

THE MODERN INNOVATIONS OF DEVELOPING AN ACCOUNTING SOFTWARE TOOL FOR SERVICE STATION SUPPLIERS AND CUSTOMERS

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Annotation. The work examined the problem of identifying modern innovations in developing a software tool for accounting for suppliers and customers at a service station. The features of modern technologies and approaches in developing software for service stations are described.

Formulation of the problem. It is necessary to determine the modern innovations of developing a software tool for accounting for suppliers and customers at a service station.

Introduction. The modern innovation of developing a software tool for accounting for suppliers and customers at a service station lies in using the latest relevant technologies and approaches to automate business processes. Current technologies and approaches in automating business processes at service stations include the following aspects (Fig. 1).

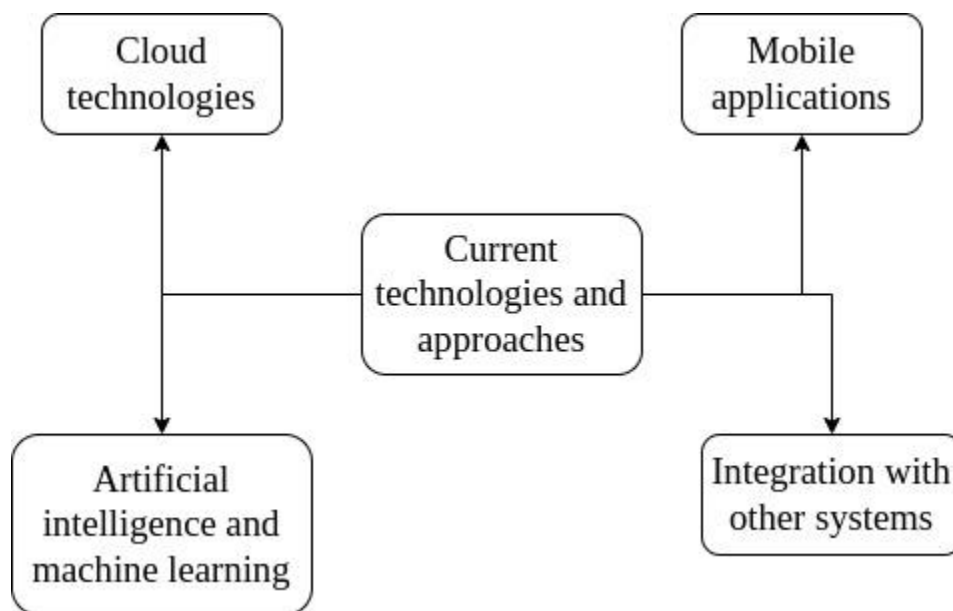


Figure 1. Current technologies and approaches in automating business processes at a service station.

Cloud technologies. Cloud solutions make supply and customer data available anytime from any device, providing high system scalability and flexibility. Cloud computing is a model for delivering various computer resources (as services), such as computing power, data storage, networking solutions, and applications, over the Internet on a subscription or pay-as-you-go basis, allowing users to avoid the cost and complexity of purchasing, managing and maintaining their physical servers and other infrastructure. Cloud technologies can centrally store and access data about suppliers and customers, providing quick access to information from any device. They can also simplify collaboration, scale resources, and increase the overall efficiency of accounting processes at technological service stations.

Artificial intelligence and machine learning. Artificial intelligence algorithms can analyze large amounts of data to predict demand for specific parts or services, automatically generate orders from suppliers, optimize inventory, and improve the customer experience. Artificial intelligence (AI) and machine learning are used to create systems that automatically learn and improve based on data analysis without explicit programming for each specific task. This allows you to automate complex processes, make informed decisions, and identify patterns in large volumes of data. AI can analyze supplier and customer data to forecast demand, optimize inventory levels, automate orders, and improve the customer experience at process stations.

Mobile applications. The development of mobile applications for access to the accounting system ensures the efficiency of staff work, the ability to receive the necessary information instantly, and work performance outside the office. Mobile applications are software for smartphones, tablets, and other mobile devices. They provide users with convenient access to certain functions and services at any time and from anywhere. Mobile apps can provide service station employees with the ability to access real-time supplier and customer information, manage orders and inventory, and communicate with customers and suppliers on the go, making operations more responsive and efficient.

Integration with other systems. Modern software can be integrated with various external services and systems, such as accounting, CRM, and e-commerce. These systems provide a unified information environment and automate various business processes. Integration with other systems means creating connections between different software products to exchange data and perform joint operations, thereby improving the automation and efficiency of business processes.

The combination of these aspects makes the development of a software tool not just a tool for automating accounting operations but a comprehensive solution that can increase the efficiency of service station management, improve the quality of customer service, and ensure sustainable business development.

Conclusions. The work examines issues of modern innovation in developing a software tool for accounting for suppliers and customers at a service station. It describes the features of modern technologies and approaches to developing software for service stations.