("#input")  
    $("#form").on("submit", function (e) {  
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TODO LIST

OK

☒ ~~My Todo~~

☐ Next Todo

TODO LIST

- ☐ My Todo
- ☐ Next Todo

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    $(document.body).on("change", ":checkbox", function (e) {  
        var li = $(e.target).parent();  
        if (li.hasClass("done")) {  
            li.removeClass("done");  
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        input.val("");  
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        var li = $(e.target).parent();  
        if (li.hasClass("done")) {  
            li.removeClass("done");  
        } else {  
            li.addClass("done");  
        }  
    });  
});
```

TODO LIST

|

OK

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
garbage
- ☐ More Todos

TODO LIST

OK

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
~~garbage~~
- ☐ More Todos

ALL

ACTIVE

COMPLETED

TODO LIST

|

OK

- ☐ Next Todo
- ☐ More Todos

ALL

ACTIVE

COMPLETED

TODO LIST

OK

- ☒ ~~My Todo~~
- ☒ ~~Walk the dog~~
- ☒ ~~Take out
garbage~~

ALL

ACTIVE

COMPLETED

TODO LIST

OK

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
~~garbage~~
- ☐ More Todos

ALL

ACTIVE

COMPLETED


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</form>
<ul id="list"></ul>
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```
<h1>TODO List</h1>
<form id="form">
  <input id="input" />
  <input type="submit" />
</form>
<ul id="list"></ul>
<div id="selection">
  <button>All</button>
  <button>Active</button>
  <button>Completed</button>
</div>
```

```
$(document).ready(function () {  
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        e.preventDefault();  
        $("#list").append("<li><input type='checkbox' />" +  
            input.val() + "</li>");  
        input.val("");  
    });  
    $(document.body).on("change", ":checkbox", function (e) {  
        var li = $(e.target).parent();  
        if (li.hasClass("done")) {  
            li.removeClass("done");  
        } else {  
            li.addClass("done");  
        }  
    });  
});
```

JavaScript

```
        li.addClass("done");  
    }  
});
```

```
});
```

```
        li.addClass("done");
    }
});
$("#selection").click(function (e) {
    var listItems = $("li").hide();
    var what = $(e.target).text();
    switch (what) {
        case "All":
            listItems.show();
            break;
        case "Active":
            listItems.not(".done").show();
            break;
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            listItems.filter(".done").show();
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        case "Completed":
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            break;
    }
});
});
```

TODO LIST

OK

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
~~garbage~~
- ☐ More Todos

ALL

ACTIVE

COMPLETED

TODO LIST

OK

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
~~garbage~~
- ☐ More Todos

ALL

ACTIVE

COMPLETED

Clear completed

TODO LIST

OK

- ☐ Next Todo
- ☐ More Todos

ALL

ACTIVE

COMPLETED

Clear completed

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            listItems.not(".done").show();  
            break;  
        case "Completed":  
            listItems.filter(".done").show();  
            break;  
    }  
});  
$("button#clear").click(function (e) {  
    $("li.done").remove();  
});  
});
```



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TODO LIST

OK

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
~~garbage~~
- ☐ More Todos

ALL

ACTIVE

COMPLETED

Clear completed

TODO LIST

OK

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
~~garbage~~
- ☐ More Todos

2 items left
3 items done

ALL

ACTIVE

COMPLETED

Clear completed

```
<h1>TODO List</h1>
<form id="form">
  <input type="text" id="input" />
  <input type="submit" />
</form>
<ul id="list"></ul>

<div id="selection">
  <button>All</button>
  <button>Active</button>
  <button>Completed</button>
</div>
<button id="clear">Clear completed</button>
```

```
<h1>TODO List</h1>
<form id="form">
  <input type="text" id="input" />
  <input type="submit" />
</form>
<ul id="list"></ul>
<span id="count"></span>
<div id="selection">
  <button>All</button>
  <button>Active</button>
  <button>Completed</button>
</div>
<button id="clear">Clear completed</button>
```

