

TRAINING TR-102 DAY 19 REPORT

09 July, 2024

On 19th day, we completed our pending work and the detailed description is defined below:

PENDING WORK

TASK 1:

Complete SPARQL Query Exercises

Description: Finish the remaining exercises on SPARQL queries from the workbook.

Status: 50% completed. Plan to complete by the end of this week.

TASK 2:

Implement Accessibility Improvements

Description: Use NVDA and Axe DevTools to make final accessibility improvements to the project.

Status: 70% completed. Final review scheduled for tomorrow.

REVIEW SUMMARY

ACHIEVEMENTS:

- Mastered the basics of HTML, CSS, and semantic web concepts.
- Successfully hosted a webpage on Netlify.
- Created complex architectures using VOWL and understood SPARQL queries.

CHALLENGES:

- Struggled with the initial setup of Apache Jena Fuseki.
- Faced difficulties in optimizing page speed effectively.

SOLUTIONS:

- Followed detailed tutorials and documentation for Apache Jena Fuseki setup.
- Utilized Lighthouse and PageSpeed Insights to systematically improve page speed.

FUTURE PLANS

NEXT STEPS:

- Continue exploring advanced SPARQL queries and RDF data manipulation.
- Start learning about more advanced web development frameworks like React or Angular.

GOALS:

Complete all pending tasks within the next week. Implement a small project using the newly learned concepts to reinforce knowledge.

CONCLUSION:

Over the past few weeks, I have made significant progress in understanding and applying web development concepts, from basic HTML and CSS to more complex topics like RDF and SPARQL. The hands-on projects and practical examples have been particularly beneficial in solidifying my knowledge.