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## Patent Search

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#### Abstract:

THE IMPACT OF BIG DATA ON THE STRUCTURE OF THE "INTERNET PLUS" CONSUMER-TO-CONSUMER ONLINE MARKETPLACE Abstract: In the big data environment, we personalized information of college libraries based on big data from three aspects: the overall architecture of the system model, the functional model of the system, and design of system interface modules according to the design principles and requirements of the personalized information service system of the university library Service design. In terms of the functional design of the platform, the service platform is divided into four levels: accurate identification of user needs based on big data, personalized customized services based on artificial intelligence, academic research and discussion space based on integrated media, and fine-grained subject resource aggregated knowledge. On this basis, a centralized model of individualized services of university libraries including internal and external personnel, information resources, technical services, processes, platforms, and environment has been constructed Artificial intelligence (AI) is one of the emerging trends and applications of computing in libraries programming computers to do things, which if done by humans, would be said to require intelligence. The ultimate promise of artificial intelligence in libraries is to develop computer systems or machines that think, behave, and in fact rival human intelligence, and this clearly has major implications on librarianship. The application of artificial intelligence in the library has become pervasive. They include expert systems for reference services, book reading and shelf-reading robots, virtual reality for immersion among others. Although the incorporation of artificial intelligence in libraries can be perceived to alienate librarians from their users, it will probably help libraries do more than taking over the jobs of librarians. It will enhance their services delivery. Artificial intelligence will greatly improve library operations and services and will upgrade and heighten the relevance of libraries in an ever-changing digital society Every week, regardless of whether we keep track of them or not, we all conduct a few online consumer transactions. Have you recently acquired any digital products (games, films, ebooks, etc.)? Do you purchase event or concert tickets online? Have you ever used a credit card the Internet to buy clothing or other physical items? Have you ever bought a book online, had it mailed to you, and then paid cash for it when it arrived? E-commerce is an umbrella term for all of these distinct online business transactions. By 2021, over one-quarter of the world's population, or 2.14 billion people, will have made online purchases. The goal of this paper is to determine whether big data technologies can aid in addressing some of the most important concerns in the e-commerce industry. Mass customization are one of the most important components of modern IT for online retailers and their clients, as we have mentioned. These are some suggestions for using big data to improve the e-commerce infrastructure, from administration and marketing to payments and the supply chain. This article discusses a revolutionary strategy for automating e-commerce business processes utilising cutting-edge technologies. Putting the model to the test in actual e-commerce scenarios proves that it is effective. Modernizing e-commerce requires the installation of new infrastructure, the implementation of new procedures, and the use of cutting-edge software. This will facilitate data organization, customization of the client experience, and decision-making.

#### Complete Specification

##### Description: Descriptions

Throughout history, the movement of goods, services, and money across national borders has been an integral part of how economies and communities have grown and evolved. These flows have been transported by chariots on ancient roads, automobiles on modern roads, cargo aircraft, and ships across oceans. More and more information is conveyed as datagrams, which are data packets that flow via fiber-optic cables, in the twenty-first century. Two simultaneous phenomena mark the beginning of the digital economy: the acceleration of digitisation, the process of transforming analogue data into digital data, and the digitisation of processes, often referred to as digital transformation. With the same increase in computer power, we can now learn more from data and uncover more relationships than ever before. Data is the most important part of creating new services, business models, and economic value. As digitalization spreads, it is becoming increasingly common for once physical products to be offered digitally (such as books, films, games, and recorded music). Consumers are increasingly ordering and paying for items online, despite the fact that ships are still transporting the goods. All other types of traditional cross-border travel are dependent on and enabled by digital flows. The internet and the digitization of information have modified several facets of international trade. Education and healthcare, which were once thought as impractical to supply to people in faraway countries, are now regarded as marketable goods. Increasingly, services are traded alongside products. This is known as the "servicification" of international commerce. To increase sales and differentiate their products, manufacturers are increasingly investing in and delivering additional services for their customers. Servicification is the practise of selling services in addition to goods. Applications that accompany exercise equipment and fitness trackers are an example. Another illustration is the provision of a digital wrapper. A digital wrapper is a set of digital data associated with a product as it crosses a border. It contains the information necessary for global tracking. The product (as a service) of a digital wrapper, which is a collection of digital data that goes with a product across a border, such as a bar code, is another type of servicification.

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