

IMS 222 (Introduction to Interaction Design and Development)

Hands-On #5 ([Responsive Web Design](#))

- [Responsive](#) vs [Non-Responsive](#) Website

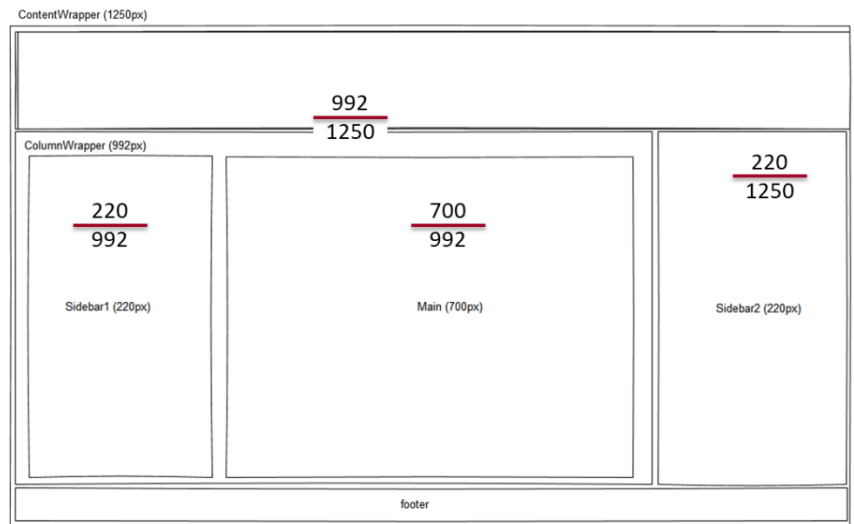
1. **Viewport**: Add Viewport to responsive.html head section

```
<meta name="viewport" content="width=device-width">
```

***initial-scale=1**

2. **Flexible Grid**: Go to **styles.css** and change px-based width and %-based width and see the changes from your browser.

```
* {  
  box-sizing: border-box;  
}  
.columnWrapper {  
  float: left;  
  width: 80%;  
}  
  
.sidebar2 {  
  float: right;  
  width: 20%;  
  padding: 0 10px 0 20px;  
}  
  
.sidebar1 {  
  float: left;  
  width: 25%;  
  padding: 0 20px 0 10px;  
}  
  
.main {  
  float: right;  
  width: 75%;  
  padding: 0 10px;  
  border-left: 1px dashed red;  
  border-right: 1px solid blue;  
}
```



3. Fluid Images:

- 3.1. Go to **styles.css** and add the following code.

```
img {  
  max-width: 100%;  
}
```

- 3.2. Go to responsive.html and remove "width" attributes from all elements and see the changes from your browser.

4. **Media Queries:** Add the following code to **styles.css** and see the changes from your browser.

```
/* tablet size */
@media (min-width: 768px) and (max-width:1024px) {
  .sidebar2 {
    width: auto;
    clear: both;
    border-top: 2px solid black;
    padding-top: 10px;
  }

  .columnWrapper {width: auto;}

  .main {border-right: none;}
}

/* mobile phone size */
@media (max-width: 767px) {
  .columnWrapper, .main, .sidebar1, .sidebar2 {
    float: none;
    width: auto;
  }
  .main {border: none; }

  .sidebar1, .sidebar2 {
    border-top: 2px solid black;
    margin-top: 25px;
    padding-top: 10px;
  }

  header h1 { font-size: 1.5em; }

  .main h2, aside h2 {font-size: 1.5em;}

  nav {text-align: center;}

  nav li {
    float: none;
    display: inline-block;
  }

  nav a { border: none; }
}
```

*From Chrome, click right mouse button and select “Inspect” menu. Then click Device Symbol at the top. Then try different mobile, tablet devices.

