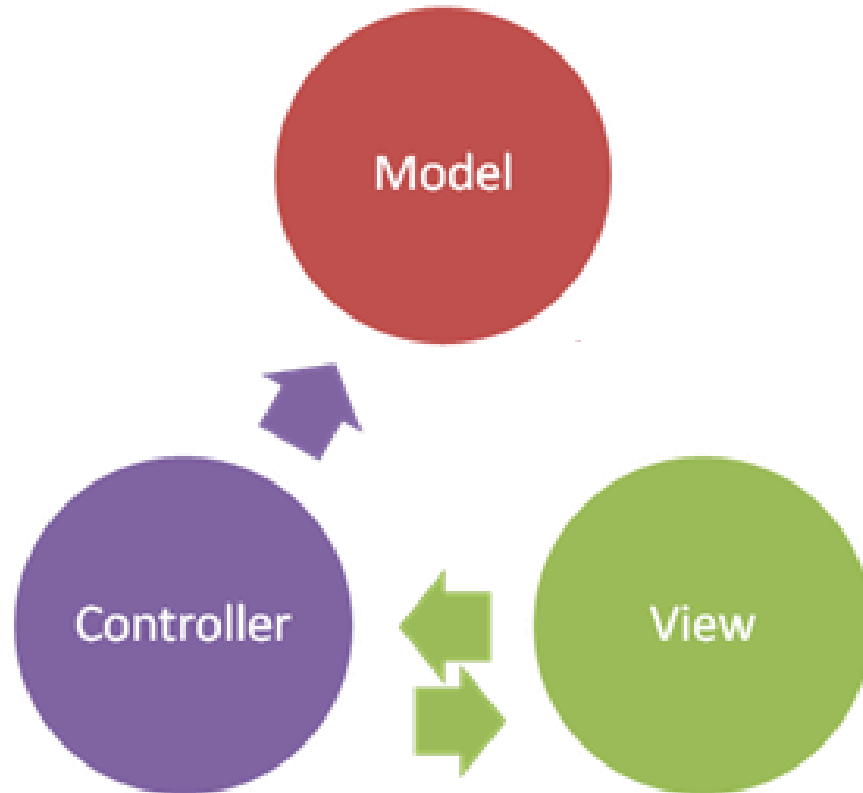
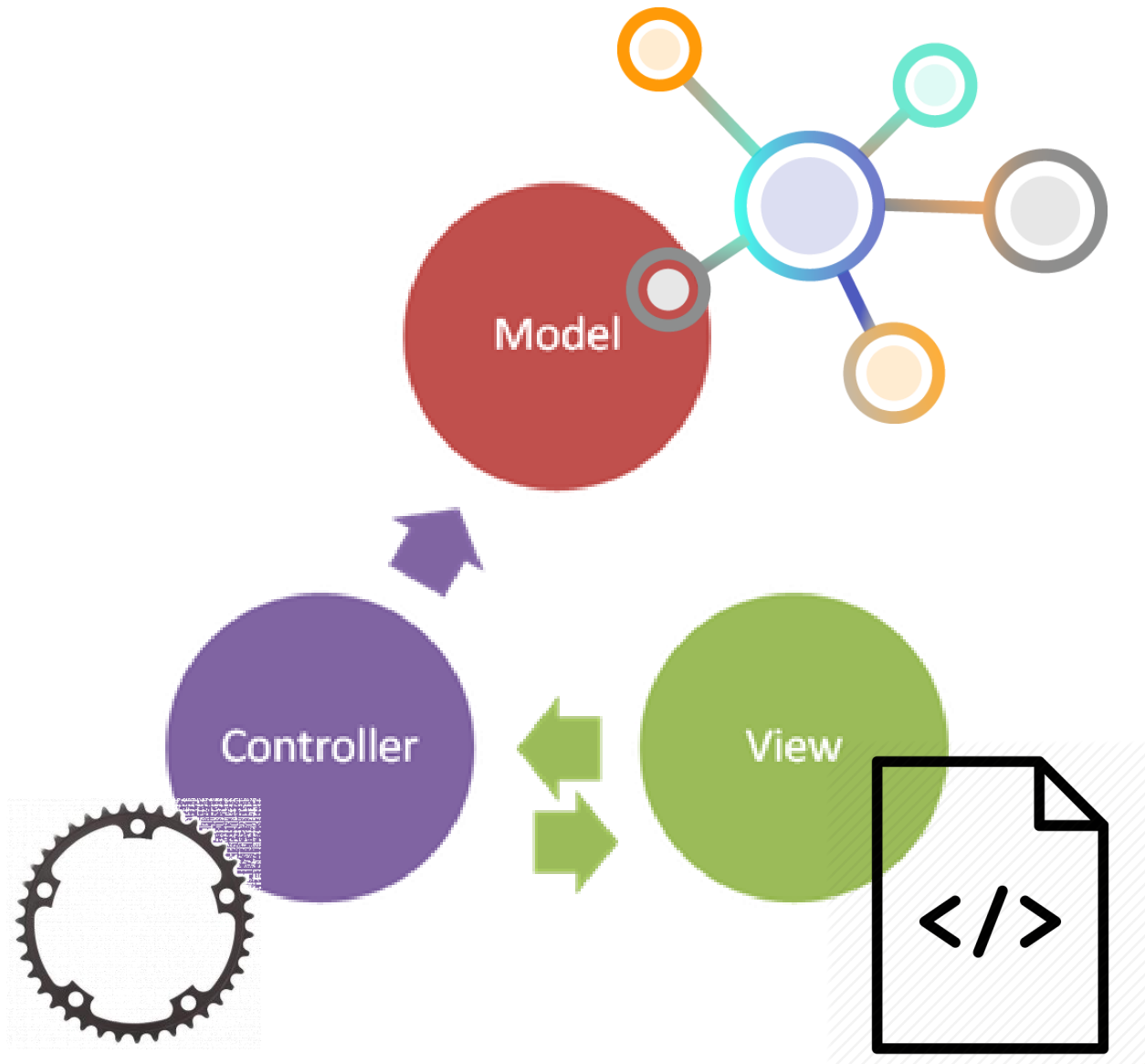


