

HW2: Interaction Modeling *(10 points, due on 08.10.2013 at 10 am)*

Read carefully the parts of chapters 11, 12 and 13 selected from the book.

Following the methodology defined in these chapters model a system for managing a library based on the following description:

The library has a name, holds a number of books each of which has a title, author and unique catalogue number. There are registered borrowers each with a unique name. A borrower may borrow a book and return it. However, each book transaction must be recorded by a librarian. She is also expected to register a new borrower, be able to display in increasing catalogue number order those books available for loan and those already out on loan. The librarian should also be able to see a report of overdue book loans.

Requirements

- Create a domain class model;
- Create a use-case diagram;
- Create mainstream and exceptional scenarios for each use case;
- Define a sequence diagram for each use case;
- Create an application class model.

Notes:

- use MagicDraw to create the models;
- the task is to be completed in pairs;
- submissions: one of the members of the group has to log in and submit the assignment using the link "submit" on the course webpage. Please specify in a comment the members of the group. The submission should consist of only 1 pdf file.