

Milestone 3

By: Cody Crosby
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Challenges During Project

- Issues with initial project setup requiring reinstallation of tools
- Managing async database operations with proper error handling
- debugging environment variables during server setup

Pending Bugs/Issues

- Additional input validation needed (negative weight/price, missing values, etc.)
- Some API responses need additional formatting
- Frontend integration with Angular/React pending

Lessons Learned

- TypeScript improves readability, helping to reduce runtime errors
- Middleware provides centralized logging and debugging
- Thorough documentation and planning make development smoother and more efficient
- Ease of creating API documentation with Postman

Conclusion

- This milestone provided hands-on experience implementing RESTful APIs with NodeJs, Express, and TypeScript. Challenges like async database handling and issues with project setup stressed the importance of careful planning. There are a few pending issues needing to be addressed, but overall this milestone was an incredibly valuable learning experience.