**1.Introduction**

**2.Overview about HTML5 & CSS**

**2.1.What is HTML and CSS ?**

**2.2.What is HTML5 and CSS3 ?**

**2.3. HTML5 vs HTML (general comparision)**

**3.New feature in HTML5**

**3.1. Structure of HTML5**

**3.2. New elements**

**a. Semantics group: <header> and <footer> (including <base>) ,<article> and <section>, <nav>, <menu>,...**

**b.<input> and <output>**

**c. <details> and <summary> , <fieldset> and <legend>**

**d.<figure> and <figcaption>**

**e.<progress>and <meter>**

**f.<data> and <time>**

**g. <datalist> and <datagrid>**

**h. formating tags:**

<aside>, <bdi><bdo>, <ins>,<dd>, <del,<pre>,<sup>,<var>...

**i. <canvas>**

**j. <video> and <audio> (including <track> and <source>)**

**3.3 Html5 API**

**a.API gelocation**

**b.Web worker**

**c.Web storage**

**d.Web socket**

...

**4. CSS3**

**4.1.Selectors (new methodology)**

**4.2.CSS3 Layout:**

**4.2.1 backgrounds, borders, web font**

**4.2.2. multiple column Layout**

**4.3.3. User Interface: resize, box-sizing, outline-offset**

**4.3. Text effect: gradient,...**

**4.4. 2D/3D transformations**

**4.5. Animations**

**4.7. CSS3 Media Query**

**5.Demo**

-Proposal: Write a simple web page for sale (just display products) and it can be opened from PC or mobile

**REFERENCE**

[http://diveintohtml5.info](http://diveintohtml5.info/)

<http://www.quackit.com/html_5/tags>

**http://www.w3c.com**