***Optimizations***

**Images**

**Things You Should Know**

* images are one of the greatest opportunities to improve performance on your website and using the appropriate size matters
  + changing the image resolution based on the requesting device is one of the best ways to do this
  + by defining a source set the browser will choose which image is the best and only download that one
* the picture element uses media queries to select images based on predefined characteristics

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**Responsive Tables Intro**

**Things You Should Know**

* when tables have more than a few columns they tend to run off the side out of the viewport
* we can leverage different techniques called Hidden Columns, No More Tables and Contained Tables

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**Responsive Tables - Hidden Columns**

**Things You Should Know**

* Hidden Columns hides columns based on their importance as the viewport size decreases
* the biggest challenge is that you are hiding content from the user
  + when possible use abbreviated content rather than hiding it from the user

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**Responsive Tables - No More Tables**

**Things You Should Know**

* No More Tables collapses the table and displays a long list of the table data
* the advantage to this technique is that all the data is viable no matter the viewport size

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**Responsive Tables - Contained Scrolling**

**Things You Should Know**

* Contained Scrolling is when you wrap a table in a div and allow it to scroll inside the div

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**Fonts**

**Things You Should Know**

* The way the text is displayed will greatly impact your user experiance.
* 65 characters per a line is a great goal in responsive design
* ensure fonts are big enough to read

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**Minor Breakpoints**

**Things You Should Know**

* Minor breakpoints address small changes that may be needed

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