

Framework for Creating E-Commerce or E-Learning Websites

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Abstract. The purpose of this study is to analyze the use of a framework that contains general commands and basic functions, and the benefits for making e-commerce or e-learning websites in the world. The method used in this research is descriptive which is used to explain the circumstances related to several variables of the tested variables. The results of this study are to find out the uses and benefits of websites that are used for building e-commerce or e-learning websites that are used by private users and software developers in the world today, and also the benefits of using said websites which is more sophisticated for e-commerce or e-learning in today's world. This research is done by discussing and working to create a website that has the type of function as e-commerce or e-learning. This is information that is very useful for users and software developers.

Keyword : *E-learning website, Social Media, E-commerce.*

1 Introduction

Very commonly used by single or multi applications made and motivated by industry trends, the framework helps to fill in at this time, which is very useful to apply and to learn. E-Learning will not work well if the system does not match the user. This is a reference for the building or not of a user. Learning that is expected to facilitate existing errors or found in conventional education. Through e-learning, it is more accessible, more fun, cheaper, and easier to share and learn. E-Learning will not work well if the system does not match the user. But in the mix, e-learning is not entirely successful as expected. Success of the e-learning process is very suitable for participant satisfaction and several other factors that will encourage interest in continuing to use the e-learning system in university implementation which has been driven by several studies. However, change varies among the kinds of student experiences [1]. The scope of information technology and services and technology is the intelligence of people, the tools used, the way they work, the systems used, the devices from the electronics themselves, communication equipment, etc, which stays in the software. Businesses in the IT world are close to consumers. They also help with costs, and can help become more flexible. The site can have a number of applications [2].

In the past there was a framework for a collaborative Babar framework such as Babar, CDF, and Cleo. Whereas in some respects, experimental art was based on Fermilab and there was also a CMS framework [3]. The use of social media has grown rapidly, there is a breakthrough in the latest social media technology for e-commerce and e-learning such as Facebook and YouTube that users might not guess (e.g., Youtube as a learning application or ordering platform) [4]. The conceptual framework can consist of: students, learning goals, e-learning processes, continuous improvement, and evolutionary pathways which are grouped as either factors related to students or factors related to technology [5]. Laravel uses free php web, which was created by Taylor Otwell, separately for developing web-architecture-view-controller (MVC) web applications. There is a Laravel feature which is a modular system with

special dependencies. The Laravel framework is easy to understand and powerful; providing the work itself provides authentication, routing, session managers, caching, the latest IoC components, integrated databases, and support units, allowing for the development of complex applications. The sophisticated Laravel-based web service application must consist of several main components, such as routing machines, middleware, MVC chat work, ORM, and authentication components [6]. In terms of culinary information that can only be obtained, the source is limited, i.e. maybe from family and friends. Complete information is incomplete, allowing information that can be presented in culinary information. This information can be overcome by filling out applications on various mobile or desktop devices. This application was developed using Laravel framework which uses a machine knife as a standard Laravel machine template [7]. At present, massive online (MOOC) has a significant impact on e-Learning by providing free curricula throughout the world. MOOC chose tutorial literals, videos, but not experiments that were identical and easy to operate. It is very important for participants to learn very complex concepts using multi-host programming and networks. In this paper, the focus is on E-Learning based platforms built on virtual interactions [8]. The terms e-commerce and e-business often take turns. This includes server and client side script languages, such as the Laravel framework, a programming language (like PHP). Most users will make the decision to be on the site for the first few seconds. "Website design is like a shop interior. If shop looks are poor or hundreds of customers will be needed for other sites. So we have provided services as easily and as easily as possible" Smart Online Phone. To start this project, Laravel was used as a Laravel Technology that has many benefits such as built-in security, simplicity, scalability, and enhanced performance [9]. We recommend starting a system for discussing products from e-commerce websites to micro blog users who do not have historical purchase records. Our main idea is to develop models by addressing cold-start products recommendations. Users of e-commerce and social sites Connect with networks. This product is recommended for visits made by users. By using this, the user does not need an internal record of historical purchases. Instead there are the interesting and most user sites at the top of the list for users to buy. This helps them to bring out the most visited products and enrich e-commerce. As such, we conclude that we have proposed systems to overcome cold-start problems [10,11].

The purpose of this research is to use the method used to develop e-commerce or e-learning web sites to increase benefits and also to make more modern information systems that can facilitate buyers to get better and more recent items or e-learning that can make students become more productive in modern learning and teachers able to teach interactively according to the technology in the world. E-Commerce and E-Learning are made separately to use the Laravel Framework in making web sites. The method used in this study is descriptive, which means it describes the conditions associated with several state variables.