```
break;
```

```
}
```

```
});
```

```
$("#button#clear").click(function (e) {
```

```
    $("#li.done").remove();
```

```
});
```

JavaScript

```
});
```



```
        break;
    }
});
$("#button#clear").click(function (e) {
    $("#li.done").remove();
});
function updateItemCount () {
    var countDone = $("#li.done").length;
    var countLeft = $("#li:not(.done)").length;
    var textDone = countDone +
        (countDone == 1 ? " item" : " items") + " done";
    var textLeft = countLeft +
        (countLeft == 1 ? " item" : " items") + " left";
    $("#count").html(textLeft + "<br />" + textDone);
}

});
```

JavaScript

```
$(document).ready(function () {
    var input = $("#input")
    $("#form").on("submit", function (e) {
        e.preventDefault();
        $("#list").append("<li><input type='checkbox' />" +
            input.val() + "</li>");
        input.val("");
    });

    $(document.body).on("change", ":checkbox", function (e) {
        var li = $(e.target).parent();
        if (li.hasClass("done")) {
            li.removeClass("done");
        } else {
            li.addClass("done");
        }
    });

    $("#selection").click(function (e) {
        var listItems = $("li").hide();
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        switch (what) {
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            case "Completed":
                listItems.filter(".done").show();
                break;
        }
    });

    $("#button#clear").click(function (e) {
        $("li.done").remove();
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    function updateItemCount () {
        var countDone = $("li.done").length;
        var countLeft = $("li:not(.done)").length;
        var textDone = countDone +
            (countDone == 1 ? " item" : " items") + " done";
        var textLeft = countLeft +
            (countLeft == 1 ? " item" : " items") + " left";
        $("#count").html(textLeft + "<br />" + textDone);
    }

});
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JavaScript

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$(document).ready(function () {
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        input.val("");
        updateItemCount();
    });
    $(document.body).on("change", ":checkbox", function (e) {
        var li = $(e.target).parent();
        if (li.hasClass("done")) {
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        var countDone = $(".li.done").length;
        var countLeft = $(".li:not(.done)").length;
        var textDone = countDone +
            (countDone == 1 ? " item" : " items") + " done";
        var textLeft = countLeft +
            (countLeft == 1 ? " item" : " items") + " left";
        $("#count").html(textLeft + "<br />" + textDone);
    }
    updateItemCount();
});
```


TODO LIST

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
~~garbage~~
- ☐ More Todos

2 items left
3 items done

ALL

ACTIVE

COMPLETED

Clear completed

TODO LIST

|

OK

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
~~garbage~~
- ☐ More Todos

8 items left
5 items done

ALLACTIVECOMPLETED

Clear completed

TODO LIST

- ☐ Hello
- ☒ ~~From the~~
other side
- ☐ I was
- ☐ wondering
- ☐ If after all

8 items left
5 items done

ALL ACTIVE COMPLETED

Clear completed

TODO LIST

|

OK

- ☐ These years
- ☐ You'd like to
- ☒ ~~Meet again~~



3/3



8 items left
5 items done

ALL

ACTIVE

COMPLETED

Clear completed

TODO LIST

- ☐ Hello
- ☒ ~~From the~~
other side
- ☐ I was
- ☐ wondering
- ☐ If after all



2/3



8 items left
5 items done

ALL

ACTIVE

COMPLETED

Clear completed

TODO LIST

OK

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
~~garbage~~
- ☐ More Todos

8 items left
5 items done

ALLACTIVECOMPLETED

Clear completed

```
<h1>TODO List</h1>
<form id="form">
  <input type="text" id="input" />
  <input type="submit" />
</form>
<ul id="list"></ul>
<span id="count"></span>
<div id="selection">
  <button>All</button>
  <button>Active</button>
  <button>Completed</button>
</div>
<button id="clear">Clear completed</button>
```

