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| **Project Proposal**  **SYSC 5708**  **Model Driven Development of Real-Time and Distributed Software** |
| Fall 2014  Submitted To  Dr. Dorina C. Petriu  By  **Ferhan Jamal (100 953 487)**  Carleton University |

**Project Title:**

Library Management System

**Type of Project:**

UML Modeling

**Problem Statement:**

I am planning to make a UML project on library management system. It is mainly used to track items owned, orders made, bills paid, and patrons who have borrowed. With the number of students increasing in the university day by day, the demand for books in the library is also increasing. To handle that, a library management has been developed to keep the records of all the books taken by the students and various things associated by it. This software has been made to handle some specific functions in the library. This type of system is very common in the library and it is frequently used by every student in the library.

The basic things which a student can do in the library by using library management system are reserving a book, extending the issued book deadline, online enquiry, paying bills. The other things which a librarian can do from their sides is adding the books if any specific books is out of stock or on the verge of out of stock, reporting of invalid student id, payrolls maintenance etc.