**HTML5**

**(Hyper Text Markup language)**

**Introduction:**

HTML was created by Berners-Lee in late 1991

Main differences of HTML and HTML5

* Simplified syntax
* Added new canvas Tag
* HEADER and FOOTER Tags
* SEO Friendly Tags SECTION and ARTICLE
* MENU Tag for Menus
* FIGURE tag for images and captions
* AUDIO and VIDEO tags for multimedia Content
* Tags removed FRAME, FRME SET, FONT, CENTER, BIG etc.,
* Introduced new HTML5 Api for GEO-Location, Drag/Drop, LocalStorage, Cache, WebWorks, SSE
  + Geo-Location 🡪 Know user location
  + Drag and Drop 🡪 Drag an element and Drop on another element

Draggable=true, ondragstart=”drag()”, ondrop=’drop()’, ondragover=’allowdrop()’

Drag

Drop

* + Local Storage 🡪 Size limit 5MB

It has no expiry date

* + App Cache 🡪 The web page is accessible without internet connection

Offline browsing

Speed access of html pages

Reduced server load

*Manifest=”demo.appcache”*

*CACHE MANIFEST*

*/theme.css*

*/logo.gif*

*/main.js*

The network section below specifies that the files require internet connection

*NETWORK*

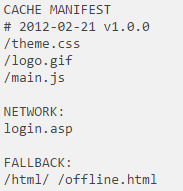
*Login.asp*

The fallback section below specifies that the file will serves instead of the files if the internet connection is not available

FALLBACK

/html/ /offline.html

Complete Structure of the Manifest Files



Updating the cache

* + The user clears the browsers cache
  + The manifest file is modified
  + Application cache is programmatically updated