```
<h1>TODO List</h1>
<form id="form">
  <input type="text" id="input" />
  <input type="submit" />
</form>
<ul id="list"></ul>
```

```
<span id="count"></span>
<div id="selection">
  <button>All</button>
  <button>Active</button>
  <button>Completed</button>
</div>
<button id="clear">Clear completed</button>
```



```
<h1>TODO List</h1>
<form id="form">
  <input type="text" id="input" />
  <input type="submit" />
</form>
<ul id="list"></ul>
<div id="pagination">
  <button id="prev" disabled>«</button>
  <span id="page-count"></span>
  <button id="next" disabled>»</button>
</div>
<span id="count"></span>
<div id="selection">
  <button>All</button>
  <button>Active</button>
  <button>Completed</button>
</div>
<button id="clear">Clear completed</button>
```

```
$(document).ready(function () {  
    var input = $("#input");  
    $("#form").on("submit", function (e) {  
        e.preventDefault();  
        $("#list").append("<li><input type='checkbox' />" +  
            input.val() + "</li>");  
        input.val("");  
        updateItemCount();  
    });  
    $(document.body).on("change", ":checkbox", function (e) {  
        var li = $(e.target).parent();  
        if (li.hasClass("done")) {  
            li.removeClass("done");  
        } else {  
            li.addClass("done");  
        }  
        updateItemCount();  
    });  
    $("#selection").click(function (e) {  
        var listItems = $("li").hide();  
        var what = $(e.target).text();  
        switch (what) {  
            case "All":  
                listItems.show();  
            }  
        }  
    });  
});
```

```
$(document).ready(function () {  
    var input = $("#input");  
  
    $("#form").on("submit", function (e) {  
        e.preventDefault();  
        $("#list").append("<li><input type='checkbox' />" +  
            input.val() + "</li>");  
        input.val("");  
        updateItemCount();  
    });  
    $(document.body).on("change", ":checkbox", function (e) {  
        var li = $(e.target).parent();  
        if (li.hasClass("done")) {  
            li.removeClass("done");  
        } else {  
            li.addClass("done");  
        }  
        updateItemCount();  
    });  
    $("#selection").click(function (e) {  
        var listItems = $("li").hide();  
        var what = $(e.target).text();  
        switch (what) {
```

```
$(document).ready(function () {
    var input = $("#input");
    var currentPage = 0;
    var maxItemsPerPage = 5;
    $("#form").on("submit", function (e) {
        e.preventDefault();
        $("#list").append("<li><input type='checkbox' />" +
            input.val() + "</li>");
        input.val("");
        updateItemCount();
    });
    $(document.body).on("change", ":checkbox", function (e) {
        var li = $(e.target).parent();
        if (li.hasClass("done")) {
            li.removeClass("done");
        } else {
            li.addClass("done");
        }
        updateItemCount();
    });
    $("#selection").click(function (e) {
        var listItems = $("li").hide();
        var what = $(e.target).text();
        switch (what) {
```

```
$(document).ready(function () {  
    var input = $("#input");  
    var currentPage = 0;  
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    $("#form").on("submit", function (e) {  
        e.preventDefault();  
        $("#list").append("<li><input type='checkbox' />" +  
            input.val() + "</li>");  
        input.val("");  
        updateItemCount();  
    });  
    $(document.body).on("change", ":checkbox", function (e) {  
        var li = $(e.target).parent();  
        if (li.hasClass("done")) {  
            li.removeClass("done");  
        } else {  
            li.addClass("done");  
        }  
        updateItemCount();  
    });  
    $("#selection").click(function (e) {  
        var listItems = $("li").hide();  
        var what = $(e.target).text();  
        switch (what) {  
            case "All":  
                listItems.show();  
                break;  
            case "Done":  
                listItems.filter(".done").show();  
                break;  
            case "Not Done":  
                listItems.filter(":not(.done)").show();  
                break;  
        }  
    });  
});
```

