44-563 Web Services Technology

Exam 1 Study Guide

HTML

Basic structure of an HTML document: <html>, <head>, <body>, <title>

Headings and paragraphs: <h1>, <h2>, <p>

Lists: <ul>, <ol>, <li>

Tables: <table>, <thead>, <tbody>, <tr>, <th>, <td>

Links to other pages: <a>

Images: <img>

CSS

Linking a stylesheet to a web page: <link>

Colors: background-color, color

Fonts: font-style, font-weight, font-family

Borders: border, border-style, border-width, border-color

XML

Basic structure of an XML document: elements, root element, subelements, attributes

Representing simple expressions in MathML: HelloMML.xml, QuadraticMML.xml

Representing simple shapes in SVG: Picture.xml

Namespaces

Naming collisions

URI for a namespace

Prefix for a namespace

xmlns attribute

DTDs

!ELEMENT, !ATTLIST, EMPTY, #PCDATA, ?, \*, +, CDATA, ID, #IMPLIED, #REQUIRED

Given a DTD and some data, represent the data in XML so that it conforms to the DTD

Given an example XML document, write a DTD that specifies its format

XSL

Path expressions in XPATH

XSLT: for-each, if, value-of, sort

Schemas

Be able to read and analyze a schema

Be able to answer questions regarding the structure of XML documents that conform to the schema