Exercise11: Angular Js

Objectives:

To learn to use angular js framework

Work with your group (or by yourself). Each group is to upload only one submission.

1 Run UwAmp server

UwAmp is a WAMP server (Windows Apache MySQL, PHP). It does not need administrator privileges to install/run. You can download it by using the following steps. You can also run it off a USB stick.

1.1 Download UwAmp

1) go to http://www.uwamp.com/en/?page=download
2) download .zip file .and extract the contents into a folder.
3) change the port number to 8080
4) start UwAmp

1.2 Check to make sure it is working ok

1) Run UwAmp
2) Select the first two check boxes you get.
3) Make sure that ALL the code you want to run is in a folder INSIDE www folder of UwAmp

2 Warm Up: Try Some Examples

1. First, open blackboard, go to Course Contents, and then download exercise11.zip file into your workspace (U:\workspace or something like that!). Then, unzip.
2. Copy all the contents of the assignment to www folder of Uwamp.
3. Play with each of the given examples (in examples directory). Open them using a text editor of your choice and modify parts of the html or js files.

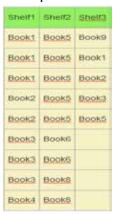IT IS REQUIRED THAT YOU TRY EACH EXAMPLE.

3. Library

The goal of this exercise is to design and implement a books library using angular Js framework. Use angular js views, controllers and routing to design your books library.

Assume there are a fixed (reasonable for testing purposes) number of books present in the Library. No need to add or remove books from the library. Books will either be with a borrower (i.e. checked out) or with the library.

The Library object should perform following operations (from a student's viewpoint)

- Get list of all shelves.
- Show library with current shelves and books (HTML table is generated on the fly where each column is a shelf. Each cell is a book – clicking on the cell gives the details)
  Example :

Shelf1	Shelf2	Shelf3
Book1	Book5	Book9
Book1	Book5	Book1
Book1	Book5	Book2
Book2	Book5	Book3
Book2	Book5	Book5
Book3	Book6	
Book3	Book6	
Book3	Book8	
Book4	Book8	

MAKE SURE TO:

- ☐ Use Angular views and controllers. **THIS MUST BE A SINGLE PAGE APP**.
- ☐ It should contain minimum **two views** one for Library, and another for Book.
- ☐ Use **routing** to navigate to different views.
- ☐ Make sure to have the **Library object** perform the required operations.
- ☐ Make sure to use **ng-repeat** to draw table.
- ☐ Write a Client HTML code that includes the angular ng-app and use ng-views
- ☐ **You will need to submit all your controller files, app.js and html files**