

Module 4 & Module 5, Part 1

Client-Side and Server-Side Web Scripting

TASK GUIDE: Team Activity

Objectives: This activity should enable you to:

- Utilize the core language of JavaScript, the Document Object Model (DOM), and other APIs to implement client side logic and generate dynamic Web content.
- Utilize the basic features of PHP in order to provide server-side features on data processing
- To demonstrate how client-side and server-side scripting technologies, together with HTML and CSS, can be integrated.

Guidelines:

1. Use vanilla code for all technologies used in the application (*no using of Bootstrap, JQuery, etc.*). Any external fonts and multimedia resources should be downloaded locally.
2. Use the DOM API as the **primary** means to generate web content dynamically.
3. Please note the minimum requirements for server-side functionality:
 - a. Add data to the database. Do NOT choose to implement user management (e.g., registration). Instead, choose some transaction / operation that is pertinent to the main purpose of the application
 - b. The added data will be used for information display, which should contain basic filter/search and sort options.
4. Although the above features may be in the same module (that is, for the same user role/type), it may be better to have the saved data viewed by another user role/type)..

Deliverables:

1. Document with the following format and content:
 - a. **Format**
 - Folio (8.5x13 page size)
 - Arial font, size 11
 - b. **Content**
 - Cover page that contains the team name, class code, alphabetical list of members
 - Screenshots of the implemented features of the application (include descriptions as necessary)
 - Peer Accomplishment Report with percentage contribution
2. Physical Database (please include Create Schema to facilitate the import process).

3. Project Folder archived in .zip format. Organize the web resources accordingly to prevent broken links and broken code. Provide a readme file, if necessary.
4. Use the naming conventions: 312team-**teamname-mid.pdf**, 312team-**teamname-mid.sql** and 312team-**teamname-mid.zip** for #1, #2 and #3 respectively.