

Authoring experience

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Agenda

- Document templates customization
- Custom form controls (Javascript)
- Changing the document through Javascript & XQuery Update actions

Guided authoring

- Focus on fixing
 - Schematron business rules
 - Schematron Quick Fixes (SQF)
- Focus on preventing
 - Inline actions
 - Contextual hints

Templates



"Moderate"
business letter



"Modern"
business letter



mediawiki



CV



Resume



Businesscard-
with-logo

Templates and Hints (1)

- Hints can be specified in the CSS

```
title {  
  -oxy-placeholder-content:"The title is very important!";  
}
```

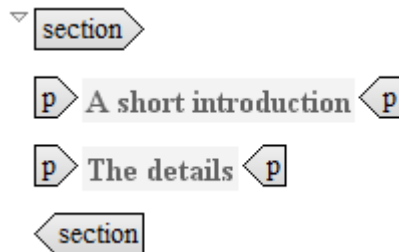
Templates and Hints (1)

- Hints can be specified in the CSS

```
shortdesc {  
  -oxy-placeholder-content:"A short overview of the topic."  
}
```

- Disadvantages

- An additional CSS is required together with the template
- Can be difficult to specify context sensitive messages



Templates and Hints (2)

- Hints specified as Processing Instructions

```
<section>
  <title><?oxy-placeholder content="First title"?></title>
  <p><?oxy-placeholder content="First section's content"?></p>
</section>
<section>
  <title><?oxy-placeholder content="Second title"?></title>
  <p><?oxy-placeholder content="Second section's content"?></p>
</section>
```

Templates and Hints (2)

- Hints specified as Processing Instructions

```
<section>
  <title><?oxy-placeholder content="First title"?></title>
  <p><?oxy-placeholder content="First section's content"?></p>
</section>
<section>
  <title><?oxy-placeholder content="Second title"?></title>
  <p><?oxy-placeholder content="Second section's content"?
></p>
</section>
```

- Controlling the hints' styling

```
p:oxy-placeholder:empty {
  color: rgb(0, 50, 255);
}
```


Form controls

- Built-in form controls

- Text field
- Combo boxes
- etc.

```
elementName {  
  content: oxy_combobox(  
    edit, '@attribute',  
    values, 'one, two, three')}
```

- Custom ones (Java-based API)

- HTML + Javascript (JavaFX Web Browser)

Google maps form control (1)

- A Java part
 - a JavaFx Web Browser
 - Oxygen's form controls API
 - Javascript → Java bridge
- An HTML part
- A Javascript part
 - It can update the document through the Javascript→Java bridge

Google maps form control (1)

- A Java part
 - a JavaFx Web Browser
 - Oxygen's form controls API
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- An HTML part
- A Javascript part
 - It can update the document through the Javascript→Java bridge

<https://github.com/AlexJitianu/oXygen-XML-map-form-control>

Google maps form control (2)

- It is bound from the CSS:

```
address:-oxy-edit-gps:before(4) {  
  content: oxy_editor(  
    saHeavyFormControlClassName ,  
    "com.oxygenxml.samples.jfx.GoogleMapFormControl");  
}
```

https://raw.githubusercontent.com/AlexJitianu/oXygen-XML-map-form-control/master/build/update_site.xml

XQuery Update author action

- The challenge:
 - Set an attribute on multiple elements
- Why is it a challenge?
 - *ChangeAttributeOperation* operates on a single element

Javascript author action

- The challenge: Copy an address

<address

lat="36.46017824849352"

lng="25.372959673404694"> Nik. Nomikou, Oía 847 02, Greece</address>

Address: Nik. Nomikou, Oía 847 02, Greece

Latitude: 36.46017824849352

Longitude: 25.372959673404694

Thank you!

Questions?

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