

## **ANNOTATION**

This thesis project is devoted to the research of incidents of vulnerabilities in corporate environments. The work on examples of manual and instrumental methods of detection shows the most common vulnerabilities of websites, such as: SQL-injection, XSS, CSRF, LFI, RFI, RCE. To demonstrate the manual detection method, was created a web page with the vulnerability of unauthorized requests, were shown and solved various tasks to detect the above vulnerabilities, considered and done the main steps in the implementation of pentest and was created an automated scanner application that uses dorks to search for vulnerable sites. Also, was conducted an analysis of working conditions during the development of the application and its operation. In the feasibility study, was made the calculation of the economic efficiency of the developed program.