

CSC 415 WEEK 8 STUDY GUIDE

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All tests, including this one, are comprehensive, so there may be questions on any course topic that has been covered to date. However, emphasis on the week 8 test will be on material covered since the midterm. In particular, there will be questions on ASP.NET generic http handlers, CSS, and JavaScript.

1. ASP.NET

The `IHandler` interface (its methods and properties), generic HTTP handlers, the `HttpContext` object and its main properties, which are `Request`, `Response`, `Server`, `Session`, and `Application`.

The role of the global application class; how web listeners are handled in ASP.NET compared to how they are handled in Java Servlets.

How the file upload mechanism in ASP.NET compares and contrasts with the Servlets file upload. In particular, be able to compare and contrast the `Part` interface in the Servlets specification with the concept of a `HttpPostedFile` in ASP.NET.

2. CSS

Understand the three client-side web technologies HTML, CSS, and JavaScript, and their role for in content, style and presentation, and interface behaviour.

Different ways in a HTML document is associated with CSS rules: external, internal, and inline style sheets. What is meant by the “cascading” in CSS. Structure of CSS rules. Be able to name a few CSS properties and explain their use, including margin and padding.

3. HTML

Elements and attributes. General element attributes like `name`, `id`, and `style`. The purpose of form elements, the form attributes such as `action` and `encoding` attribute. The `<script>` and `<style>` elements.

4. JAVASCRIPT

Primitive types `String`, `Number`, `Boolean`; Reference and Object types: `object`, `array`, and `function` objects. JavaScript variables and values `null` and `undefined`. Using `==` and `===` to check for equality. The BOM and DOM. The `getElementById()` method of the `document` element. Important properties and methods of the `window` object.

Use of the global methods `alert()`, `setInterval()` and `setTimeout()`.

JavaScript events and event handling. How to set event listeners on elements. The capture, target, and bubbling phases of the event propagation process. Default actions for events and how to stop the default action from occurring. Difference between the target of an event and the current target of event.

5. OPEN BOOK PORTION

If there are questions that involve significant amounts of coding, they will be open book.