Project 4

**Purpose**

- Students will create a shopping cart website by leveraging PHP, HTML, CSS, and JavaScript to allow users to search for and add movies to their shopping cart.

**Project Objectives**

 After completing this project, students will be able to:

1. Describe the purpose of using PHP to create dynamic webpages.
2. List and explain common PHP statements.
3. Explain how PHP dynamically creates an HTML webpage.
4. Describe the server-side nature of PHP.
5. Design, develop, and publish a dynamic webpage using PHP, HTML, CSS, and JavaScript on a web server.

**Directions**

* Review the requirements listed in the **Project Requirements** section
  + Do not forget to review the material in the related modules
    - Modules 5,6 & 7
* Create the web page(s) that meet(s) all of the stated requirements
  + Students may freely use HTML, CSS, and JavaScript code from the following sources:
    - zyBooks textbook
    - w3schools.com
  + Students should avoid simply copying and pasting code from other sources
* Upload all related files to the **Course Web Server**
  + Note: Students will not submit anything to Canvas.
* Test the web page(s) on the Course Web Server to ensure proper operation
  + The web page(s) will be graded on how they function on the Course Web Server
* Finish the project before the posted due date (refer to the Course Schedule)

**Required Tools**

- Students will be required to use one or more of the following tools to earn a passing grade on the project. Each of the tools listed below can be downloaded for free or already exist in the indicated operating system.

* Web browser
  + Chrome or Firefox (recommended)
  + All other browsers should be avoided during this class
* Plain text editor (avoid Rich Text editors)
  + Windows
    - Notepad++
  + Mac OS
    - TextWrangler
    - TextEdit (plain-text mode)
  + Linux (terminal)
    - pico
    - vi
* Secure Shell (SSH) client
  + Windows
    - BitVise
  + Mac OS and Linux (terminal)
    - ssh
* File transfer tool (must support SFTP via SSH - **DO NOT USE FTP**)
  + Windows
    - BitVise
  + Mac OS
    - CyberDuck
    - sftp (terminal)
  + Linux (terminal)
    - sftp

Students may also choose to use the following Integrated Development Environment (IDE) to create the files for the project.

* PHP Storm ([download linkLinks to an external site.](https://www.jetbrains.com/phpstorm/download/#section=windows))
  + Available for Windows, Mac OS, and Linux
  + Students can apply for a free one (1) year license ([learn moreLinks to an external site.](https://www.jetbrains.com/community/education/#students))

Text

AI-generated content may be incorrect.**Project requirements**

Text

AI-generated content may be incorrect.

Text

AI-generated content may be incorrect.Text

AI-generated content may be incorrect.Text

AI-generated content may be incorrect.

Graphical user interface, text, application

AI-generated content may be incorrect.Graphical user interface, text, application, email

AI-generated content may be incorrect.

Text

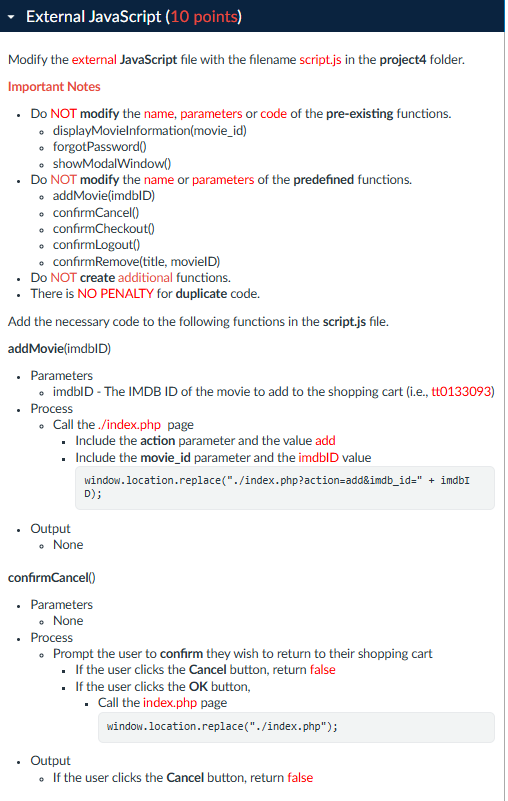
AI-generated content may be incorrect.Text

AI-generated content may be incorrect.

Graphical user interface, text, application, email

AI-generated content may be incorrect.Graphical user interface, text, application, email

AI-generated content may be incorrect.

Text

AI-generated content may be incorrect.

Graphical user interface, text, application, email

AI-generated content may be incorrect.Text

AI-generated content may be incorrect.Graphical user interface, text, application

AI-generated content may be incorrect.Text

AI-generated content may be incorrect.Graphical user interface, text, application

AI-generated content may be incorrect.