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What is the purpose of the RWD? Why it is used? How things are done before RWD? What is the difference? – The main goal of RWD is to make a website able to adapt to many different existing devices. RWD is used because now there are too many different screen resolutions and devices and we want a website to look good and responsive on all of them. Before RWD fluid grid layout and flexible images were used and sometimes there was a separate domain used for „iPhone website“ and „the non-iPhone website“. The difference is, that RWD is able to adapt to any screen. It is a universal solution for page layout, text and images.

How CSS media queries can help you building responsive web sites? – W3C created media queries as part of the CSS3 specification, improving upon the promise of media types. Media queries allow us to inspect physical characteristics of used device and choose stylesheet according to them. We can also inspect multiple characteristics in one query. Other use of media queries is to include it directly in CSS and make rules that are used only if some requirements are met. With media queries, we can apply resolution-specific spotfixes, adapting our design to better respond to changes in the display. Fluid grids, flexible images, and media queries are the three technical ingredients for responsive web design.

Why to use em (font) based sizing for example margins? – The em font is a scalable unit that is used in web document media. If we want to change font size in a website with media queries, we can do it on the body and it will change size of all fonts accordingly. Em fonts are becoming increasingly popular in web documents due to scalability and their mobile-device-friendly nature.

Article is already 7 years old, do we have any new technology which can be used to achieve same type of UI responsiveness as described in the article. Buzz words: (CSS Grid, Flexbox) – The Grid, together with Flexbox, is a new tool for designing page layout using CSS, which can fully replace table or floating layouts. Flexbox is based on a floating layout, so its location and size (depending on the setting) is calculated automatically. CSS Grid is a table layout, so you can directly determine where and how large individual elements will be and how they will behave at different resolutions.

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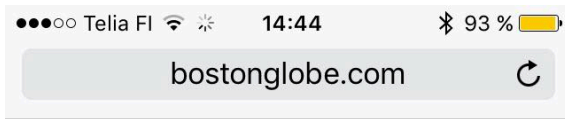
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DEADLINE PASSES.



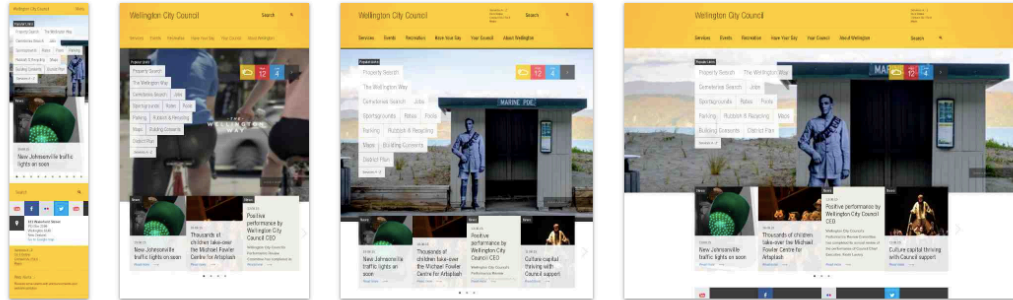


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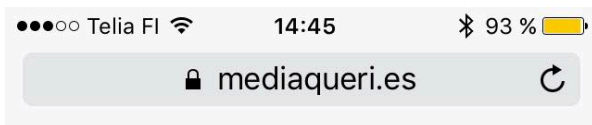
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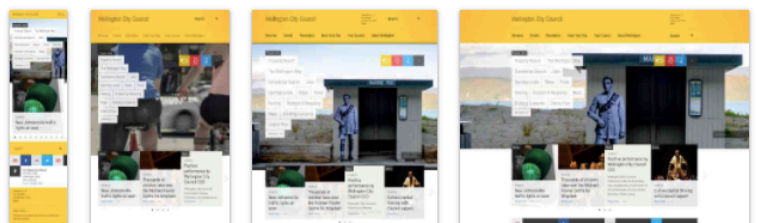
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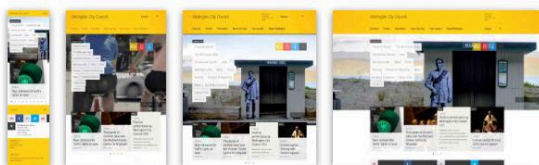
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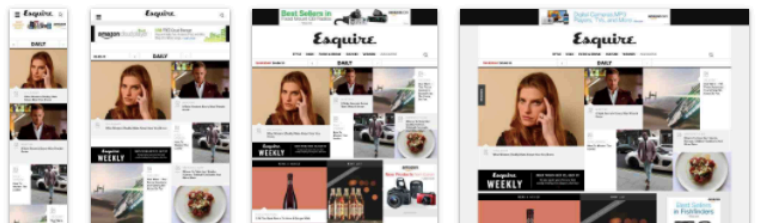
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