
Course Title: XPP (9.4/9.5) CSS Style Development

Variations on course: For XPP 9.2 or XPP 9.3 users specific course materials will be delivered.

Learning Objectives: You will learn best practices for developing CSS style sheets for XPP.

Topics covered include:

- Overview of XML
- Overview of XPP concepts
- How to use CSS with XPP
- Hands-on exercises.

Key Benefits: This course allows developers creating XPP styles to leverage the industry standard CSS style development language while harnessing the power and unique capabilities XPP provides to produce automated, high typographic quality content deliverables.

Target Audience: This course is for:

- Style Developers.

Prerequisites: The prerequisites for this course are:

- SDL XPP Fundamentals or equivalent understanding of the XPP environment
- Familiarity with XML or structured markup
- Basic style, typesetting and page composition concepts
- Knowledge of the requirements for the publications/deliverables you need to produce.

Further benefits will accrue to those who have experience with XML markup, CSS, Perl, and/or experience as an operator or style developer for “classic” (that is, non-XML) or non-CSS (that is, traditional XML) XPP.

CSS styling was introduced with XPP 9.0 and has been enhanced in subsequent version releases as outlined in the XPP Release Notes. This course was developed with XPP 9.4 and is also applicable for XPP 9.5 since no additional CSS changes were made in that version release.

If you are still using XPP 9.2 or XPP 9.3, please contact us to obtain instructions for accessing the XPP CSS course which was developed for your specific version release.

Course Delivery Mode: This course is available in an eLearning delivery mode and is accessed via the RWS University online learning portal. The self-paced, on-demand course will take an estimated 11 hours to complete. You should allow up to a further 8 hours to complete the practical tasks. The eLearning format

enables the learner to bookmark their place in the course and restart when ready. Once the course has been taken the learner can go back to any of the modules.

Further Information: For further information please contact us at learn@rws.com

Course Outline

Module 1: Before you start

- Downloading and installing the course material

Module 2: Setting up your working environment

- Setting up an example working environment
- Using other editors
- Setting up a Perl validation tool in Notepad++

Module 3: Introduction to XML

- XML naming conventions and best practices
- Elements, attributes and XML structure

Module 4: Introduction to CSS for XPP

- The structure of CSS stylesheets
- Learning about selectors
- Learning about properties

Module 5: Course results preview

- Reviewing the XML structure
- Reviewing the delivered JOBs and finished XPP publication

Module 6: Introduction to page layout and typographic terms

- Basic page layout terms and descriptions
- Common terms such as: units, leading, etc.
- Unicode character set
- Fonts

Module 7: Applying basic styling

- Setting basic CSS properties
- Exercises: beginning the sample job

Module 8: Inheritance, multiple rules and default values

- Inheritance, specificity and multiple rules
- Default values
- Exercises: reviewing the CSS for inheritance

Module 9: Applying basic page sequences and layouts

- Page sequence and page layouts
- Exercises: adding page sequences and layouts

Module 10: Advanced selectors and their uses

- Pseudo element selectors

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- Outputting fixed content
 - Calling XPP macros
 - Calling a XyPerl function
 - Outputting text via XyPerl
 - Some other useful advanced selectors
 - Exercises: using pseudo element selectors

Module 11: Working with attributes

- Basic CSS attribute selectors
- Using the *attr()* CSS3 function
- Using attributes inside XyPerl
- Exercises: using *attr()* and attributes inside XyPerl

Module 12: Working with registers

- Different types of registers
- Concept of streams in XPP
- Effect of streams on registers
- Stream diversion at XML import
- Exercises: working with registers

Module 13: Numbering

- Setting up numbering for chapters and sections
- Naming CSS based counters
- Reading out CSS based counters
- Exercises: setting up and outputting named registers

Module 14: Lists

- Unordered lists
- Ordered lists
- Nested lists
- Exercises: working with lists

Module 15: Frills processing for running heads and folios

- Frills processing
- Exercises: working with frills

Module 16: Further enhancements

- XPP specific CSS properties
- Inheritance for XPP specific CSS properties
- Vertical justification
- Widow and orphan control
- Unsupported CSS properties
- Exercises: adding XPP specific CSS properties

Module 17: Adding footnotes

- Footnotes and the PS spec

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- Creating a link with the anchor
 - Outputting the footnotes
 - Exercises: working with footnotes

Module 18: Adding inline images

- Difference between inline images and pickups
- How to output an inline image
- Exercises: outputting inline images

Module 19: Introduction to pickups

- An introduction to pickups
- Exercises: outputting the pickups

Module 20: CSS boxes in XPP

- How to use CSS in XPP to draw boxes
- Exercises: outputting a variety of boxes

Module 21: Introduction to CALS tables

- An introduction to tables in XPP
- Set-up for CALS tables in CSS
- Exercises: outputting CALS tables

Module 22: Introduction to HTML5 tables

- Set-up for HTML5 tables in CSS
- Exercises: outputting HTML5 tables

Module 23: Resources

- Helpful resources

Complementary Module 1: Using the Supporting Data Editor (SDedit)

- Using the SDeditor to populate style specifications
- Other Supporting Data configuration files

Complementary Module 2: Page Column Override Spec

- Page Column (PC) Overrides - definition and purpose
- How to use a PC spec and where to use it
- What are some important PC fields and the impact on text layout
- Examples of using the Page Column Override.

Complementary Module 3: Vertical Justification and the Pagination Tries Spec

- Vertical justification (Vj) and Column and Page breaks.
- PT spec file and the fields most commonly used.
- "Status" window and an example on using the PT spec

Complementary Module 4: Hyphenation and Justification Spec

- Tables and Rules in the Hyphenation and Justification spec.

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- Chaining and how to control the width of Space Bands.
 - Types of letter spacing
 - Algorithm and Dictionaries Fields
 - Ragged text and Exception rules

About RWS

RWS Holdings plc is a unique, world-leading provider of technology-enabled language, content and intellectual property services. Through content transformation and multilingual data analysis, our unique combination of technology and cultural expertise helps our clients to grow by ensuring they are understood anywhere, in any language.

Our purpose is unlocking global understanding. By combining cultural understanding, client understanding and technical understanding, our services and technology assist our clients to acquire and retain customers, deliver engaging user experiences, maintain compliance and gain actionable insights into their data and content.

Our clients include 90 of the world's top 100 brands, the top 20 pharmaceutical companies and 19 of the top 20 patent filers. Our client base spans Europe, Asia Pacific, and North and South America. We work in the automotive, chemical, financial, legal, medical, pharmaceutical, technology and telecommunications sectors, which we serve from 80+ global locations across five continents.

Founded in 1958, RWS is headquartered in the UK and publicly listed on AIM, the London Stock Exchange regulated market (RWS.L).

For further information please visit www.rws.com.