

Techniques for Customizing the WebHelp Responsive Output

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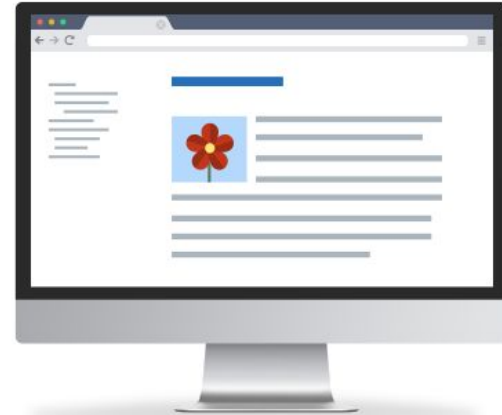
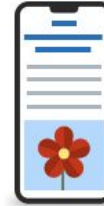


Goal

- Create a Publishing Template
- Configure the publishing process and the output via transformation parameters
- Customize the output styles via CSS
- Insert custom content and reference additional resources using HTML Fragments
- Change the default structure (rearrange components) of the HTML output files using XSLT Extensions

WebHelp Responsive

- Online help format
- Responsive layout - adapts to any screen size
- Extensible & customizable
- Can be deployed:
 - On the local file system - offline help
 - On an HTTP server - online help



Output HTML pages

- Main page
- Topic pages
- Search results page
- Index terms page

The screenshot shows the main page of the 'Growing Flowers' website. The search bar contains the word 'flowers'. Below the search bar, there are three tabs: 'flowers', 'chrysanthemums', and 'salvia'. The 'flowers' tab is selected, showing a list of search results. The results are organized into sections: '1. Flowers by Season', '2. Winter Flowers', '3. Spring Flowers', '4. Summer Flowers', and '5. Autumn Flowers'. Each section has a brief description and a link to the corresponding page. The page is generated by 'oxygen' XML WebHelp.

The screenshot shows the 'Gardenia' topic page. The page has a blue header with the 'Growing Flowers' logo and navigation links: 'Introduction', 'Care and Preparation', 'Flowers by Season', 'Glossary', and 'Copyright'. The main content area is divided into three columns: 'Care and Preparation', 'Flowers by Season', and 'Glossary'. The 'Care and Preparation' section contains the text: 'When caring for your flower garden you want to feed your plants properly, control pests and weeds.' The 'Flowers by Season' section contains the text: 'Flowers and seasons are intimately bound to each other. Most of the flowers are season-specific.' The 'Glossary' section contains the text: 'Definitions of the most commonly used gardening terms.'

The screenshot shows the 'Gardenia' topic page in more detail. The page has a blue header with the 'Growing Flowers' logo and navigation links: 'Introduction', 'Care and Preparation', 'Flowers by Season', 'Glossary', and 'Copyright'. The main content area is divided into three columns: 'Care and Preparation', 'Flowers by Season', and 'Glossary'. The 'Care and Preparation' section contains the text: 'When caring for your flower garden you want to feed your plants properly, control pests and weeds.' The 'Flowers by Season' section contains the text: 'Flowers and seasons are intimately bound to each other. Most of the flowers are season-specific.' The 'Glossary' section contains the text: 'Definitions of the most commonly used gardening terms.'



The genus was named by Carl Linnaeus after Dr. Alexander Garden (1730-1791), a Scottish-born American naturalist. They are evergreen shrubs and small trees growing to 1-15 metres (3.3-49 ft) tall. The leaves are opposite or in whorls of three or four, 5-50 centimetres (2.0-20 in) long and 3-25 centimetres (1.2-9.8 in) broad, dark green and glossy with a leathery texture. The flowers are solitary or in small clusters, white, or pale yellow, with a tubular-based corolla with 5-12 lobes (petals) from 5-12 centimetres (2.0-4.7 in) diameter. Flowering is from about mid-spring to mid-summer and many species are strongly scented.

