<html>

<title>

Introduction to Programming Nanodegree

</title>

</head>

<body>

<h1> Introduction to Programming Nanodegree

</h1>

<div class="lesson">

<h2> Lesson 1.1

</h2>

<div class="Topic-Title">

<div class="Topic-description">

<b> How the web works</b>

<p> <em>You</em> and your <em>computer</em> connect to the <em>Internet</em> which uses <em>HTTP</em> to connect to <em>servers</em>.<br>

You have to tell the have to tell your computer what you want your website to look like.</p>

<p>Webpages are text documents written is a language called <em>HTML - Hypertext Markup Langauage.</em><br>

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<div class="concept">

<div class="concept-title">

<b>HTML is made up of</b>

</div>

<div class="topic-description">

<p>

<UL><LI>Text content - what you see - abcde<br><LI>Markup - what it looks like - <b><em>abcde</em></b></LI>

<LI>References to other documents <ul><LI>Links to other pages <a href="https://www.Udacity.com"> <b>Udacity</b></b></a></LI>

<LI>Images <img src="http://www.icon100.com/up/1729/48/gaim\_insert\_smiley\_small.png"></LI></a> <LI>Videos<br><iframe width="560" height="315" src="https:www.youtube.com/embed/JTTpkEqCico" frameborder=0 allowfullscreen></iframe></LI></U

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<div class-"Topic-description">

<p>We learned a lot about how Markup uses <em>tags, elements, attributes, and sources </em> to create our webpage.<br>

HTML tags are code that describe how a web page is formatted. They are defined by the characters inside a set of brackets.

Most tags come in a set of 2, an opening tag &#60 &#62and a closing tag &#60 &#47 &#62.<br>

Elements are compiled of opening tags, content and closing tags.<br>

Attributes provide additional information about an element.<br>

Source elements are used to define the media resource for your pictures and videos.<br>

We touched on inline and block tags along with Span and Div elemements but we"ll learn more about those later.4>

We also learned that if we can't remember all the tags go to <a href="http://www.Google.com"> <b>GOOGLE</b></a>

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<div class="Lesson 1.2">

<h3> Lesson 1.2</h3>

<div class="Topic-Title">

<b>HTML Document Structure</b>

<div class="Topic-description">

<p>HTML documents are made up of more than tags. They contain a head and body sections. The head contains metadata and other random stuff. <br>

The body contains all the actual contents of the document. This diagram shows the structure of an HTML Document.<br>

<em>Domestic Object Module (DOM Tree) </em><br>

<img src="http://tuxradar.com/files/LXF118.tut\_grease.diagram.png" alt="example of a dom tree">

<br>

Before you start to code your website, visualize what you want it to look like. <br>Draw it out on a piece of paper to get an idea of what it will look like. <br>

This way you can make sure the site will look like you want it.<br> <b>Remember to </b><em><b><u>View it</u> </b></em> before <em><b><u>You do it</u></b>.</em></p>

<img src="http://cdn-3.freeclipartnow.com/d/10838-1/construction-kid.jpg">

<br> Boxes - everything on your website will be in a box. You have boxes inside of boxes. Things that don't look like a box are a box. By selecting different attributes of the box you can change how the box looks. It can look liek a circle, rectangle or triangle.

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<div class="Lesson 1.3">

<h4> Lesson 1.3 </h4>

<div class="Topic-Title">

<b> CSS Styling in HTML</b>

<div class="Topic-Decription">

<p>CSS styling is what is used to select the color, size and styles of the website. It sets the Font color and size, if text is bold or italic. It sets the shape and color of objects that are loaded into the webite. This is done by setting the attribute. CSS is a powerful tool. Don't be afraid to play and experiment to find out which styles you want to use on your website.

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