```
$(document).ready(function () {
    var input = $("#input");
    var currentPage = 0;
    var maxItemsPerPage = 5;
    $("#form").on("submit", function (e) {
        e.preventDefault();
        $("#list").append("<li><input type='checkbox' />" +
            input.val() + "</li>");
        input.val("");
        updateItemCount();
    });
    $(document.body).on("change", ":checkbox", function (e) {
        var li = $(e.target).parent();
        if (li.hasClass("done")) {
            li.removeClass("done");
        } else {
            li.addClass("done");
        }
        updateItemCount();
    });
    $("#selection").click(function (e) {
        var listItems = $("li").hide();
        var what = $(e.target).text();
        switch (what) {
```

JavaScript

```
        (countLeft == 1 ? item : items ) + " left",  
        $("#count").html(textLeft + "<br />" + textDone);  
    }  
    updateItemCount();  
});
```

JavaScript

```

    (countLeft == 1 ? item : items) + textLeft,
    $("#count").html(textLeft + "<br />" + textDone);
}
updateItemCount();

```

});


```
        (countLeft == 1 ? item : items) + textLeft,
        $("#count").html(textLeft + "<br />" + textDone);
    }
    updateItemCount();

    function updatePage(reset) {
        if (reset) {
            currentPage = 0;
        }
        var li = $("li"),
            start = currentPage * maxItemsPerPage,
            end = Math.min(start + maxItemsPerPage, li.length),
            pageTotal = Math.ceil(li.length / maxItemsPerPage) || 0;

        li.hide().slice(start, end).show();

        $("#prev")
            .attr("disabled", currentPage === 0);
        $("#next")
            .attr("disabled", pageTotal - 1 === currentPage);
        $("#page-count")
            .text((currentPage + 1) + " / " + pageTotal);
    }
});
```

```
        (countLeft == 1 ? item : items) + " left",
        $("#count").html(textLeft + "<br />" + textDone);
    }
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```

```
$( "#count" ).html( textLeft + " <br /> " + textDone );
}
updateItemCount();

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    if (reset) {
        currentPage = 0;
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    var li = $("li"),
    start = currentPage * maxItemsPerPage,
    end = Math.min(start + maxItemsPerPage, li.length),
    pageTotal = Math.ceil(li.length / maxItemsPerPage) | 0;

    li.hide().slice(start, end).show();

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}
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});
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        $("#prev")
            .attr("disabled", currentPage === 0);
        $("#next")
            .attr("disabled", pageTotal - 1 === currentPage);
        $("#page-count")
            .text((currentPage + 1) + " / " + pageTotal);
    }
    updatePage();

    $("#prev, #next").click(function (e) {
        if ($(this).attr("disabled")) return;
        if ($(this).attr("id") === "prev") {
            currentPage--;
        } else {
            currentPage++;
        }
        updatePage();
    });
});
```

```
end = Math.min(start + maxItemsPerPage, li.length);
pageTotal = Math.ceil(li.length / maxItemsPerPage) | 0;

li.hide().slice(start, end).show();

$("#prev")
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$("#next")
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}
updatePage();

$("#prev, #next").click(function (e) {
    if ($(this).attr("disabled")) return;
    if ($(this).attr("id") === "prev") {
        currentPage--;
    } else {
        currentPage++;
    }
    updatePage();
});
});
```

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$("#page-count")
.text((currentPage + 1) + " / " + pageTotal);
}
updatePage();

$("#prev, #next").click(function (e) {
    if ($(this).attr("disabled")) return;
    if ($(this).attr("id") === "prev") {
        currentPage--;
    } else {
        currentPage++;
    }
    updatePage();
});
});
```

```
end = Math.min(start + maxItemsPerPage, li.length);
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$("#prev")
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$("#next")
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$("#page-count")
.text((currentPage + 1) + " / " + pageTotal);
}
updatePage();