2 Material and Methods

This research uses descriptive method to find out the variables related to the framework, Laravel, e-commerce, e-learning, and uses previous research related to activities, events, social media for e-commerce and e-learning to become businessmen who are accomplished with e-commerce and the concept of the framework itself, from the culinary application using the web using Laravel. So you can analyze the use of the framework when creating E-Commerce or E-Learning with a website or other ways.

3 Results and Discussion

In the case of the type of E-Commerce to attract online users [12] who are needed, the name or work is `systematic or programming. The use of the framework is very important because it is to attract online businesses to be more attractive and easy to use. Besides that, sellers can easily add a catalog of items on the site to be sold. For consumers on the other hand, the admin is facilitated by the e-commerce verbs that I take like Laravel because the admin can easily and quickly manage the website in the process of buying, paying and others. Also from the consumer or buyer side, it is facilitated by online payments via Internet Banking or ATM transfers. In this type of E-Learning, a more modern and routine system is used, using a learning system that will be more effective and interactive between students and their

instructors can be biased by using social media to learn because currently many use certain social media. And besides that there are learning websites using penalties using Laravel.

The use of the Laravel framework has a lot of influence on the management of the administrator, the administrator can access the menu as a whole until payment verification, so it can make it easier for maintenance. Back End Management with Laravel framework is shown in Fig. 1.

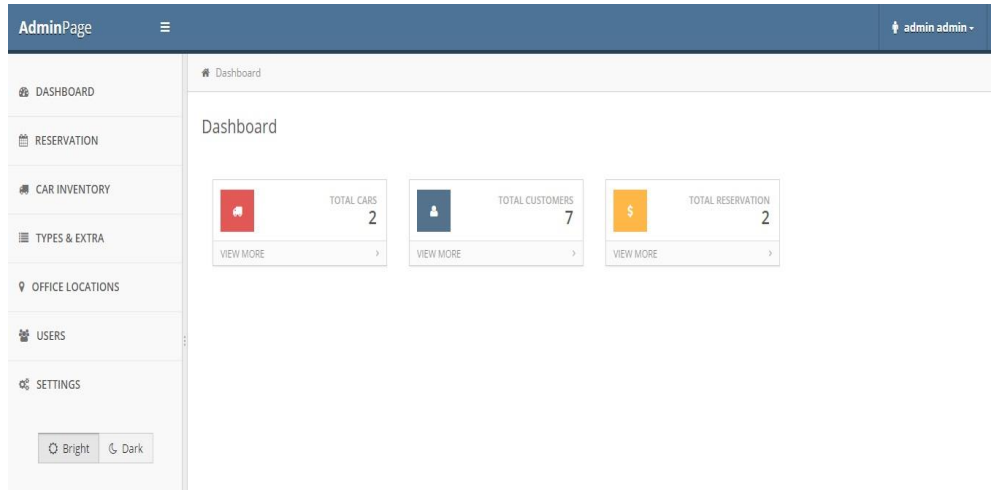


Fig.1. Laravel Admin Panel. Figure was adopted from www.quickadminpanel.com On Dec 10th,2018.

In the Laravel admin panel menu, admin can manage transactions properly because the admin is directly involved in the booking of an object that is desired by the consumer, also the admin can create the report according to the transaction that has occurred. In this stage, the use of the framework is done on e-commerce websites as shown in Fig.2.

