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Project Report

**A Research on Security System – File Locking System in Personal
Computer**

Author

Lam Yu Pang (99107258)

1st Supervisor

Mr. S.W. Chee

2nd Supervisor

Ms. Chloe Thong Chee Ling

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Library Services
UCSI Education Sdn. Bhd. (185479-U)
No. 1, Jalan Menara Gading, UCSI Heights,
56000 Kuala Lumpur, Malaysia.
Tel: 603-9101 8830 Fax: 603-9102 3606
Website : www.ucsi.edu.my

Abstract

Lately, the usage of computer has been very popular in the community because it gives many benefits to us. However, there are problems regarding to data security in computer because anyone can have the chance to access to a particular file. This project will be focusing to file security software. The language which will be used to develop this software is Java JDK1.4.1_01 because it is cheaper, easier to learn and it is much easier to get the resources. The technique and mechanism used in developing this system software is mandatory locking technique where it prevents users to read and write to the file that has been locked. Besides, DES algorithm also being used for encryption purpose to double ensures that the file that has been lock is really safe. This software can protect data in the file in the computer hard disc by letting only authorize user to access the file.