

## **Abstract**

In the master's thesis, the main problems of the evolution and security of web applications, modeling of the methodology for detecting web vulnerabilities, as well as the development of a web vulnerability scanner are considered. Security is an important part of your web applications. Web applications, by definition, allow users to access a central resource — a web server-and, through it, others, such as database servers. By understanding and applying appropriate security measures, you protect your own resources, and also provides a secure environment in which your users are comfortable with your application. The dissertation consists of an introduction and three chapters, contains a list of references from 15 titles, includes 17 figures.