**You need to implement a Library application (back-end part).**

The application should allow the following functionalities:

* Register new librarian (optional)
* Register new account with various price ranges
  + Premium account
    - Price: $10
    - Can borrow maximum 10 books at the same time
  + Gold account
    - Price: $7
    - Can barrow maximum 7 books at the same time
  + Silver account
    - Price: $5
    - Can borrow maximum 5 books at the same time
* Account is able to borrow a book for a period of time
  + And can extend the period of time for a maximum
    - 5 times for premium account
    - 4 times for gold account
    - 3 times for silver account
* One account cannot see what other accounts have borrowed, but they can see the status of the books (borrowed, available, coming soon)
* Account can mark books as interesting for them, if not available they should be informed when they become available
* Books can be searched
  + By name
  + By author
  + By ISBN
  + Partial searches are allowed, wildcard must be supported