

Test Preparation Questions

Class	Question
Class 14: Web Design	<p>How does user experience design differ from aesthetics? From a user experience perspective it is important to be consistent?</p> <p>What is a paper prototype? What are widget toolkits What is usability design? What is the artistic design of a website? Why is consistency within a website important? Why is consistency with other websites important? Which are two primary principles of usability?</p>
Class 15: Web Development	<p>Which is a story? What are the four elements of a backlog entry? Which considerations are priority based on? What should you do if a story is blocked by something missing? What does the three level architecture comprises? In planning poker, why do members display numbers at the same time? Why does planning poker use the Fibonacci sequence? What is planning poker's value to the team? What does business logic capture?</p>
Class 16: Unobtrusive Javascript	<p>What information does the window object contain? Why do you need to attach event handlers to events using the window.onload event? In JavaScript, what does the keyword "this" refer to? Why use unobtrusive JavaScript? Where does JavaScript come from? Where does JavaScript run? Which languages does the server run? The client runs How can HTML and PHP be separated? MySQL is an example of What do most Database Management Systems use? In a database, what is a relation. Database Management Systems provide Which properties does the document object contain?</p>

Class 17: Scriptaculous and SQL

Which properties does the location object contain?
Which properties does the navigator object contain?
Which properties does the screen object contain?
What does the SQL "SELECT" command do?
What does the SQL "JOIN" clause do?
What does the SQL "WHERE" clause do?
What does the SQL "ON" clause do?
What does the SQL "INSERT" command do?
What does the SQL "REPLACE" command do?
How do the SQL command "INSERT" and "REPLACE" differ?
What happens if you leave off the WHERE clause on a SQL UPDATE command?
What happens if you leave off the WHERE clause on a SQL DELETE command?
What is the SQL command to delete an entire database from the server?
What is the SQL command to add a new database to the server?
Which of the follow are three SQL data types?
Which of the following are three SQL constraints?
What is the SQL command to put a new column into a table?
The SQL command to remove a column into a table is ALTER TABLE <name>
How many rows does a cartesian product of two tables one with m row and one with n rows have?
To create the cartesian product of tables a, b, and c, use

Class 18: SQL and More Events and Validation

How do you connect to a database in PHP?
If the PHP variable \$db contains a PDO object, how do you get information from that database in PHP.
If the PHP variable \$rows contains a PDOStatement that points to a table with a "name" column, how would you access that column?
If the PDP variable \$db constains a PDO object, how do you sanitize the content contained in the PDP variable \$input?
If a website uses -- \$rows = \$db->query("SELECT year FROM student WHERE name = '\$name'"); -- how could you delete the "student" table?
how do you keep your program from crashing when an error occurs using PDO?
What is a primary key?
A foreign key is

Class 19: User Login and Ajax

What happens first when cookies are sent?
How long does a session cookie last?
How long does a persistent cookie last?
Which global object are cookies associated with?
How do you set a cookie in PHP?
How do you get information from a cookie called "name" in PHP?
How do you get information from a session variable called "name" in PHP?
What is the PHP command to start a session?
What capability does Ajax give HTTP?
What is an example of a web site that would need Ajax?

Class 20: XML

An example of an XML language is
Languages in XML define
What does the XML prolog begin with?
How many root elements does xml have?
What is an advantage of XML?
What is a disadvantage of XML?
What are the languages for defining XML languages?
What are examples of XML DOM properties?
What are three examples of XML DOM methods?
If "node" is a variable containing an XML node, what does node.getElementsByTagName("tag") return?
If the first four steps in using Ajax are: 1) use Ajax to fetch data 2) use Dom methods to examine the XML, 3) extract the data, 4) create new HTML nodes and populate with extracted data, what is the fifth step?

Class 21: Ruby on Rails

What is Heartbleed?
What are Java programs for the web called?
What does the controller in the Model View Controller pattern do?
What does the model in the model view controller consist of?
What is an advantage of a web development framework?
What is a feature of Ruby that is different from most other languages?
Which of the following statements is true of Rails?

22 jQuery

What is a significant reason to use jQuery?
What is an advantage of jQuery?
How can you use jQuery without loading it onto your own server?
What is a short way to write the JavaScript statement "window.onload = function() {<handle events>};" in

jQuery?

Which of the following jQuery statements selects a single DOM node?

What is the jQuery equivalent of "getElementById("myid")"?

Adobe Flash Player is

As of 2014, what is Flash most likely to be replaced by?

What is the HTML5 tag that supports graphical animations.

What is a problem with Scalable Vector Graphics?

What is Actionscript?

What is a problem with HTML5?

23 Flash