

# LAB 321 Assignment

Type:  
Code:  
Point:  
Slot(s):

Long Assignment  
J3.L.P0002  
600  
NA

**Title:** Book Store

## Background

Build a website to sell IT books like TIKI.VN

## Program Specifications

In this assignment, you are requested to develop a simple Ecommerce website to sell IT books. **Student must use Servlet as Controller and follow MVC2 model.**

### Features:

This system contains the following functions:

- Function 1: Login- 50 Points
  - In order to shopping, an authentication is required.
  - If the user has not authenticated, the system redirects to the login page.
  - The actor enters userID and password, the function checks if the userID with the password is in the available user list, then grant the access permission. If not, a message would appear no notify that user is not found.
  - Login function is required to shopping.
- Function 2: Search- 50 Points
  - List all books available in the system: status is active and quantity greater than 0.
  - Each book has a title, image, description, price, author, category, ...
  - User can find the book based on name or range of money or category.
  - All users can use this function (login is not required)
- Function 3: Delete- 50 points
  - Only Admin role has permission to do this function.
  - Remove the selected book.
  - The confirm message will show before delete action.
  - Update list book after delete.
  - Remember that delete action is update the status of the book to Inactive.
- Function 4: Update- 50 points
  - Only Admin role has permission to do this function (login is required)
  - Update information of the selected book: tittle, price, author, category, import date, quantity,...
- Function 5: Insert- 50 points
  - Only Admin role has permission to create a new book.
  - Create new book.
  - Date import is current date.
  - The default status of new book is active.
- Function 6: shopping- 100 points
  - All users can use this function except Admin role (login is required)

- Add the selected book to shopping cart. The default quantity is 1.
- Each user can buy any available book in the list (not limit the amount book want to buy)
- User can view the selected book in the cart. For each book: book name, amount, price, total. The screen must show the total amount of money of this cart.
- User can remove the book from the cart. The confirm message will show before delete action.
- User can update amount of each book in cart.
- Click the Confirm button to store the booking to database (must store the buy date time). The warning message will show if the select book is out of stock.
- Function 7: Discount code- 50 points(extra)
  - When user shopping can enter the discount code.
  - Each discount code is mapped with one user and using one time.
- Function 8: Shopping history- 50 points(extra)
  - User can take over the shopping history.
  - Support search function: search by name or shopping date
- Function 9: Integrate online payment- 100 points (extra)
  - User can pay online
- Function 10: Create discount code- 50 points( extra)
  - Only admin can user this function.
  - Create discount code which has some basic information: ID, discount percent, date.

\* The above specifications are only basic information; you must build the application according to real requirements.

\* You have to build your own database.

\* The lecturer will explain the requirement only once on the first slot of the assignment.