# Overview

Project is aimed to create information system of the library. Designed system should provide web user interface for user interaction.

# Technical Details

Developed system should be a client-server application. User should interact with the system via web interface.

Problem set #7 can be used as a base for the project. Use any third-party component like CS50 PHP library according to licensing terms.

## Data base

Following information should be available and maintainable in the system:

* List of available authors,
* List of available genres,
* Information about books including each book’s genre(s) and author(s),
* Registered users,
* Any orders ever made including information about registered user, taken books, track of returned books.

## Functional Requirements

* System provide means of authorization
  + System should ask for user’s nick and password for a registered user
  + System should provide registration form for a new user
  + System should store the following info about each user:
    - First name
    - Last name
    - Address
    - Phone number
    - Nick
    - Password in an encrypted form
* System should provide main page with general info about the library
  + For registered user system should provide
    - link to page with user’s orders
    - link to page with user’s info
    - link to page with library books
  + For an unregistered user system should provide
    - link to page with library books
* System should provide page with library books
  + System should provide search by
    - Book title
    - Author
    - Genre
  + For registered user
    - System should allow to order available book
* System should provide page with user’s order(s) info
  + For not registered user system should redirect to authorization page
  + For registered user
    - System should list all orders ever made by user
    - System should list all books per each order
    - System should allow not more than one active order for each user
    - System should show if order is returned or not