# Lab 4 – JSP/ JSTL/ DAO

## ~~Q1.~~

~~Write an MVC application as follows~~.

* ~~index.jsp – link to ListUsersServlet~~
* ~~model.User – domain class User with fields name and address.~~
* ~~dao.UserDAO with~~
  + ~~constructor which creates 3 user objects and stores in a list~~

~~List<User> list() which returns all user objects~~

* ~~controllers.ListUsersServlet~~
  + ~~calls UserDAO.list() to get a list of Users~~
  + ~~Forward this list to listUsers.jsp~~
* ~~listUsers.jsp - Display information about all users~~.

## Q2.

Write an MVC application as follows.

* index.jsp – link to ListBooksServlet
* ~~model.Book – domain class Book with fields title, author and year.~~
* ~~dao.BookDAO with~~
  + ~~constructor which creates 3 book objects and stores them in a list~~
  + ~~List<Book> list() which returns all book objects~~
* ~~controllers.ListBooksServlet~~
  + ~~calls BookDAO.list() to get a list of Books~~
  + ~~Forward this list to listBooks.jsp~~
* ~~listBooks.jsp - Display Book information about all books.~~

## ~~Q3.~~

~~Extend the previous example so that a new Book object can be added to the BookDAO.~~

To do this question, we need to add method to BookDAO which will save passed book to the bookList. Next in BookController, new book object must be created and then added to the list with BookDAO.instance.<save-method-name>(<object-reference>)