

MERN Stack Training

Company: Sensation Software Solutions

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Training Duration: 6 Months

Days: 95

Objective of the Day

The objective of **Day 95** was to conduct a **final backend review**, complete all necessary **project documentation**, and officially **freeze the codebase** before deployment. This phase is considered critical in industry projects, as it ensures that the application is stable, well-documented, and ready for release without introducing new risks.

The trainer emphasized that many production issues arise not due to missing features, but due to lack of documentation and uncontrolled last-minute changes.

Final Backend Review Process

The day began with a comprehensive review of all backend modules to ensure completeness and stability. Each API was tested and validated again.

The following modules were reviewed carefully:

- Product Management APIs

- Authentication and Authorization APIs
 - Cart and Wishlist APIs
 - Order and Checkout APIs
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Code Clean-up and Refactoring

During the review:

- Unused variables and functions were removed
- Debugging `console.log` statements were cleaned
- Redundant logic was eliminated
- Code formatting and naming conventions were standardized

This cleanup improved readability and maintainability of the codebase.

Documentation & README Update

A major portion of Day 95 was dedicated to documentation, which is often mandatory in professional environments.

The **README file** was updated to include:

- Project overview and features
- Backend API overview
- Environment variable setup instructions
- Steps to run project locally

- Deployment guidelines

The trainer explained that proper documentation helps future developers and team members understand the project quickly.

Learning Outcome

From Day 95, I learned:

- Importance of backend review before deployment
 - Real-world project freeze practices
 - Value of documentation and clean code
 - How companies prepare applications for production
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Conclusion

Day 95 marked the **completion of the pre-deployment phase** of the GadgetShop project. With all APIs reviewed, documentation finalized, and codebase frozen, the application was now **stable, optimized, and fully prepared for production release**. This day provided valuable insight into professional software development practices followed in real companies.