Mission: “Our mission is to enumerate and share the different topics, terminologies, and techniques that have been tackled during the lecture class.”

Vision: “To create a well-formatted and arranged list and definitions of the topics discussed in class for future reference of the students.”

Javascript

* It was developed in 1995 by Brendan Eich from Netscape Communications to become the scripting language for NNB (Netscape Navigator Browser). Standardized by ECMA International as ECMAScript and was called Mocha, LiveScript, and then we know it today as JavaScript.

Latest versions

* JavaScipt 1.8.1
  + The addition of Tracemonkey just-in-time compiler is the main change in this release to improve performance.
* ECMAScript 5 [ECMA-262 5th Edition]
  + This latest revision was made to look like it will be one of the reason for few years of excitement on the web.

JavaScript Frameworks

* script.aculo.us
  + Makes your web sites and web applications faster by giving easy-to-use, cross-browser user interface JavaScript libraries.
* jQuery
  + A JavaScript library that is fast, small, and feature-rich.
* MooTools
  + A collection of JavaScript utilities designed for the intermediate to advance JavaScript developer.
* Prototype
  + Designed to give solutions to real-world problems, it can add extensions to the browser scripting environment and provides elegent APIs.
* Dojo Toolkit
  + A toolkit for JavaScript that can help you save your time and is able to scale with your development process by providing everything you need to be able to build a functional Web application.

Document Object Model (DOM)

* Can be accessed via the document object property of the global window object.

Functionality

* Reticule references to nodes (or node collections) in the DOM
  + getElementById(), getElementsByTagName(), byClassName(), byname()
  + querySelector(), querySelectorAll()
* Traverse the DOM tree
  + parentNode, parentElement
  + childNodes, children
  + firstChild, lastChild, nextSibling, previousSibling
  + firstElement, lastElementChild, next/previousElementSibling
* Construct/copy nodes
  + createElement(), createTextMode(), createAttribute()
  + cloneMode(), importMode()

DOM Objects

* Anchor, Applet, Attr, Comment, DOMException, DOMImplementation, DocumentFragment, Element, Event, Form, Image, Input, Layer, Link, Node, Option, Select, Style, Text, TextArea

Keywords

* break, case, catch, continue, default, delete, do, else, finally, for, function, if, in, instanceof, new, return, switch, this, throw, try, typeof, var, void, with

Java EE

* is a standard enterprise software in the community that was developed using the Java Community Process, with contributions from industry experts, commercial and open source organizations, Java User Groups, and countless individuals.

Java EE APIs

* Enterprise JavaBeans Technology
  + Promotes fast and simple development of distributed, transactional, secured, and portable Java technology applications.
* Java Servlet Technology
  + Gives web developers a simple and consistent mechanism for accessing existing business systems and extending the functions of a web server.
* Java Server Pages
  + Enables a fast and simplified way in creating a dynamic web content.
* Java Server Pages Standard Tag Library
  + Encapsulates as simple tags the core functionality common to many web applications.
* Java Server Faces
  + Simplifies web application development by giving a component-centric approach to improving user interfaces of Java Web.
* Java Msg Service API
  + A programming application interface which provides Java language functions for handling messages.
* Java Transaction API
  + Enables applications to do distributed transactions such as those transactions that access and updates data on multiple interconnected computers.
* JavaMail API
  + Provides protocol-independent and platform-independent framework for receiving and sending emails.
* JavaBeans Activation Framework
  + Is a standard extension to the Java platform that lets the web developer take advantage of standard services.
* Java API for XML Processing
  + Used in processing xml data by the use of applications embedded in the java programming language.