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DEVELOPMENT OF A PLATFORM FOR AGILE PROJECT MANAGEMENT

В данной работе рассматривается разработанная платформа для управления Agile проектами, которая позволяет пользователям эффективно и без каких-либо сложностей управлять их проектами. Описываются используемые технологии, их основные преимущества и краткие характеристики. Также указаны основные функции приложения.

In today's fast-changed software development industry, Agile methodologies have become the standard of project management. Many existing project management tools either lack flexibility, are overly complex and expensive, or do not fully support Agile workflows that will meet all requirements of different teams. The development of a dedicated Agile project management platform aims to fix all problems described earlier by providing an intuitive, highly customizable, easily accessible, and scalable solution.

To ensure accessibility, maintainability, and high performance, the platform is built using industry-standard technologies. The backend is implemented in Java 21 with Spring Boot 3, leveraging its powerful ecosystem for building RESTful APIs, handling authentication, managing business logic, and accessing databases efficiently. Spring Boot's wide range of tools provide many options to enrich user experience and build scalable application. The frontend is developed using Angular with TypeScript, providing a highly interactive, component-driven user interface. Angular's two-way data binding and dependency injection capabilities allow for seamless UI updates and enhanced user experience. This tech stack ensures a reliable, secure, and responsive platform that meets the needs of teams.

The platform is a simple and effective solution for Agile project management, mostly fittingsmall team needs. Users can create projects, define sprints, manage tasks, and visualize progress. A robust notification system keeps team members informed about project updates, task assignments, new comments, and approaching deadlines. The platform also supports such features as task linkage and blockage to make it clearer

in which order to do them and what blockers team have, rich filtering for easier task search and velocity charts to track team's performance and analyze bottle necks that stop team from performing at their full capabilities. With cloud deployment support, the platform ensures accessibility from anywhere, allowing remote teams to work efficiently.