

Final (Comprehensive) Examination

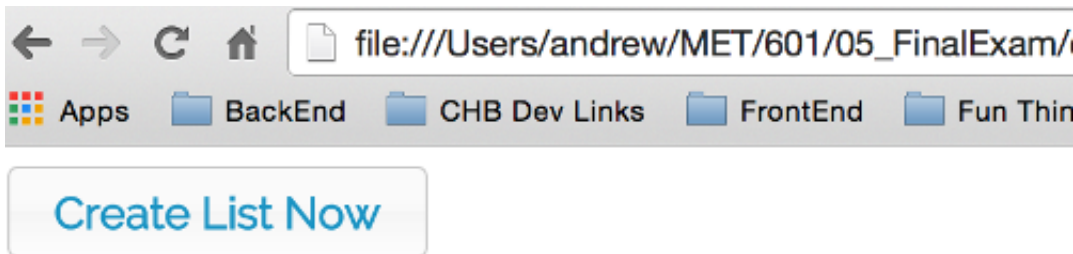
Question 1

First, write a very small, basic HTML 5 page. Link to an external stylesheet, named "styles.css". In that external CSS file, configure an rule that will match on an attribute of alt="Read More" to have a color of #A52A2A. Then, create an embedded stylesheet in that same HTML 5 page, with a rule defined that says when there is an article element with span as a direct descendant that has an attribute of alt="Read More" to have the content within that span use 1 inch of spacing between its letters.

Question 2

Create an array literal with the following values: "Frank","Mike","Peter". Create a button within a basic HTML 5 page. Use the jQuery ready function to bind to your button. When your button is clicked, dynamically create a ordered list from your array literal values.

Before click:



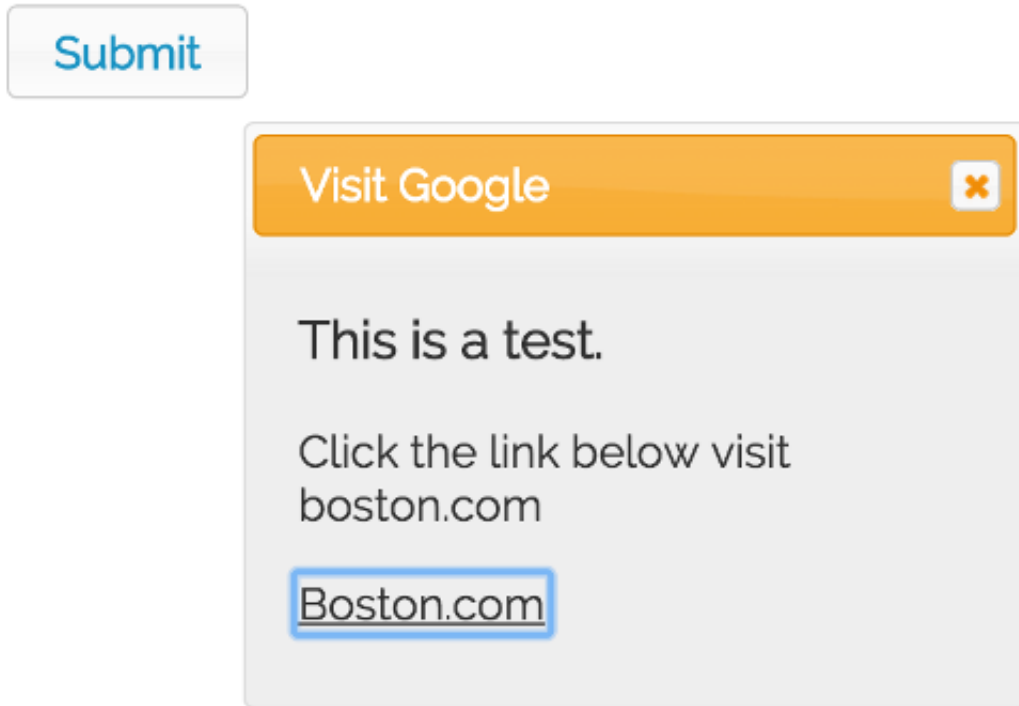
After clicking:



- Frank
- Mike
- Peter

Question 3

Create a button on a simple HTML 5 page. Using the jQuery ready function, raise a jQuery dialog saying, "This is a test. Click the the link below to visit Boston.com" The layout and spacing inside the dialog is important, but the dialog colors are not.



