

2014 Skills Ontario Web Site Development Competition

Tuesday, May 8, 2018

Toronto Congress Centre

Toronto, Ontario

The Hunton Collection

Scenario

Strategically located near two colleges and a university, The Hunton Collection (THC) has offered students great prices on a fantastic selection of films for the past 32 years. Students have traditionally stopped by THC before any other film store when they go for general entertainment or school. THC guarantees to pay the best prices in town for anyone looking to sell their used films as well. Locally, they are well-known for their vast collection, knowledgeable staff, and the relationships they have built with their customers. They are particularly popular with students studying film in arts degrees. As well as things have gone for them, they have noticed that quite a lot of their customers have started buying films online, especially students. Currently having only a modest set of Web pages that contain their contact information, history, and some photographs, THC started a competition to build the next version of their Web site. While they are very interested in having a modern design to the new site, their primary requirement is being able to sell their films online just as some of their counterparts are currently doing. As one of the competitors in this fictional THC competition, it is your job to create a new and modern Web site that allows them to add, update, and delete films, and their visitors to view a selection of films that they may purchase. Note that they are not concerned with, nor have the capability at the moment, to stream films; but rather just sell them.

Content Requirements

- a films page containing a listing of films available for purchase.
- an about page containing historical information.
- a contact page containing a Web form that may be used to send an email message to THC, as well as their telephone number and store address.
- an administrative area that the site administrator will use to add, update, or delete films.

You are being provided with a text file called lipsum.txt, which contains placeholder text that you may use anywhere in your solution (e.g. the about page). A selection of film posters is also provided.

Technical Requirements

Your solution must also follow the below technical requirements:

- all pages must be written using valid (X)HTML.
- the films page is to display the films from a database.
- the Web form on the contact page is to contain proper labels, textboxes for forename, surname, email address, and subject, and a textarea for the message itself. Furthermore, the inputted data is to be validated using both client-side JavaScript **and** server-side PHP, and if input errors

exist, they are neatly presented to the user using a list. To simplify matters, the form is not to actually send an email message anywhere.

- the administrative area should be available by a link somewhere on the site, however it will only be accessible by using the proper administrative credentials. Please make note of these credentials such that your solution may be properly judged at the end of the competition.
- your solution is to use the following frameworks: Bootstrap and jQuery.

Web Server

The XAMPP package will be used during the development and testing of your project solution. You will find a copy of XAMPP installed under C:\xampp\. Your solution is to be stored locally under C:\xampp\htdocs\x\ where x is your competitor number (e.g. 01 or 02 or ... 10, etc.). To view your project under XAMPP's instance of Apache HTTP Server, navigate to <http://localhost/x/> in a Web browser. XAMPP documentation, application demos, and access to phpMyAdmin is available from <http://localhost/xampp/>. During the development of your project you are to **use relative hyperlinking between documents**. Failure to do so will result in inaccessible hyperlinks when your project is uploaded to the judging server.

Database

phpMyAdmin will be used as an interface to MySQL. The default user for your database under XAMPP is root. The password for this user is an empty string (i.e., ""). You are to leave the default database user settings, as these will be the settings used on the judging server. You are to also design a normalized relational database that will support your solution. Please make note of your database name such that your solution may be properly judged at the end of the competition.