MVC



MVC



Let's code a Todo-App with MVC in mind

The screenshot shows a web application interface for a todo list. It has a light blue header with the title 'Filter' and a dropdown menu currently set to 'All Todos you have'. Below this is a list of three todos: 'Master CSS', 'Learn HTML', and 'Become JS Ninja'. Each todo has a small square button with an 'x' icon to its right for deletion. At the bottom of the list is a text input field labeled 'Add Someting' and an 'Add' button. A grey summary bar at the bottom of the interface displays 'Total Todos: 3 Active: 2'.

Filter

All Todos you have ▾

- Master CSS x
- Learn HTML x
- Become JS Ninja x

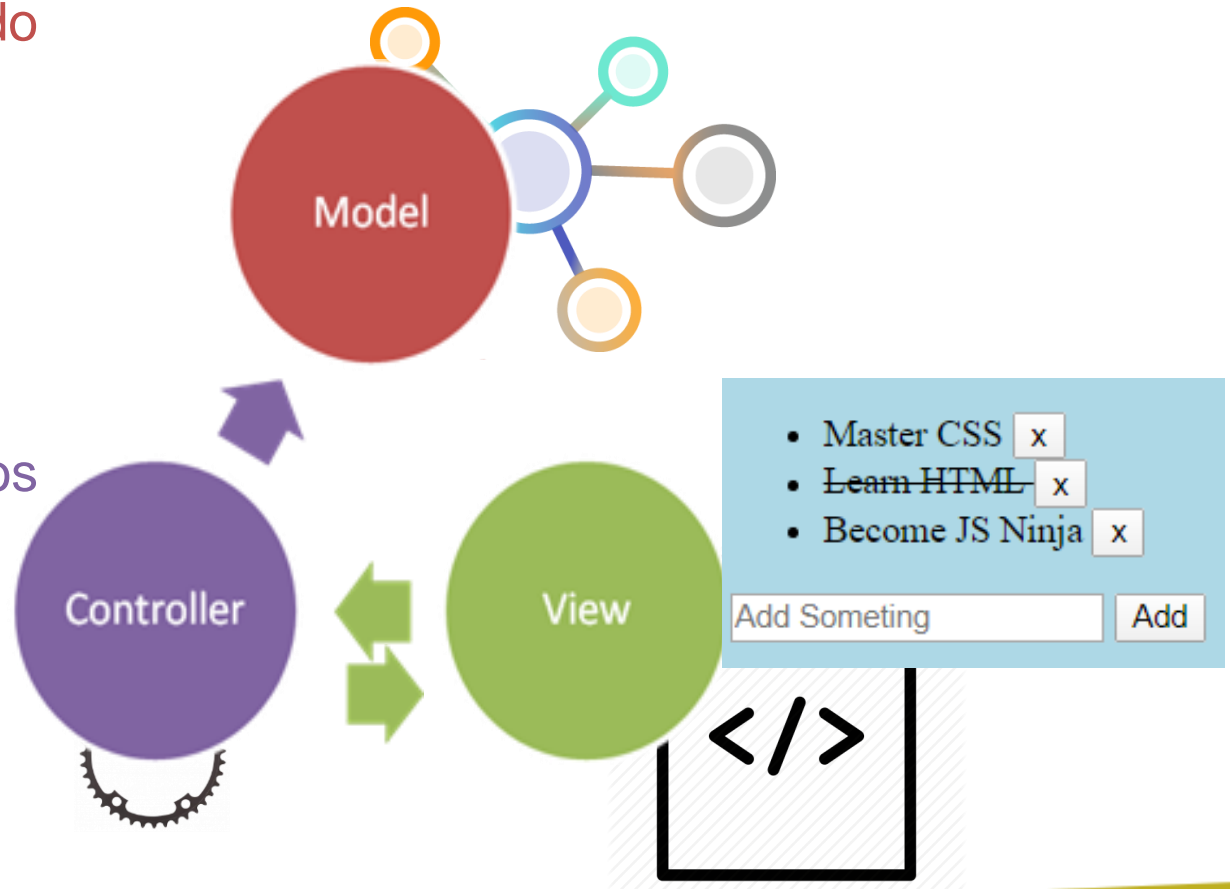
Add Someting Add

Total Todos: 3 Active: 2

Todo App Plan

- `getTodosForDisplay`
- `addTodo`
- `removeTodo`
- `toggleTodo`

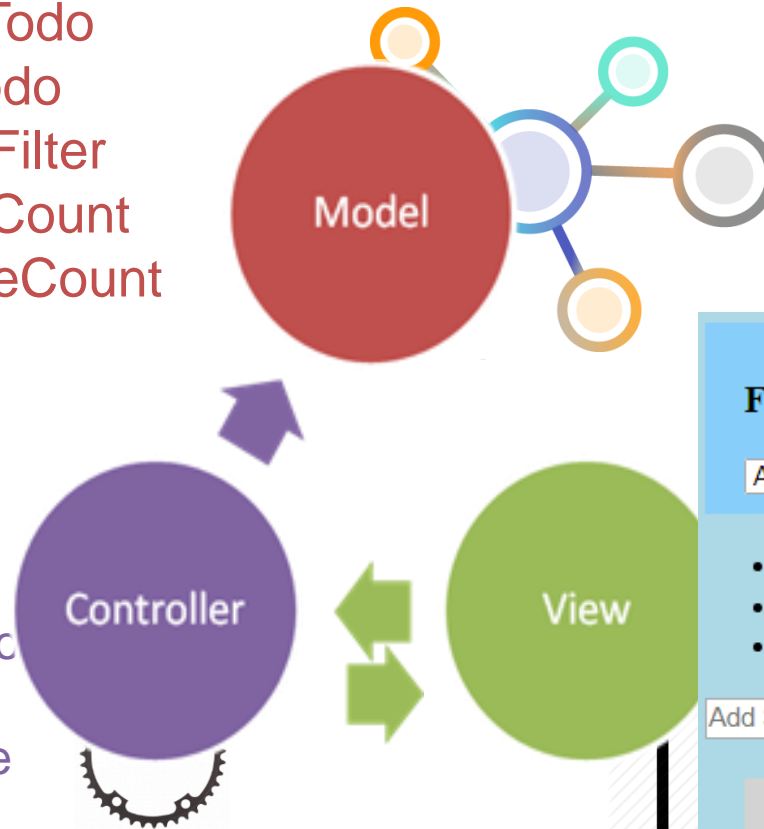
- `onInit -> renderTodos`
- `onAddTodo`
- `onRemoveTodo`
- `onToggleTodo`



Todo App - MVC

1. `_createTodos, _createTodo`
2. `getTodosForDisplay`
3. `addTodo`
4. `removeTodo`
5. `toggleTodo`
6. `setTodoFilter`
7. `getTotalCount`
8. `getActiveCount`

1. `renderTodos`
2. `onInit`
3. `onAddTodo`
4. `onRemoveTodo`
5. `onToggleTodo`
6. `onFilterChange`



Filter

All Todos you have ▾

- Master CSS ☒
- Learn HTML ☒
- Become JS Ninja ☒

Add Something

Total Todos: **3** Active: **2**

the controller



onInit
renderTodos
onAddTodo
onRemoveTodo
onToggleTodo
onFilterChange

Using localStorage

Lets build a storage-service:

```
function loadFromStorage(key) {  
    var json = localStorage.getItem(key)  
    var value = JSON.parse(json)  
    return value;  
}
```

```
function saveToStorage(key, value) {  
    var json = JSON.stringify(value);  
    localStorage.setItem(key, json)  
}
```

event.stopPropagation()

Let's understand event propagation

```
<div class="box" oncontextmenu="alert('Box!')">  
  <div class="monster"  
    oncontextmenu="event.stopPropagation();  
                    event.preventDefault();  
                    alert('Aya');"  
  >  
</div>  
</div>
```


MVC

