Introduction to Web Technology

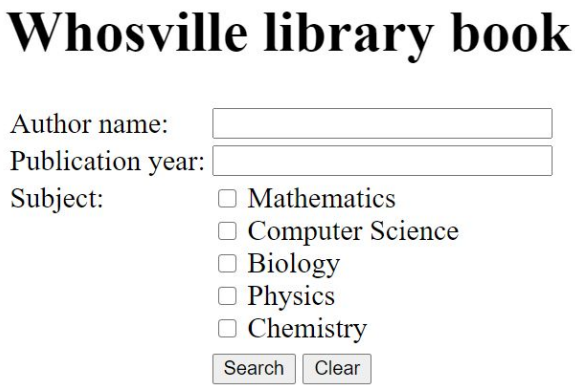
Lab Programming Exercise (Week 5)

(this is not an assignment)

Part 1. The library at a fictional Whosville College provides an online web form for the students to search for books in the library. The server service for this web form is running at `http://library.whosville/bsearch` with method GET and it accepts the following parameters:

- `author`: this parameter is to specify the author of the books;
- `year`: this is to specify the publication year;
- `sub`: this parameter is to specify the subject of the books. It can accept multiple values, and the valid values are: `mth` for Mathematics, `cs` for Computer Science, `bio` for Biology, `phy` for Physics, and `chem` for Chemistry.

Create a web form that look like the following:



Test the web form. If the web form works correctly, then when the user enters `smith` for author name, `2020` for the publication year, Biology and Chemistry for subjects, and clicks Search, then the URL should show:

`http://library.whosville/bsearch?author=smith&year=2020&sub=bio&sub=chem`

Part 2. Go to the website `https://ebay.com.au` and play with the search web form. Type some keyword and choose some category to search. Try to find out the following information:

- What is the action of the form?
- What is the parameter for the keyword?
- What is the parameter for the category?
- What are the values for the following category: Art, Book & Magazine, Coins, Music, Stamps, All categories?

After obtain the above information, create a web form that look like the following:

Ebay search

Keyword:

- ○ Art
- ○ Book and Magazine
- ○ Coins
- ○ Music
- ○ Stamps
- ○ All categories

Search

Test the web form. If the web form works correctly, then it should submit to the ebay server and display correct results.

END OF THE PROGRAMMING EXERCISE