Don Bosco Institute of Technology
Kurla (W), Mumbai 400 070

Internet Programming Lab

Name: Umme Atiya Quraishi
Class: TEIT
Roll no.: 47
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Experiment no.: 1
Title: Design a Basic Web page using HTML 5

Theory:

HTML5 is a markup language that was founded in 2004 by the Web Hypertext Application Technology Working Group (WHATWG) whose members include Apple, Mozilla Foundation, and Opera Software. Then in Oct 2006 W3C (World Wide Web Consortium) decided to stop their work on XHTML and start collaborating with "WHATWG" to develop HTML as a technology. After that, the first version of HTML5 was published in 2008 and was written by Ian Hickson, Google. But it's not completed and changes are remaining because according to WHATWG experts "HTML5 is a continually evolving technology that will never end".

After the first draft of HTML5, it's time to make compatible browsers that support HTML5 features. Then Mozilla took the first step and introduced 'Firefox 3' which allows users to view HTML5 in the browser, but Safari, Google Chrome, and IE were far behind in support of HTML5 features in their browsers. HTML5 was gaining popularity day by day. Then in April 2010, Steve Jobs declared that flash will never be allowed on Apple's smart devices. He said that "Flash was designed for PCs using a mouse, not for touch screens using fingers". This statement is enough to change the mind of many companies and that's the reason they began the development of HTML5.

Changes then began in the web world, Scribd, which is an online document-sharing site eliminated Flash and rebuilt its site in HTML5. It helped them to create a better and more effective UI for their users reading documents on tablets. But it was just the beginning, in Aug 2010 Arcade Fire made an HTML5-based interactive film called "The Wilderness Downtown' that won the Grand Prix award at the Cannes advertising awards in the Cyber Category. After 3 months in Dec 2010, Google introduced "Chrome Web Store" that was in HTML5 where a user can easily buy non-Apple web apps on tablets.

What is HTML?

Not to be confused with programming and scripting languages like Perl, PHP or JavaScript, HTML (HyperText Markup Language) is a markup language used to create web pages and applications. HTML is also a fundamental building block of the World Wide Web (www). When you build a website – even if it's through a Website Builder rather than the code itself – your site will still function because of HTML.

What is HTML 5?

Now we know what HTML is, let's take a closer look at HTML 5. Together with CSS and JavaScript, HTML code is interpreted by web browsers to render pages. Individual HTML elements are defined by tags within angle brackets (< and >) to determine the content and layout of a web page.

The latest iteration of HTML is HTML5, which introduced a new generation of features and standards for web creators. But HTML5 has been running wild for a good few years now, so how exactly has it shaken things up?
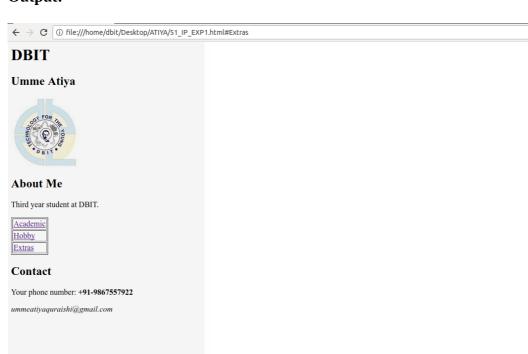
What uses HTML5?

Besides modern-day web browsers and builders, WordPress Themes make use of HTML5, alongside Template Tags, PHP and even JavaScript – depending on the complexity needs of the user.

When was HTML5 released?

Rather than a single revolutionary package, HTML 5 is more of a collection of evolutionary features. This means that there is no specific answer to the question 'when was HTML5 released?' Instead, it has been around in some form since as far back as 2008, even though its official specification wasn't finalised until 2014.

Program:

```
<html>

<head>
<title>Portfolio</title>
</head>

<body>
   <header>
   <h1>DBIT</h1>
<h2>Umme Atiya</h2>
<img src="/home/dbit/Desktop/ATIYA/dbit.jpeg" alt="dbit logo"></img>

</header>

<section id="about">
   <h2>About Me</h2>
   <p>Third year student at DBIT.</p>
</section>
<table border="1">
<tr>
   <td><a href="#academic">Academic</a></td>
</tr>
<tr>
   <td><a href="#Hobby">Hobby</a></td>
</tr>

<tr>
```

```
        <td><a href="#Extras">Extras</a></td>
    </tr>
</table>

<section id="contact">
    <h2>Contact</h2>

    <p>Your phone number: <b>+91-9867557922</b></p>
</section>

<footer>
    <p> <i> ummeatiyaquraishi@gmail.com </i> </p>
</footer>

</body>
</html>
```

Output: