Day 13

Contents Covered:

The ninth day of the training delved into the integration of XML and JSON within HTML code, exploring how these formats are used for data interchange and representation. XML (eXtensible Markup Language) and JSON (JavaScript Object Notation) are both essential for structuring data in a way that can be easily parsed and used by web applications. While XML is more verbose and suited for complex data with nested hierarchies, JSON is lightweight and easier to read and write, making it the preferred choice for many modern web APIs.

Additionally, the session covered the use of Postman, a powerful tool for testing APIs. Postman enables users to send requests to web servers and receive responses, facilitating the process of data fetching and API interaction. The discussion highlighted the importance of understanding how APIs work, including the mechanisms for sending requests, handling responses, and managing authentication.

A significant part of the day was dedicated to presenting the OWL structures created previously. This presentation emphasized the importance of discussions and feedback in refining and understanding semantic structures. By sharing their OWL structures, insights from peers and instructors were gained, enhancing comprehension of OWL's practical applications.

Tasks:

1. **Using Postman:** Using Postman to interact with various APIs, sending requests, receiving responses, and examining the data exchange process, provided hands-on experience with API testing and data fetching.

2. **Creating Another OWL Structure:** Using WebVOWL to create a new OWL structure for a different product or service reinforced understanding of OWL and allowed the application of feedback received during the presentation.

Tools:

1. **WebVOWL:** Continued use for visualizing and defining OWL ontologies. The tool aids in graphically representing complex data structures, making it easier to understand and manipulate semantic data.

2. **Postman:** A tool for API development and testing. Postman simplifies the process of sending requests and receiving responses, providing a user-friendly interface for exploring APIs.

Summary:

Day 13 focused on integrating XML and JSON within HTML, understanding API functionality, and the importance of presenting and discussing OWL structures. Practical tasks included using Postman for API interactions and creating a new OWL structure using WebVOWL. These activities provided valuable hands-on experience with key web development tools and concepts, reinforcing the theoretical knowledge gained during the session.