

Training Day-4 report

26 June, 2025

Today, I continued working on the **Blog API** project. The focus was on extending the existing functionality, which led to encountering and resolving new bugs. The primary learning objective was to gain a deeper understanding of **data flow between backend and frontend components**.

Work-Undertaken:

- Refactored the **update functionality**, as the earlier implementation was ineffective.
- Successfully implemented and tested core features like blog creation, updating, and basic routing logic.
- Studied how **data is transferred between server functions and frontend templates**, especially using `redirect()` and `render()` methods.

Key-Learnings:

- Gained hands-on experience in how data can be passed between backend routes and EJS templates.
- Understood how to use **dynamic rendering** to display messages, pre-filled data, and other content on the frontend.
- Earlier, I was only sending basic success/failure responses; now, I learned how to **embed actual data** into the frontend logic.

Challenges-Faced:

- The attempt to add new features introduced unexpected bugs, requiring careful debugging and function redesign.
- Realized that **EJS views**, though functional, are still **visually basic** and need further work on UI/UX aspects.

Conclusion:

Although today's work brought some setbacks in the form of bugs, the overall experience helped me better understand **full-stack communication** and data flow. With the core features functioning correctly now, I plan to improve the interface and enhance usability going forward.