$("#prev, #next").click(function (e) {
    if ($(this).attr("disabled")) return;
    if ($(this).attr("id") === "prev") {
        currentPage--;
    } else {
        currentPage++;
    }
    updatePage();
});
});
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end = Math.min(start + maxItemsPerPage, li.length);
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        currentPage--;
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        currentPage++;
    }
    updatePage();
});
});
```



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end = Math.min(start + maxItemsPerPage, li.length);
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li.hide().slice(start, end).show();

$("#prev")
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.attr("disabled", pageTotal - 1 === currentPage);
$("#page-count")
.text((currentPage + 1) + " / " + pageTotal);
}
updatePage();

$("#prev, #next").click(function (e) {
    if ($(this).attr("disabled")) return;
    if ($(this).attr("id") === "prev") {
        currentPage--;
    } else {
        currentPage++;
    }
    updatePage();
});
});
```


TODO LIST

|

OK

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
~~garbage~~
- ☐ More Todos

8 items left
5 items done

ALLACTIVECOMPLETED

Clear completed

TODO LIST

- ☐ Hello
- ☒ ~~From the~~
other side
- ☐ I was
- ☐ wondering
- ☐ If after all

8 items left
5 items done

ALL ACTIVE COMPLETED

Clear completed

TODO LIST

|

OK

- ☐ These years
- ☐ You'd like to
- ☒ ~~Meet again~~



3/3



8 items left
5 items done

ALL

ACTIVE

COMPLETED

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TODO LIST

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ALL ACTIVE COMPLETED

