

CHAPTER 6. CONCLUSION

6.1 Summary

As the goal is to develop a website platform that can share knowledge for Atma Jaya University Community, there are many ways to develop this application.. In this study, the writer developed her own Share website application and use Atomic Design as Methodology to build. There are many parts contributed to the structure of the software.

Three databases are used as stated in chapter 3. Three database each used for User's data, Transaction data, and Payment history, the writer using MongoDB as the database for the project. Beside database technology, there is Front End Prototype, the writer also provide dashboard admin for seller manage their product and do confirmation with the order. Here The seller as an admin can reject and accept the order trough admin dashboard.

This software has about seven primary modules as stated in Chapter 3, each module has implementation detailed in Chapter 4. Every implementation is using Atomic Design Methodology and NodeJS framework. Node.js can function as a proxy server, enabling you to create a lightweight middleware layer between clients and other servers. This capability allows you to handle routing, load balancing, caching, and other proxy-related tasks efficiently.

6.2 Suggestions

In the phase of development there are some problems faced and in the phase of testing, there are some suggestions from tester. The problems faced is to implement the Integration between Back end and frontend, also Authentication on registration using JWT. JWT Authentication Identity Framework has challenge when it comes to implement it in NodeJS Server, because NodeJS Server uses a stateful connection. Authentication Identity Framework has too many unused attributes in this case

Some suggestions made by tester are:

1. Enable Integration between Prototype and Backend side using the JWT Authentication
2. Add notification feature for status order in client side.

REFERENCES

- [1] I. Hu, W., & Wu, C. " An Integrated Approach to the Design of Digital Learning Materials Based on Atomic Design", *Journal of Educational Technology & Society*, 3(1), 116-127.
- [2] ilanguages.org, "Multilingual People," ilanguages, 2018. [Online]. Available: <http://ilanguages.org/bilingual.php>. [Accessed 19 December 2021].
- [3] Kamath, R. *Atomic Design methodology for building design systems*. Retrieved from <https://blog.kamathrohan.com/atomic-design-methodology-for-building-design-systems-f912cf714f53>. (2022, September 4).
- [4] Angular Official Blog, "AngularJS to Angular, Concepts: Quick Reference", Available <https://angular.io/guide/ajs-quick-reference>, 2018 July
- [5] A. Hathibelagal, "How to Create Easy Maintenance Website using Atomic Design," Tutplus, 15 April 2021. [Online]. Available: <https://code.tutsplus.com/tutorials/how-to-create-an-android-chat-app-using-firebase-cms-27397>. [Accessed 20 March 2023].
- [6] A. M. G. A. Ed Price, *Hands-on Azure Cognitive Services: Applying AI and Machine Learning for Richer Applications*, New York: Apress, 2021.
- [7] CompTIA, "What is PaaS," CompTia, [Online]. Available: <https://www.comptia.org/content/articles/what-is-paas>.
- [8] MongoDB, "Continuous deployment with Mongodb Database," USA, 9 8 2021. [Online]. Available: <https://www.mongodb.com/>.