

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.