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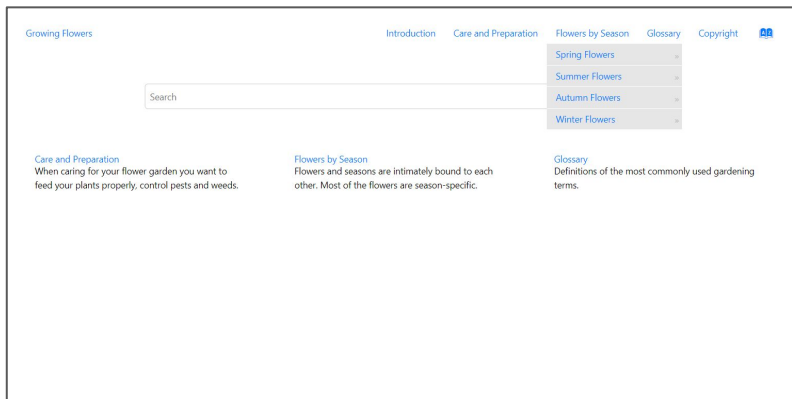
Generating the output

- Oxygen XML Editor / Author - manual process
- Command line - automated process
 - Oxygen Publishing Engine
 - WebHelp Responsive Plugin

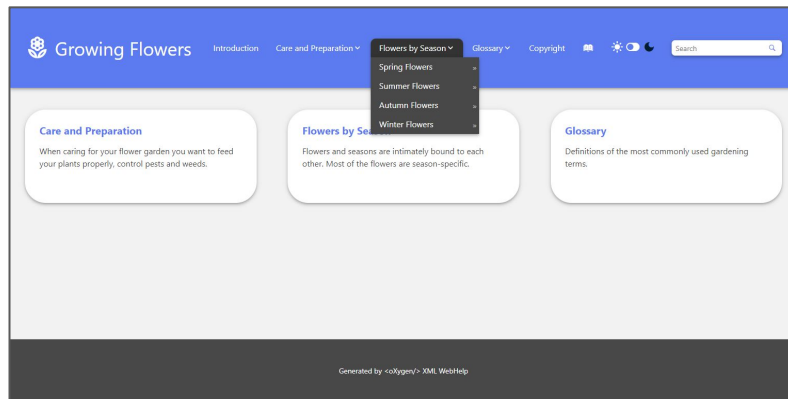


Customizing the output

- Configure transformation parameters
- Change layout and styling using CSS
- Add additional resources (such as images and fonts)
- Extend the default processing using XSLT extension points



