

Field of Study Technology, communication and transport			
Degree Programme Information Technology			
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Title of Thesis Rent, Hire, Loan – C/S application			
Date	10th April 2012	Pages/Appendices	48+12
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<p><b>Abstract</b></p> <p>The purpose of this final work was to build up a Library management system which can be used to manage books and loaners' rental information.</p> <p>This project was made by two major tools, the first one is the Java programming platform, and another is the MySQL database. It consisted of two parts, which are a local server "Client Side" and a remote server "Server Side". It used Client-server mode to communication between the parts.</p> <p>This work implemented the simplified basic database functions of adding, deleting, updating and querying. It is an example of solutions which work in the Internet. This thesis text was divided into three parts. The first part of introduced the concepts of the library system and some related common knowledge of the project. It listed the basic requirements, towards which an analysis can be done to decide whether the system is useful or not. The second part showed the structure and some most important modules of the application. On the third part, a test was performed in the local computer and also the client-server functions were demonstrated. The textual document showed how this system was connected with the Internet, and opened consideration about the Internet-based security issues. Some user's errors were met in the run time checking, but a complete analysis of error tolerance could not yet be sketched in the work.</p> <p>As a result, this work describes a tiny information system for most common loan management activities. It can be used as a model or kernel for various loaning/hiring/rental systems, which work in C/S mode in the Internet.</p>			
<p><b>Keywords</b> Java language, database, Library management system, MySQL,C/S application</p>			