

A system for a library – initial description

A self borrower library system must be developed. Using this system borrowers must be able to:

- ❑ borrow materials
- ❑ return materials
- ❑ reserve materials
- ❑ look up information on different materials

All borrowers must be registered with ssn, name, address, phone, e.g. mail and status. The status represents information on whether or not a borrower is allowed to borrow a material. On repeated violations of the rules (see below) the library must be able to exclude a borrower from borrowing materials (status is set to “negative”).

The library contains several types of materials. Here we simplify to cover only books. For each book the system must register: ISBN, title, author(s), language, publisher. For each copy a copy number, borrower period, status and placing.

All borrowers have a library ticket where the ssn is the pin code. In order to borrow materials a borrower must identify himself by using the ticket and the code. The following rules apply when borrowing materials:

- ❑ You can not borrow new materials while you still have old materials which are due
- ❑ You can borrow a maximum of 20 materials
- ❑ You can not borrow new materials if you have a negative status

When reserving materials the ssn is used as code as well. The rules for reservations are:

- ❑ You can reserve a maximum of 10 materials
- ❑ You can not reserve materials if you have a negative status