

# **Development of a Project Management System Using Agile and Scrum Methodologies**

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## ***Prokopyev D.A.* WEB-BASED PROJECT MANAGEMENT SYSTEM IMPLEMENTATION USING AGILE AND SCRUM METHODS.**

We present a project management system developed with a layered architecture, supporting user roles, sprint planning, and task tracking. The frontend is implemented in JavaScript and HTML/CSS, while the backend logic and database access are handled by a .NET Core REST API and PostgreSQL. Agile methodology guided the development, and Scrum roles and ceremonies were modeled in the interface. User feedback confirmed the usability of the MVP. Functional decomposition and modular UI improved maintainability.

**Keywords:** *Agile, Scrum, project tracking, MVP, layered architecture.*