

MOBILE INTERNET APPLICATIONS— XML-based Languages

Lesson 08 XHTML-MP

XHTML-MP (EXTENSIBLE HYPERTEXT MARKUP LANGUAGE MOBILE PROFILE)

- Deployed by WAP 2.0
- XHTML has two forms—XHTML basic and XHTML-MP
- XHTML basic—HTML with strict syntax
- XHTML-MP is for mobile devices and PDAs

AN XHTML DOCUMENT

- Can be parsed using a standard XML library and processed like any other standard XML document but using the same set of tags as in HTML
- XHTML 1.1— a W3C recommendation since middle of 2001

XHTML

- Can be partitioned into modules and provides for navigation from one module to another
- This feature is characteristic of XLINK
- For example, WML deck is partitioned into cards and navigation from one card to another is permitted through hyperlinks

XHTML

- XHTML basic does not support scripting but supports the basic forms with POST/GET features as in case of HTML
- It supports tables but not the client-side style sheets since small devices are assumed to possess small computation resources
- Frames are also not supported in basic XHTML

XHTML 2.0

- New features added
- The elements can function as a hyperlink or with src attribute
- The src is attribute which specifies a source file, for example, a jpg image file
- This feature is similar to the cards in WML
- XHTML 2.0 user agent parser is compatible with XHTML 1.1

XML-BASED USER INPUT SPECIFICATION

- HTML form will be replaced by XML-based user input specification and can be displayed as per user specifications and on the appropriate display devices
- XFORMs permitted

XML-BASED USER INPUT SPECIFICATION

- XFrames— new features compared to HTML frames
- The document object model (DOM) events— now XMLEvents and will use XML DOM

XHTML 2.0

- Has a number of modules
- Edit, presentation, meta information (abstract or title of information, which specify how and what the full information are) of a document, text, list, table, forms, structures, targets, bi-directional text, style-sheets, server-side image map, client-side image map, scripting, and link

SUMMARY

- HTML Not rigid in syntax
- XML rigid
- XHTML has two forms—XHTML basic and XHTML-MP
- XHTML basic— HTML with strict syntax
- XHTML-MP— for mobile devices and PDAs

End of Lesson 08

XHTML-MP