

Training TR-102 Report - Day 8

Date: 20th June, 2024

Overview

Day 8 of the TR-102 training focused on mastering RDF literals with Turtle syntax and gaining proficiency in a suite of essential web development tools such as the Wave tool, Google Fonts, Google Analytics, axeDevTool, W3C Validator, and Wappalyzer.

Understanding RDF Literals in Turtle

Participants explored the use of **literals** in RDF Turtle syntax, which represent values like strings, numbers, and dates. Mastering literals is essential for accurate data modeling and exchange in RDF.

- **Practical Exercise:**
Participants practiced writing RDF literals in Turtle syntax, working with various data types, including strings, numbers, and dates.
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Web Tools

Wave Tool (Web Accessibility Evaluation Tool)

The **Wave tool** was introduced as a key resource for evaluating the accessibility of web pages.

- **Activity:**
Participants evaluated web pages using the Wave tool to identify and fix accessibility issues. This tool provides visual feedback on web content accessibility, making it easier to improve compliance.
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Web Fonts and Google Fonts

- **Web Fonts:**
The session highlighted the importance of **web fonts** in enhancing readability and improving user experience.
- **Google Fonts:**
Participants were introduced to **Google Fonts**, an open-source library offering free web fonts for web projects.

- **Activity:**
Participants selected and integrated fonts from Google Fonts into their projects, customizing typography to enhance readability and aesthetic appeal.
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Google Analytics

Participants explored **Google Analytics**, a powerful tool for monitoring and analyzing web traffic.

- **Activity:**
They set up Google Analytics for their websites and analyzed user behavior to gain insights and improve site performance.
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axeDevTool

The session introduced the **axeDevTool** extension for web accessibility testing.

- **Activity:**
Participants used axeDevTool to identify accessibility issues and ensure that their web content adheres to accessibility standards.
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W3C Validator

Participants learned how to use the **W3C Validator** to check the validity of web documents in HTML, XHTML, and other formats.

- **Activity:**
They validated web pages to ensure compliance with **W3C standards**, enhancing compatibility and performance.
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Wappalyzer

The tool **Wappalyzer** was explored as a way to uncover the technologies used behind websites.

- **Activity:**
Participants analyzed various websites to identify the technologies and frameworks behind them, helping to understand the tech stack used in web development.
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Conclusion

On Day 8, participants gained hands-on experience with RDF literals using Turtle syntax and explored a variety of crucial web development tools. They practiced writing RDF literals, evaluated web pages for accessibility with Wave and axeDevTool, and enhanced typography with Google Fonts. Additionally, they analyzed web traffic using Google Analytics, validated web documents with the W3C Validator, and uncovered web technologies with Wappalyzer. The knowledge and skills acquired during this session are vital for creating accessible, well-designed, and data-driven web projects.