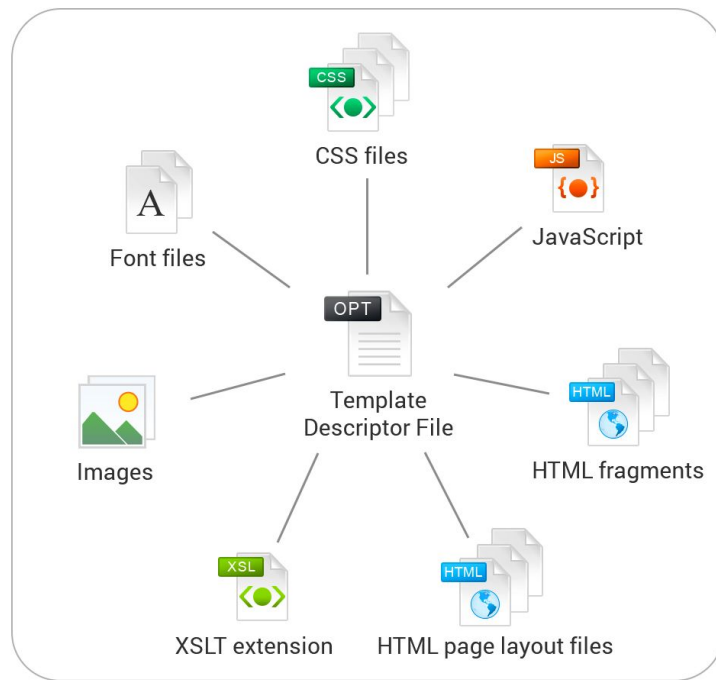
Basic



Customized

Publishing Template

- Self contained customization package
- **Template Descriptor File** - defines all the resources included in a template
- **Template resources** - *CSS and JavaScript files, graphics, fonts*
- Transformation parameters
- **XSLT Extension Points** - allow changing the structure of the HTML pages
- **HTML Fragment Extension Points** - can be used to insert custom HTML content in the output
- **HTML Page Layout Files** - define the default layout of the generated pages



Oxygen Publishing Template Package

Creating a Publishing Template

- From scratch
- From an existing template
 - Export action available in Oxygen XML Editor / Author
- Using Oxygen Style Basket
 - Online visual customization tool
 - <https://styles.oxygenxml.com/>

Configuring Transformation Parameters

- Dedicated section in the Descriptor file
- Control the transformation process
- Control the output
 - Add custom logo and favicon
 - Show / hide components:
 - Configure components
 - Configure various aspects of the topic content:
 - Configure built-in search engine
 - Replace built-in search engine with a custom one
 - Configure generated site-map

CSS styling

- Create the custom CSS file
- Reference the CSS in the Publishing Template Descriptor file
- Use CSS Inspector to identify
 - The elements that need to be styled
 - The CSS rules that need to be overridden

Inserting Custom HTML Content

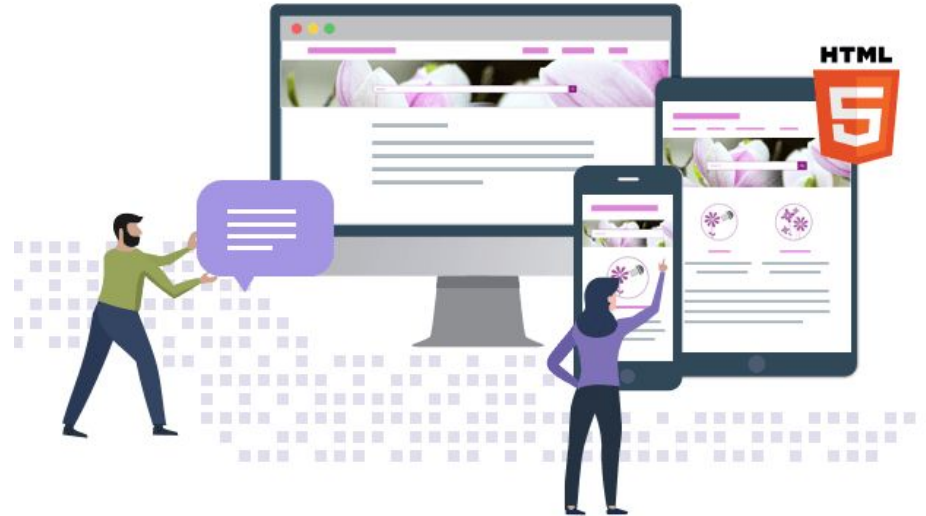
- HTML Fragments
- WebHelp Macros
- Referencing the HTML fragment using a Publishing Template
- Reference custom resources in the output pages

Changing the structure of the HTML pages

- XSLT Extension Points
 - Extend the default processing
 - Available for all page types
- HTML Layout files
 - Define the default layout of the generated pages
 - Not recommended customization option
- Change the output structure
- Update the layout - rearrange existing components
- Add new elements

Conclusion

- WebHelp Responsive output is extensible and customizable
- Customization scenarios
 - Implement branding styles and layout
 - Add new functionality
 - Rearrange components
- Customization package
 - Self-contained
 - Can be shared with others



THANK YOU!

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