

TRAINING TR-102 REPORT DAY 8

20 June, 2024

Overview:

The eighth day of the TR-102 training focused on understanding and applying RDF literals using Turtle syntax, and exploring web tools such as the Wave tool, Google Fonts, Google Analytics, axeDevTool, W3C validator, and Wappalyzer.

Understanding Literals in RDF Turtle:

- ☐ Participants learned about literals in RDF Turtle syntax, which are used to represent values such as strings, numbers, and dates in RDF data.
- ☐ Understanding how to use literals is crucial for accurately modeling and exchanging data in RDF.
- ☐ Practiced writing RDF literals in Turtle syntax, representing various data types such as strings, numbers, and dates.

Web Tools

Wave Tool (Web Accessibility Evaluation Tool):

- ☐ Participants were introduced to the Wave tool, which helps in evaluating the accessibility of web pages.
- ☐ Evaluated web pages using the Wave tool to identify and fix accessibility issues, which provides visual feedback about the accessibility of web content, making it easier to address.

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Web Fonts and Google Fonts:

- **Web Fonts:** The session covered the use of web fonts to enhance the visual appeal of web pages. Participants learned about the importance of web fonts in improving readability and user experience.

- **Google Fonts:**

- o Participants explored Google Fonts, a library of free and open-source web fonts. They learned how to select and integrate Google Fonts into their web projects to achieve consistent and attractive typography.

- o Participants selected and integrated web fonts from Google Fonts into their web projects. o Customized the typography of web pages to improve readability and aesthetic appeal.

Google Analytics:

- The session introduced Google Analytics, a powerful tool for tracking and analyzing web traffic.

- Participants learned how to set up Google Analytics for their websites

- Analyzed traffic data to gain insights into user behavior, interpret the data, and improve site performance.

axeDevTool:

- Participants were introduced to axeDevTool, a browser extension for accessibility testing.

- Used axeDevTool to identify accessibility issues and ensure web content meets accessibility standards.

W3C Validator:

- The session covered the use of the W3C Validator to check the markup validity of web documents in HTML, XHTML, SMIL, etc.
- Validated web pages to ensure they adhere to W3C standards, improving compatibility and performance.

Wappalyzer:

- Participants explored Wappalyzer, a tool that uncovers the technologies used on websites.
- Analyzed various websites to identify the technologies and frameworks used, helping in understanding the tech stack behind web projects.

Conclusion:

On the eighth day of training, participants gained hands-on experience with RDF literals using Turtle syntax and explored a range of essential web tools. They learned to write RDF literals to accurately model data and evaluated web pages for accessibility using the Wave tool and axeDevTool. The session also covered enhancing web typography with Google Fonts and analyzing web traffic with Google Analytics. Additionally, participants practiced validating web documents with the W3C Validator and identifying website technologies with Wappalyzer. These skills and tools are crucial for developing accessible, well-designed, and data-driven web projects.