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TODO LIST

|

OK

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
~~garbage~~
- ☐ More Todos

8 items left
5 items done

ALLACTIVECOMPLETED

Clear completed

TODO LIST

OK

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
~~garbage~~
- ☐ More Todos

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ALL

ACTIVE

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TODO LIST

|

OK

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
~~garbage~~
- ☐ More Todos

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5 items done

ALL

ACTIVE

COMPLETED

Clear completed

TODO LIST

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
~~garbage~~
- ☐ More Todos



1/3



8 items left
5 items done

ALL

ACTIVE

COMPLETED

Clear completed

TODO LIST

|

OK

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
~~garbage~~
- ☐ More Todos

8 items left
5 items done

ALLACTIVECOMPLETED

Clear completed

TODO LIST

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
~~garbage~~
- ☐ More Todos



1/3



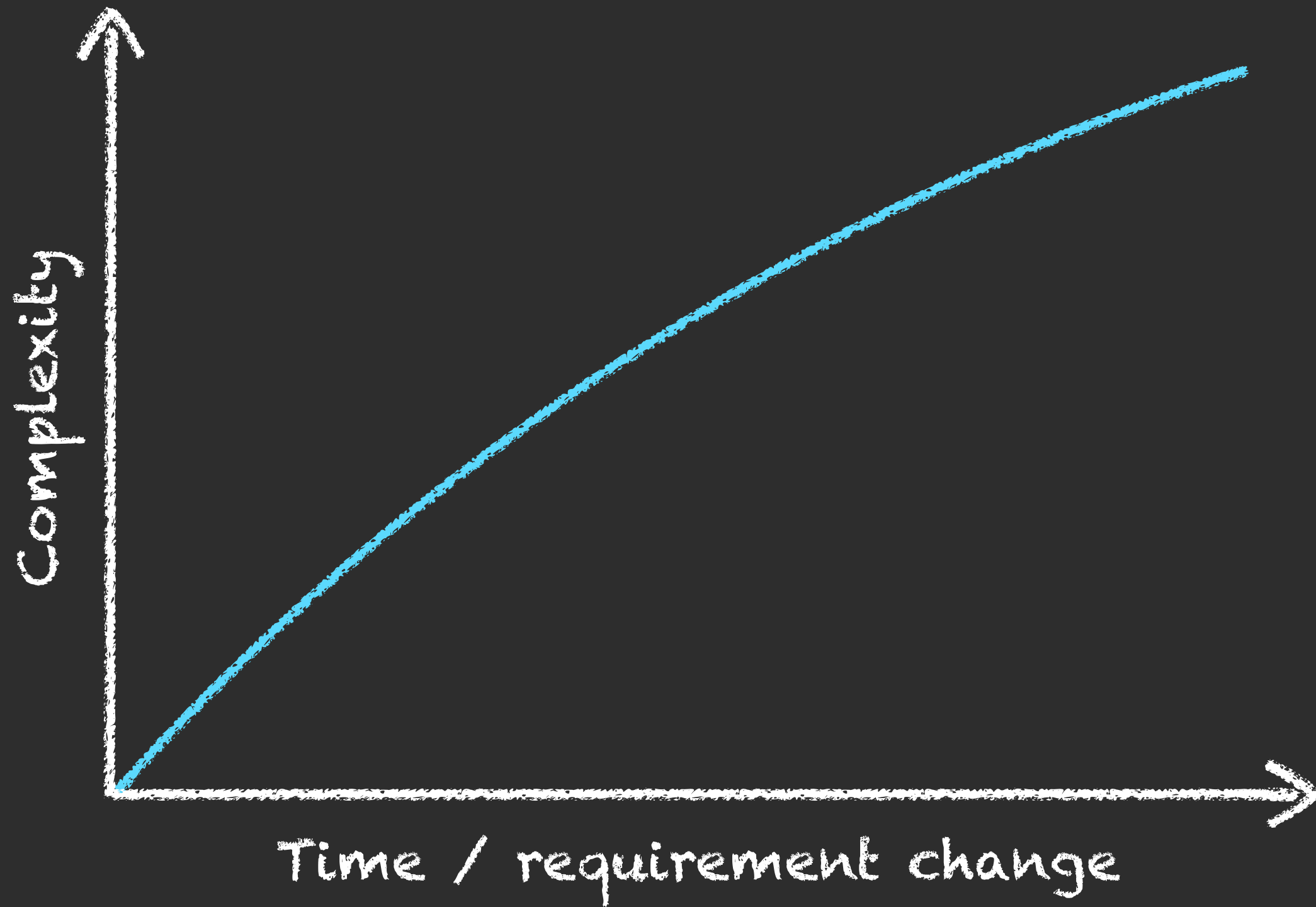
8 items left
5 items done

ALL

ACTIVE

COMPLETED

Clear completed



TODO LIST

|

OK

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
~~garbage~~
- ☐ More Todos

8 items left
5 items done

ALLACTIVECOMPLETED

Clear completed

```
[{
  "text": "My Todo",
  "done": true
}, {
  "text": "Next Todo",
  "done": false
}, {
  "text": "Walk the dog",
  "done": true
}, {
  "text": "Take out garbage",
  "done": true
}, {
  "text": "More Todos",
  "done": false
}]
```

8 items left
5 items done

TODO LIST

- ☒ ~~My Todo~~
- ☐ Next Todo
- ☒ ~~Walk the dog~~
- ☒ ~~Take out~~
garbage
- ☐ More Todos