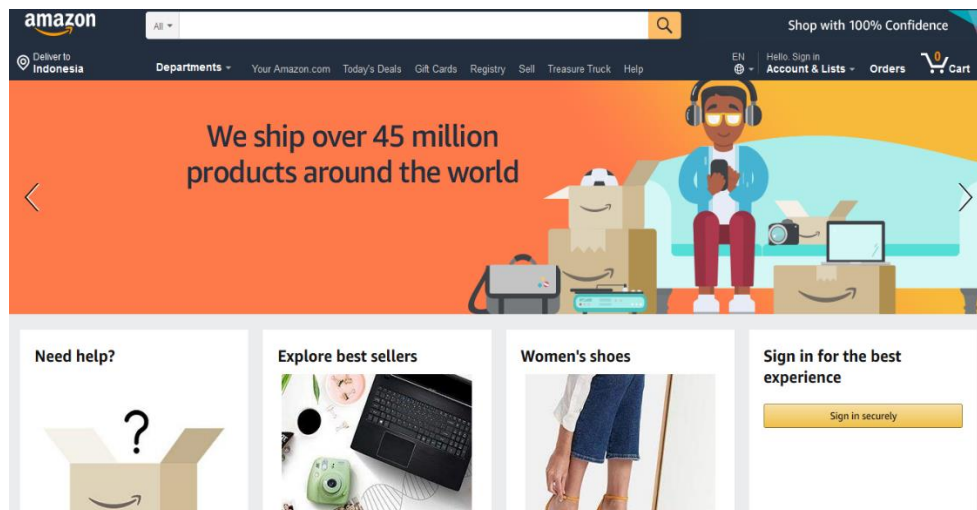


Fig.2. Application of the E-Commerce Framework. Figure was adopted from www.amazon.com. On Dec 10th,2018

Application of the E-Commerce Framework there is the selection of goods for consumers or buyers on the display categorized according to the type of goods, the use of the framework on the display that makes the web become structured on the initial display, the online ordering feature with a bank account payment method for transfer, and the framework which can make the order process that will enter the domain administrator. With a framework, we can provide promotions to increase sales to consumers, shown in Fig.3.

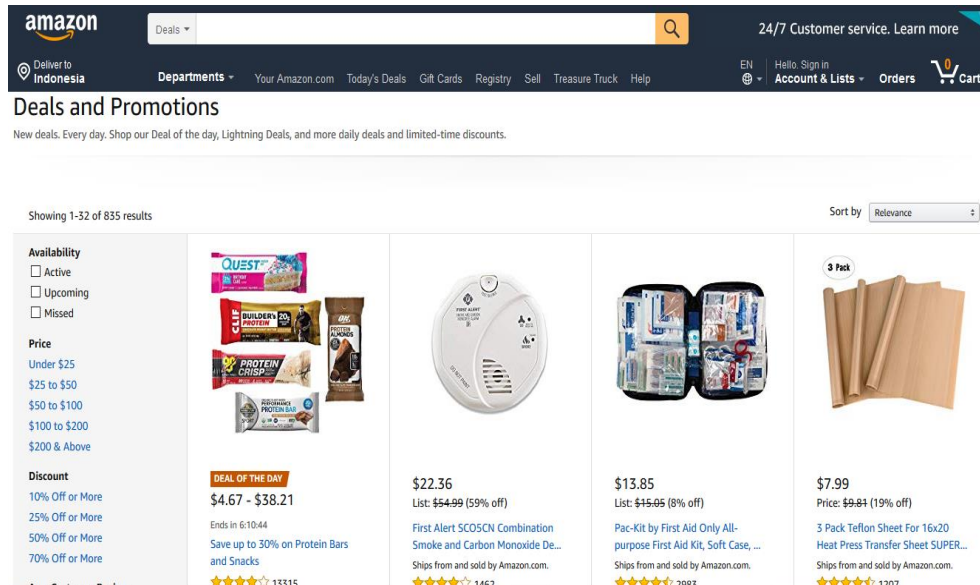


Fig.3. Deals and Promotions. Figure was adopted from www.amazon.com. On Dec 10th, 2018

On Deals and Promotions menu, we found that the framework for obtaining large profits in this menu contained several items that were sold at promotional prices and were ensured. In this framework, it could make the information system more effective because the targets for decorating with customers could occur. In the next stage, the study view is explained with E-Learning using a framework shown in Fig.4.

