



# Agenda

- Author mode overview
- Creating your own author actions
- Actions at the right time, in the right place
- Sharing author actions between frameworks



# Author mode overview

- Context, content, and structure

# Author mode overview

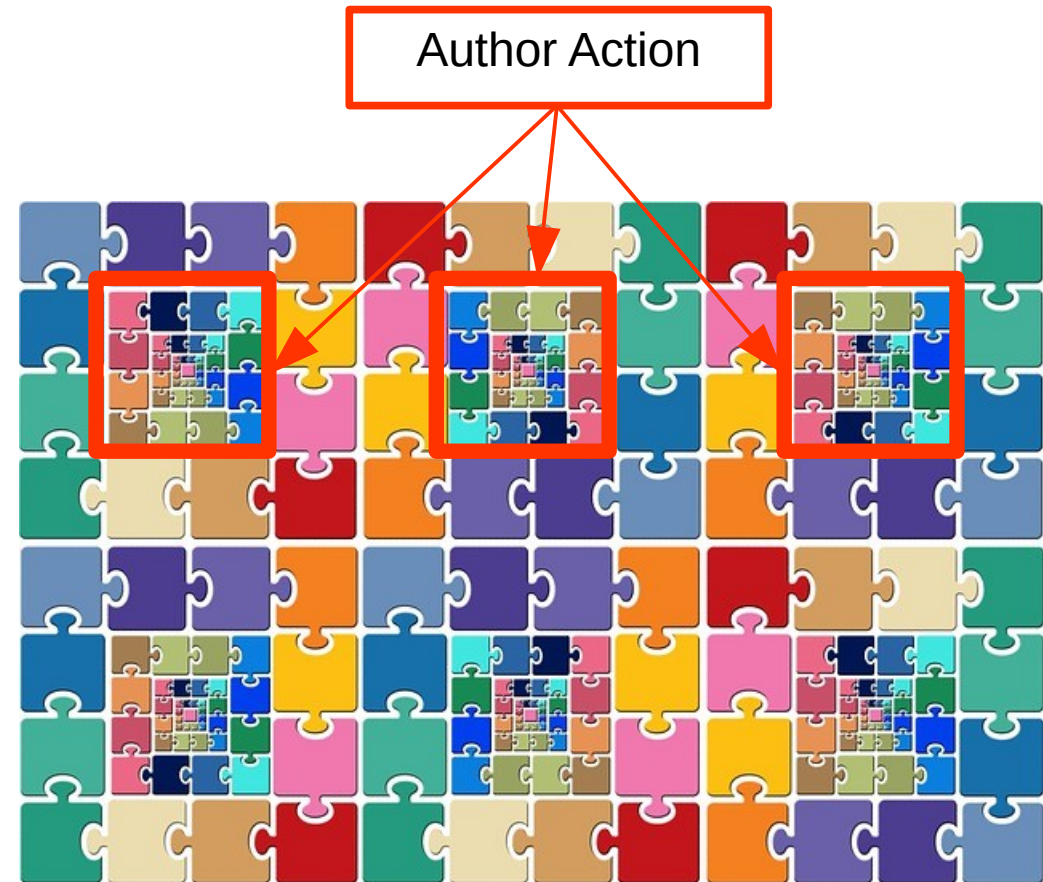
- Context
- Content
- **Structure**
  - Content completion
  - Elements view
  - Author actions

# Author action

Possible elements



Author Action



# Create an action

- It is just a configuration
- Based on Xpath and various operations (*insert an XML fragment, change an attribute*)
- *Demo: create an action to insert a customized example section*

```
<example>  
  <title></title>  
  <codeblock></codeblock>  
</example>
```



# Default operations

- **ChangeAttributeOperation**
  - *add/modify/remove an attribute*
- **InsertFragmentOperation**
  - *inserts an XML fragment at the current cursor position.*
- **DeleteElementOperation**
  - *deletes the node indicated by the elementLocation parameter*
- **MoveElementOperation**
  - *flexible operation for moving an XML element to another location from the same document.*



# Actions in the right place

- Toolbar
- Menus
- Content completion
  - *[Use case]* – replace the “example” element with our action
- Document
  - *Demo: bind an action (add list item)*
  - *Demo: bind a group of actions (paragraph structure)*

