

This bachelor's thesis is on the modernisation of library systems. It focuses on technologies such as single-page application, which streamlines network communication and reduces server usage. The goal was to describe and use modern technologies into a working application, that provides the user with a modern, streamlined and fast input environment metadata with the addition of the system for managing web content. A clear API has been created on the server to provide all the data not only for the main application, as well as for the related modules or other projects. The work also describes the technologies that make these streamlining possible.