1/3



ALL

ACTIVE

COMPLETED

Clear completed

2. Templating

3. React

TODO LIST

OK

TODO LIST

My Todo|

OK

TODO LIST

- My Todo

TODO LIST

Next Todo| **OK**

- My Todo

TODO LIST

- My Todo
- Next Todo

```
<div className="todo-app">
```

```
</div>
```

```
<div className="todo-app">  
  <h1>TODO List</h1>
```

```
</div>
```

```
<div className="todo-app">  
  <h1>TODO List</h1>  
  <form>  
  
    </form>  
  
</div>
```

```
<div className="todo-app">  
  <h1>TODO List</h1>  
  <form>  
    <input />  
  
  </form>  
  
</div>
```

```
<div className="todo-app">
  <h1>TODO List</h1>
  <form>
    <input />
    <input type="submit" />
  </form>

</div>
```

```
<div className="todo-app">
  <h1>TODO List</h1>
  <form>
    <input />
    <input type="submit" />
  </form>
  <TodoList />
</div>
```

```
<div className="todo-app">
  <h1>TODO List</h1>
  <form>
    <input />
    <input type="submit" />
  </form>
  <TodoList />
</div>
```



```
<div className="todo-app">
  <h1>TODO List</h1>
  <form>
    <input onChange={this.inputHandler} />
    <input type="submit" />
  </form>
  <TodoList />
</div>
```

```
inputHandler: function (e) {
```

```
}
```

```
<div className="todo-app">
```

```
  <h1>TODO List</h1>
```

```
  <form>
```

```
    <input onChange={this.inputHandler} />
```

```
    <input type="submit" />
```

```
  </form>
```

```
  <TodoList />
```

```
</div>
```

```
inputHandler: function (e) {  
  
    e.target.value  
  
}
```

```
<div className="todo-app">  
  <h1>TODO List</h1>  
  <form>  
    <input onChange={this.inputHandler} />  
    <input type="submit" />  
  </form>  
  <TodoList />  
</div>
```

```
inputHandler: function (e) {  
  this.setState({  
    inputText: e.target.value  
  });  
}
```

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<div className="todo-app">  
  <h1>TODO List</h1>  
  <form>  
    <input value={this.state.inputText}  
      onChange={this.inputHandler} />  
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  </form>  
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</div>
```

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getInitialState: function () {  
  
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    <input type="submit" />  
  </form>  
  <TodoList />  
</div>
```

```
getInitialState: function () {  
  return {  
    inputText: ""  
  };  
}  
inputHandler: function (e) {  
  this.setState({  
    inputText: e.target.value  
  });  
}
```

```
<div className="todo-app">  
  <h1>TODO List</h1>  
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    <input value={this.state.inputText}  
      onChange={this.inputHandler} />  
    <input type="submit" />  
  </form>  
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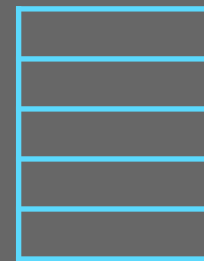


```
var TodoApp = React.createClass({
  getInitialState: function () {
    return {
      inputText: ""
    };
  },
  inputHandler: function (e) {
    this.setState({
      inputText: e.target.value
    });
  },
  render: function () {
    return (
      <div className="todo-app">
        <h1>TODO List</h1>
        <form>
          <input value={this.state.inputText}
            onChange={this.inputHandler} />
          <input type="submit" />
        </form>
        <TodoList />
      </div>
    );
  }
});
```

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  getInitialState: function () {
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    };
  },
  inputHandler: function (e) {
    this.setState({
      inputText: e.target.value
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  render: function () {
    return (
      <div className="todo-app">
        <h1>TODO List</h1>
        <form>
          <input value={this.state.inputText}
            onChange={this.inputHandler} />
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        </form>
        <TodoList />
      </div>
    );
  }
});
```

React Component

React Component



state

```
var TodoApp = React.createClass({
  getInitialState: function () {
    return {
      inputText: ""
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  inputHandler: function (e) {
    this.setState({
      inputText: e.target.value
    });
  },
  render: function () {
    return (
      <div className="todo-app">
        <h1>TODO List</h1>
        <form>
          <input value={this.state.inputText}
            onChange={this.inputHandler} />
          <input type="submit" />
        </form>
        <TodoList />
      </div>
    );
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});
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  getInitialState: function () {
    return {
      inputText: ""
    };
  },
  inputHandler: function (e) {
    this.setState({
      inputText: e.target.value
    });
  },
  render: function () {
    return (
      <div className="todo-app">
        <h1>TODO List</h1>
        <form onSubmit={this.handleSubmit}>
          <input value={this.state.inputText}
            onChange={this.inputHandler} />
          <input type="submit" />
        </form>
        <TodoList />
      </div>
    );
  }
});
```

