

## **Annotation**

The purpose of this thesis project is the development of a data protection system on the Android and Windows platforms. In the process of writing the project was considered the Android OS and Windows OS. The analysis of platforms for the development of software products is described, detailed installation of development environments is described, protection system implementation is shown, methods of cryptographic data protection are considered, encryption algorithms are implemented, application protection is implemented.

In the economic part of the diploma project, I made a calculation of all the necessary costs associated with the purchase of equipment and software, and the calculation of operating costs was carried out.

On the part of life safety, I analyzed the natural and artificial lighting on the basis of one room.