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Headless Content Management System

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Abstract: Website development has become a prominent and growing field in today's world. An effective web presence is essential to achieving sustained business growth. However, 's limited budget small business cannot afford to hire professionals to develop his website for. In this situation, Content Management System is a cost- effective solution. Because you don't need to be a developer to create a website without any coding knowledge. While traditional CMS combines frontend and backend, headless CMS completely separates backend from frontend, making it more flexible and scalable. The purpose of this research work is to design and develop a headless content management system and to evaluate its performance.

Keywords: Web Development, Content Management System, Headless Content Management System, Shopify, GraphQL API, React, NextJS, Tailwind CSS, Netlify or Gatsby.

REFERENCES

- [1]. Kumar, A. Kumar, H. Hashmi and S. A. Khan, "WordPress: A Multi-Functional Content Management System," 2021 10th International Conference on System Modeling & Advancement in Research Trends (SMART), 2021,pp.158-161,doi:10.1109/SMART52563.2021.9675311.
- [2]. G. Maragatham, S. N. A. Balaji, K. Sai Karthikeyan, Gokula krishnan and M. Siddharth, "A Study on Performance Analysis for Different WordPress and Hand Code Webpages," 2018 International Conference on Smart Systems and Inventive Technology (ICSSIT), 2018, pp. 191-204, doi: 10.1109/ICSSIT.2018.8748564.
- [3]. A. Mirdha, A. Jain and K. Shah, "Comparative analysis of open source content management systems," 2014 IEEE International Conference on Computational Intelligence and Computing Research, 2014, pp. 1-4, doi: 10.1109/ICCIC.2014.7238337.
- [4]. C. Hoong and M. A. Ameeden, "Intuitive Content Management System," 2015 International Conference on Computer, Communications, and Control Technology (I4CT), 2015, pp. 541-543, doi: 10.1109/I4CT.2015.7219637.
- [5]. M. Nath and A. Arora, "Content management system: Comparative case study," 2010 IEEE International Conference on Software Engineering and Service Sciences, 2010, pp. 624-627, doi: 10.1109/ICSESS.2010.5552271.
- [6]. Cabot, Jordi. (2018). WordPress: A Content Management System to Democratize Publishing. IEEE Software. 35. 89-92. 10.1109/MS.2018.2141016.
- [7]. A. Kumar, A. Kumar, H. Hashmi and S. A. Khan, "WordPress: A Multi-Functional Content Management System," 2021 10th International Conference on System Modeling & Advancement in Research Trends (SMART), 2021, pp. 158-161, doi: 10.1109/SMART52563.2021.9675311.
- [8]. N. A. Khan and H. Ahangar, "Use of Open Content Management Systems in Government Sector," 2018 5th
- [9]. Yermolenko, Andrei & Golchevskiy, Yuriy. (2021). Developing Web Content Management Systems from the Past to the Future. SHS Web of Conferences. 110. 05007.10.1051/shsconf/202111005007.
- [10]. H. Liduo and C. Yan, "Design and implementation of Web Content Management System by J2EE-based three-tier architecture: Applying in maritime and shipping business," 2010 2nd IEEE International Conference on Information Management and Engineering, 2010, pp. 513-517, doi: 10.1109/ICIME.2010.5477670.
- [11]. Esperança and A. Pereira, "Content management system for e-Government portals," 2016 11th Iberian Conference on Information Systems and Technologies (CISTI), 2016, pp. 1-6, doi:

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10.1109/CISTI.2016.7521369.

- [12]. Michelinakis, "Open Source Content Management Systems: An Argumentative Approach", Award MSc Electron. Bus. Manag, pp. 113, 2004.
- [13]. X. Cao and W. Yu, "Using Content Management System Joomla! to Build a Website for Research Institute Needs," 2010 International Conference on Management and Service Science, 2010, pp. 1-3, doi: 10.1109/ICMSS.2010.5577465.
- [14]. P. Kiatruangkrai, P. Phusayangkul, S. Viniyakul, N. Prompoon and P. Kanongchaiyos, "Design and Development of Real-Time Communication Content Management System for E-Commerce," 2010 Second International Symposium on Data, Privacy, and ECommerce, 2010, pp. 111-116, doi: 10.1109/ISDPE.2010.24.
- [15]. Chang Liu, Kirk P. Arnett, "Exploring the factors associated with Web site success in the context of electronic commerce", Information & Management, Volume 38, Issue 1, 2000, Pages 23-33, ISSN 0378-7206, doi: 10.1016/S0378-7206(00)00049-5.
- [16]. Martinez-Caro, Jose-Manuel, Antonio-Jose AledoHernandez, Antonio Guillen-Perez, Ramon Sanchezlborra, and Maria-Dolores Cano. 2018. "A Comparative Study of Web Content Management Systems" Information 9, no. 2: 27. https://doi.org/10.3390/info902002

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