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var TodoApp = React.createClass({
  getInitialState: function () {
    return {
      inputText: ""
    };
  },
  inputHandler: function (e) {
    this.setState({
      inputText: e.target.value
    });
  },
  submitHandler: function (e) {

  },
  render: function () {
    return (
      <div className="todo-app">
        <h1>TODO List</h1>
        <form onSubmit={this.submitHandler}>
          <input value={this.state.inputText}
            onChange={this.inputHandler} />
          <input type="submit" />
        </form>
        <TodoList />
      </div>
    );
  }
});
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  getInitialState: function () {
    return {
      inputText: ""
    };
  },
  inputHandler: function (e) {
    this.setState({
      inputText: e.target.value
    });
  },
  submitHandler: function (e) {
    e.preventDefault();
  },
  render: function () {
    return (
      <div className="todo-app">
        <h1>TODO List</h1>
        <form onSubmit={this.submitHandler}>
          <input value={this.state.inputText}
            onChange={this.inputHandler} />
          <input type="submit" />
        </form>
        <TodoList />
      </div>
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      inputText: e.target.value
    });
  },
  submitHandler: function (e) {
    e.preventDefault();
  },
  render: function () {
    return (
      <div className="todo-app">
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        <form onSubmit={this.submitHandler}>
          <input value={this.state.inputText}
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  getInitialState: function () {
    return {
      inputText: ""
    };
  },
  inputHandler: function (e) {
    this.setState({
      inputText: e.target.value
    });
  },
  submitHandler: function (e) {
    e.preventDefault();
    this.createTodo(this.state.inputText, false);
  },
  render: function () {
    return (
      <div className="todo-app">
        <h1>TODO List</h1>
        <form onSubmit={this.submitHandler}>
          <input value={this.state.inputText}
            onChange={this.inputHandler} />
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  getInitialState: function () {
    return {
      inputText: ""
    };
  },
  inputHandler: function (e) {
    this.setState({
      inputText: e.target.value
    });
  },
  submitHandler: function (e) {
    e.preventDefault();
    this.createTodo(this.state.inputText, false);
    this.setState({
      inputText: ""
    });
  },
  render: function () {
    return (
      <div className="todo-app">
        <h1>TODO List</h1>
        <form onSubmit={this.submitHandler}>
          <input value={this.state.inputText}
            onChange={this.inputHandler} />
          <input type="submit" />
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        <TodoList />
      </div>
    );
  }
});
```

```
var TodoApp = React.createClass({
  getInitialState: function () {
    return {
      inputText: ""
    };
  },
  inputHandler: function (e) {
    this.setState({
      inputText: e.target.value
    });
  },
  submitHandler: function (e) {
    e.preventDefault();
    this.createTodo(this.state.inputText, false);
    this.setState({
      inputText: ""
    });
  },
  createTodo: function (todoText, done) {

  },
  render: function () {
```

```
var TodoApp = React.createClass({
  getInitialState: function () {
    return {
      items: [],
      inputText: ""
    };
  },
  inputHandler: function (e) {
    this.setState({
      inputText: e.target.value
    });
  },
  submitHandler: function (e) {
    e.preventDefault();
    this.createTodo(this.state.inputText, false);
    this.setState({
      inputText: ""
    });
  },
  createTodo: function (todoText, done) {
    var items = this.state.items.slice();
    items.push({
      text: todoText,
      done: !!done
    });
    this.setState({
      items: items
    });
  },

```

Using React



Using React



Using React



NETFLIX



Using React



NETFLIX



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BBC

Periscope

Uber

Arte

Twitter Fabric

IMDb

Dropbox

Yahoo

New York Times

Reddit

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