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APPLICATION FOR AUTOMATION
OF EMPLOYEE MANAGEMENT IN REAL TIME

Для управления персоналом руководителю компании может быть сложно отслеживать деятельность своих подчиненных, но автоматизация системы управления сотрудниками позволяет значительно улучшить этот процесс. Автоматизированная система позволяет упростить постановку задач, контролировать их выполнение, назначать ответственных и исполнителей.

For personnel management, it may be difficult for a company manager to track the activities of his subordinates, but automation of the employee management system allows to significantly improve this process. An automated system allows to simplify the setting of tasks, control their implementation, assign responsible persons and performers.

The development of the HR application used the Microsoft .NET platform and the C# programming language, which is known for its reliability and security [1]. The MVC (Model-View-Controller) pattern was also used, the basic concept of which is that each part of the code has its own purpose: the model contains the application data, the view determines how they are displayed to the user, and the controller manages the business logic of the application.

The user interface was created using the JavaScript library React.js, which facilitates the development of user-interacting website and application interfaces. When developing the application, the task structure was decomposed into smaller subtasks, which simplified the development process and accelerated its completion. After dividing the task into subtasks, each of them was tested for errors, which allowed them to be detected and eliminated in a timely manner. The subtasks were then combined to form a single solution.

The developed application provides the ability to store and update information about each employee, including contact information, employment data and job history. The application also allows you to track working hours, take into account vacations, sick leaves, time off, and manage work schedules.

With this application, the administrator can collect information about the personnel, providing tools for analysis. The reports generated by the application help to make informed decisions regarding the personnel composition and implement management strategies.

Literature

1 Richter, D. CLR via C#. Programming on the Microsoft .NET Framework 4.5 platform in C# 4th edition / D. Richter. – „Piter", 2021. – 896 p.