Question 4

Create a HTML form with two radio buttons. One radio button will have "Yes" and the other radio button has "No". The name of both of these radio buttons is "decision". Have a textarea that has the name of "comments" and a hidden form field with the name of "session_token". Have this form post to a PHP page that will echo out all submitted values in a complete HTML 5 document in a ordered list.

Question 5

Write a Ajax call to a PHP page that returns the weather for 2 cities: Boston and Chicago. The PHP page returns JSON-formatted data based on the city you send in your AJAX request. The user will type in a city in a textfield. You will then output the weather below that textarea. "Boston", "Sunny", "74" and "Chicago", "Cloudy", "80". If the user types in a city that is unknown, return "I don't know the weather for that city."

Question 6

Which attribute will specify the text to show when the browser cannot not download the image?

- ☐ alt
- ☐ text
- ☐ src
- ☐ None of these are correct.

Question 7

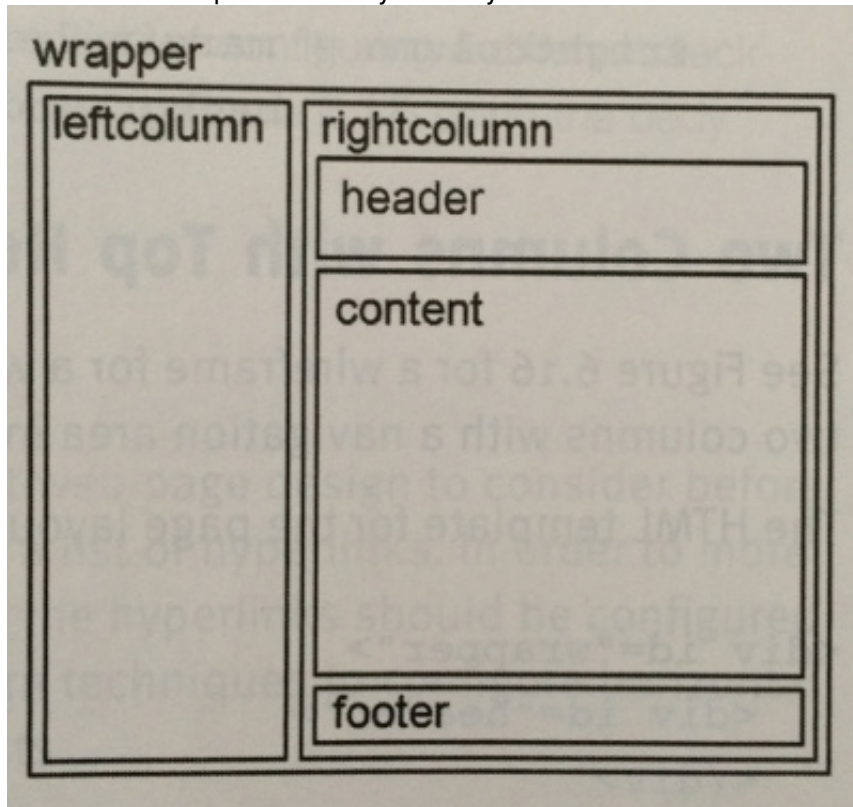
Demonstrate how you would write a PHP function to use a default value when a value is not passed in?

Question 8

Show how you hide both columns, id="menu" and id="advertisers" when a client has a device width less than 500 pixels.

Question 9

Create a layout, following the example below. Put the words you see in the image into your HTML markup to show your layout works.



Question 10

Given a database table:

CART

Column Name	Data Type	Width	Null?	Primary Key?
email	varchar	1024	Not Null	No
user_id	int		Not Null	Yes
password	varchar	5000	Nullable	No

- Only using one query statement, query the table for all users with empty (null) password **or** a password that has a length less than three characters.
- Update any user's email address to be "andrew@bu.edu" when it was entered as asheehan@bu.edu.
- Delete a user with the id of 12.