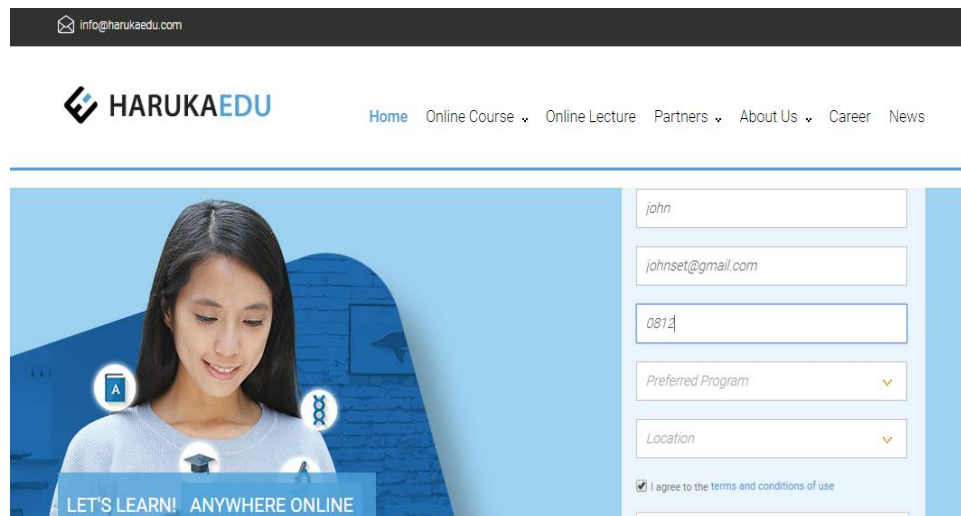


Fig.4. Application of the E-Learning Framework. Figure was adopted from www.harukaedu.com. On Dec 10th, 2018

On the Application of the E-Learning Framework menu, with the framework of an e-learning, learning does not have to be face to face directly with the instructor. The existence of e-learning can make time efficient because there are features of the online lecture itself where there are methods for uploading The task files that have to be collected from collaborative, mixed, or personal learning methods, and also on the menu above are shown an online course menu where learning can result in students getting certain skills to be used as needed.

4 Conclusion

Information Technology is growing rapidly from the E-Commerce side to the E-Learning side, which can provide convenience for users to use technology. The existence of a framework in the form of a system or use of a framework with Laravel can make more profits

increase, faster item selection, and many sales catalogs are included in E-Commerce, while from the E-Learning side, learning can be more effective and efficient and also facilitate students getting knowledge from the teacher. This framework is formed from several concepts that have been developed. The use of the framework can be useful in the E-Commerce Marketing section, which itself can be an online store or sell on social media and the same thing as much learning today using social media streamer.

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References

- [1] Rodziah, A., Hasan, S. M., Rusli, A., &Noraini, C.: Integrated Model for E-Learning Acceptance. In IOP Conference Series: Materials Science and Engineering (Vol. 105, No. 1, p. 012016). IOP Publishing. (2016).
- [2] Soegoto, S. Eddy.: Entrepreneurship Menjadi Pebisnis Ulung. Jakarta: Kompas Gramedia. (2014).
- [3] Sexton-Kennedy, E.: A review of event processing frameworks used in HEP. In Journal of Physics: Conference Series (Vol. 664, No. 3, p. 032026). IOP Publishing. (2015).
- [4] Luchman, J. N., Bergstrom, J., &Krulikowski, C.: A motives framework of social media website use: A survey of young Americans. Computers in Human Behavior, 38, 136-141. (2014).
- [5] Rahmah, A., Santoso, H. B., &Hasibuan, Z. A.: E-learning process maturity level: a conceptual framework. In Journal of Physics: Conference Series (Vol. 978, No. 1, p. 012028). IOP Publishing. (2018).
- [6] Chen, X., Ji, Z., Fan, Y., & Zhan, Y.: Restful API Architecture Based on Laravel Framework. In Journal of Physics: Conference Series (Vol. 910, No. 1, p. 012016). IOP Publishing. (2017).
- [7] Wicaksono, E.: AplikasiKulinerSalatigaBerdasarkan Web Menggunakan Framework Laravel (Doctoral dissertation, Program StudiTeknikInformatika FTI-UKSW) (2016).
- [8] Chen, L., Huang, W., Sui, A., Chen, D., & Sun, C.: The online education platform using Proxmox and noVNC technology based on Laravel framework. In Computer and Information Science (ICIS), 2017 IEEE/ACIS 16th International Conference on (pp. 487-491). IEEE. (2017).
- [9] Newaj, S., Sharmin, S., Begum, N., &Yeasmin, M.: Prominent-Tech: E-Commerce Site for Electronic Goods (Doctoral dissertation) (2017).
- [10] Ramalingam, V. V., Pandian, A., &Masilamani, K.: Marketing E-Commerce by Social media using Product Recommendations and user Embedding. In Journal of Physics: Conference Series (Vol. 1000, No. 1, p. 012029). IOP Publishing (2018).
- [11] Soegoto, E. S., & Jayaswara, M. R.: Web and Android Programming Course Information System. In IOP Conference Series: Materials Science and Engineering (Vol. 407, No. 1, p. 012063). IOP Publishing (2018).
- [12] Maamar, Z.: Commerce, e-commerce, and m-commerce: what comes next?. Communications of the ACM, 46(12), 251-257,(2003).