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What is The Viewport?

The viewport is the user's visible area of a web page.

The viewport varies with the device, and will be smaller on a mobile phone than on a computer screen.

Before tablets and mobile phones, web pages were designed only for computer screens, and it was common for web pages to have a static design and a fixed size.

Then, when we started surfing the internet using tablets and mobile phones, fixed size web pages were too large to fit the viewport. To fix this, browsers on those devices scaled down the entire web page to fit the screen.

This was not perfect!! But a quick fix.

Setting The Viewport

HTML5 introduced a method to let web designers take control over the viewport, through the `<meta>` tag.

You should include the following `<meta>` viewport element in all your web pages:

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

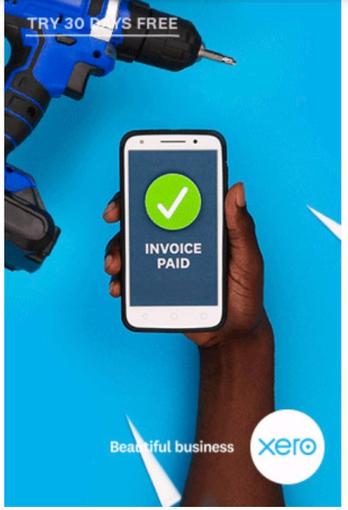
A `<meta>` viewport element gives the browser instructions on how to control the page's dimensions and scaling.

The `width=device-width` part sets the width of the page to follow the screen-width of the device (which will vary depending on the device).

The `initial-scale=1.0` part sets the initial zoom level when the page is first loaded by the browser.

Here is an example of a web page *without* the viewport meta tag, and the same web page *with* the viewport meta tag:

Tip: If you are browsing this page with a phone or a tablet, you can click on the two links below to see the difference.



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- Tabs
- Dropdowns
- Accordions
- Side Navigation
- Top Navigation
- Modal Boxes
- Progress Bars
- Parallax
- Login Form

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```
<!DOCTYPE html>^M
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">^M
<head><meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />^M
<title>RJM Programming Landing Page - Welcome to our Information Technology tutorials website</title>
<meta name="Generator" content="iWeb 2.0.4" />^M
<!--meta name="iWeb-Build" content="local-build-20110130" /-->^M
<meta name="viewport" content="width=device-width, initial-scale=1.0">^M
<!--meta name="viewport" content="width=device-width, initial-scale=1, minimum-scale=0.25, maximum-scale=8, user-scalable=yes" /-->^M
<!--meta name="viewport" content="width=700, initial-scale=1, minimum-scale=0.25, maximum-scale=8, user-scalable=yes" /-->^M
<meta name="google-site-verification" content="VHVHS-FETDwOT80I4SSIzL0rmwdMrCJ_VTvdTXMwAaE" />^M
<meta name="y_key" content="6dc0b0fd7117f6a" />^M
<meta name="msvalidate.01" content="8A634355CD6B5E5D9A046227127F9E78" />^M
<meta name="description" content="RJM Programming develops desktop, web and mobile software. Software Need Not Be Hard, so try our tutorials.">^M
<!--meta name="Description" content="RJM Programming develops useful mobile and web software. We specialize in Windows and Mac online web tutorials, Android and iOS mobile applications." /-->^M
<meta name="Keywords" content="rjmprogramming, HTML, Javascript, CSS, PHP, MySql, database, programming, GETME, software, code, tutorial, laptop, ESL, Google, Android, Tablet, App, Application, Software, Xcode, Mac OS X, Windows, Develop, useful, web, ideas, worth, pursuing, creative, Games" />^M
<link rel="stylesheet" type="text/css" media="screen,print" href="Welcome_files/Welcome.css" />^M
<!--[if IE]><link rel="stylesheet" type='text/css' media='screen,print' href='Welcome_files/WelcomeIE.css' /><![endif]--><style type="text/css">^M
/**/*^M
@import "HTMLCSS/body_border.css";^M
^M
div.com-apple-iweb-widget-HTMLRegion {^M
overflow: hidden;^M
}^M
^M
#rjmp {^M
color: #777777;^M
font: 24pt Arial;^M
text-shadow: 0 1px 0 #ccc, 0 2px 0 #c9c9c9, 0 3px 0 #bbb, 0 4px 0 #b9b9b9, 0 5px 0 #aaa, 0 6px 1px rgba(0, 0, 0, 0.1), 0 0 5px rgba(0, 0, 0, 0.1), 0 1px 3px rgba(0, 0, 0, 0.3), 0 3px 5px rgba(0, 0, 0, 0.2), 0 5px 10px rgba(0, 0, 0, 0.25), 0 10px 10px rgba(0, 0, 0, 0.2), 0 20px 20px rgba(0, 0, 0, 0.15);^M
}^M
^M
/*]]]&gt;*/^M
&lt;/style&gt;^M
&lt;script type="text/javascript" src="Scripts/iWebSite.js"&gt;&lt;/script&gt;^M
&lt;script type="text/javascript" src="Scripts/Widgets/SharedResources/WidgetCommon.js"&gt;&lt;/script&gt;^M
&lt;script type="text/javascript" src="Scripts/Widgets/Navbar/navbar.js"&gt;&lt;/script&gt;^M
&lt;script type="text/javascript" src="Scripts/Widgets/HTMLRegion/Paste.js"&gt;&lt;/script&gt;^M
&lt;script async="async" type="text/javascript" src="Scripts/iWebImage.js"&gt;&lt;/script&gt;^M
&lt;!--script type="text/javascript" src="Scripts/Widgets/GoogleMap/GoogleMap.js"&gt;&lt;/script--&gt;^M
&lt;script async="async" type="text/javascript" src="Welcome_files/WelcomeIndex.js"&gt;&lt;/script&gt;^M
^M
^M
&lt;script type="text/javascript"&gt; ^M
// Thanks to Andrew Hedges! ^M
//var nua = navigator.userAgent; ^M
//var isiPad = /iPad/i.test(nua) || /iPhone OS 3_1_2/i.test(nua) || /iPhone OS 3_2_2/i.test(nua); ^M
// Thanks to David Walsh^M
var isiPad = navigator.userAgent.match(/iPad/i) != null;^M
var isiPhone = navigator.userAgent.match(/iPhone/i) != null;^M
var isiPod = navigator.userAgent.match(/iPod/i) != null;^M
var isAndroid = navigator.userAgent.match(/Android/i) != null;^M
^M
^M
var tval = 1;^M</pre></div><div><p>100% [Taskbar icons: Safari, Spotlight, Mail, Calendar, Photos, Messages, App Store, etc.]</p></div>
```

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