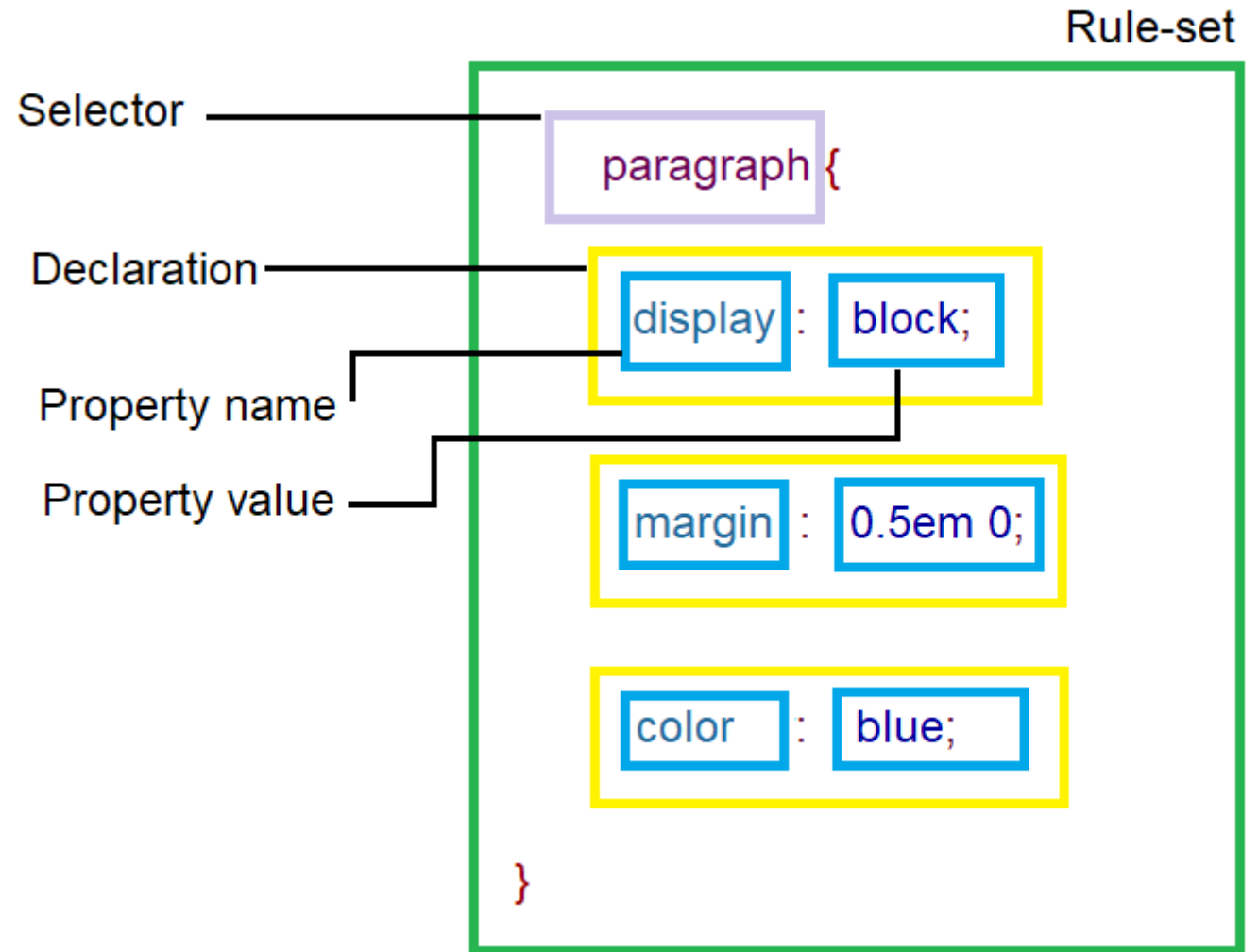




# Author mode

- CSS rules driven

```
paragraph {  
  display: block;  
  margin: 0.5em 0;  
  color: blue;  
}
```



# Author mode

- CSS rules

```
paragraph {  
  display: block;  
  margin: 0.5em 0;  
  color: blue;  
}
```

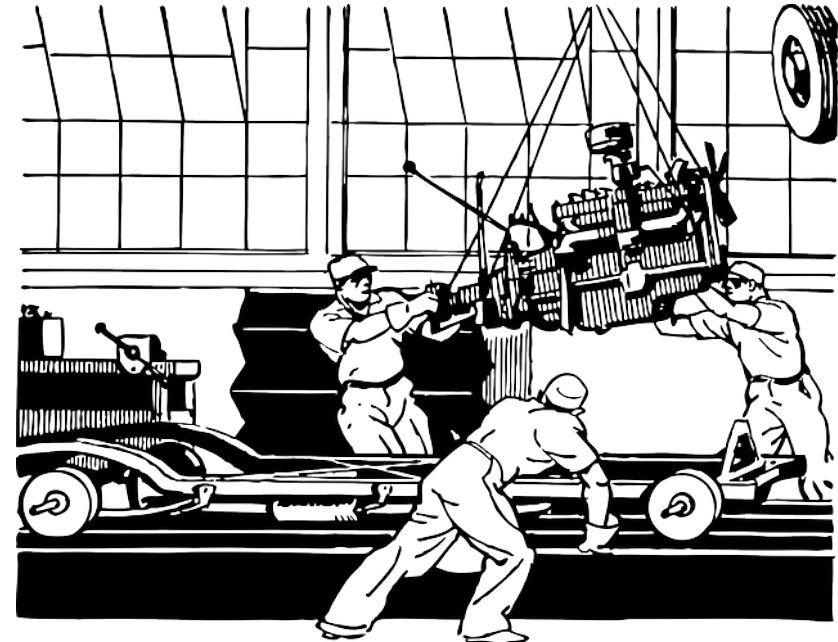
- {less} mixins

```
.paragraph() {  
  display : block;  
  margin: 0.5em 0;  
}
```

```
paragraph {  
  .paragraph();  
}  
  
step {  
  .paragraph();  
}
```

# What if the default operations are not enough?

- Chain multiple actions by using a special operation (*ExecuteMultipleActionsOperation*)
  - *[Use case - Fixup image]: set @placement="break" and insert an "alt" element on an image*



# Default operations

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# What if the default operations are not enough?

- Chain them together using a special operation (*ExecuteMultipleActionsOperation*)
  - Demo: *create an action to change an attribute and insert a fragment*
- Use scripting languages to implement custom use case
  - XSLT (*XSLTOperation*)
    - *Demo: Convert a DL to a TABLE*
  - XQuery (*XqueryOperation*) or XQuery Update (*XQueryUpdateOperation*)
    - *Demo: Convert a TABLE to DL*
  - Javascript (*JSOperation*)

# Building and sharing

- Graphical UI
- External files
  - *Demo: An action to insert a customized section*
  - *Export existing actions*



# THANK YOU!

## Questions?

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