Module 3: Styling web pages using CSS

Example

Creating CSS Mega Menus

Almost all the ecommerce websites have big dropdown menus with lots of submenus under each menu. We will create big dropdown menus and style it using CSS.
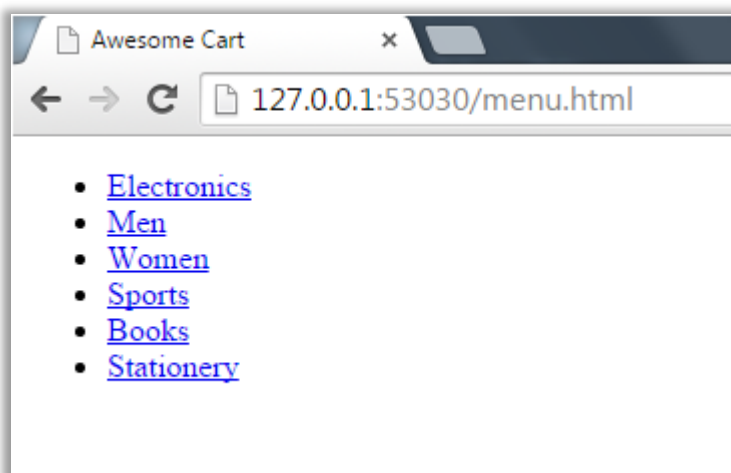
So let's get started. Below is the screenshot of the menu.html file.

Currently we have 6 menus Electronics, Men, Women, Sports, Books, Stationery

```html
<!DOCTYPE html>
<html>
<head>
<title>Awesome Cart</title>
</head>

<body>
<nav>
<ul>
<li><a href="#">Electronics</a></li>
<li><a href="#">Men</a></li>
<li><a href="#">Women</a></li>
<li><a href="#">Sports</a></li>
<li><a href="#">Books</a></li>
<li><a href="#">Stationery</a></li>
</ul>
</nav>
</body>

</html>
```
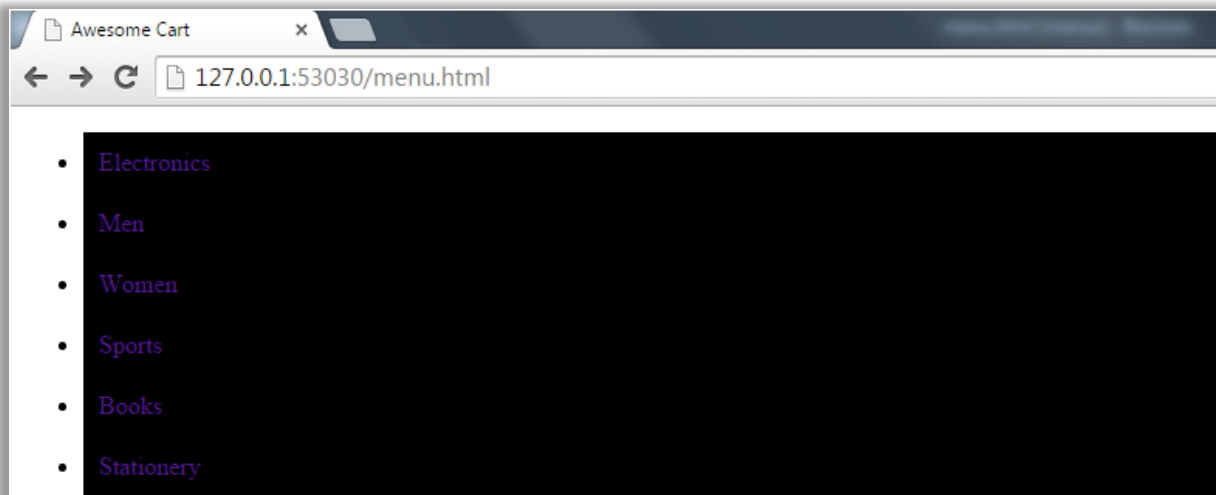
menu.html page will look like as below

Next we will write some CSS rules to style our navigation bar

```html
<head>
<title>Awesome Cart</title>
<style type="text/css">
nav ul li a {display:block;text-decoration:none;padding:10px;background:#000;}
</style>
</head>
```

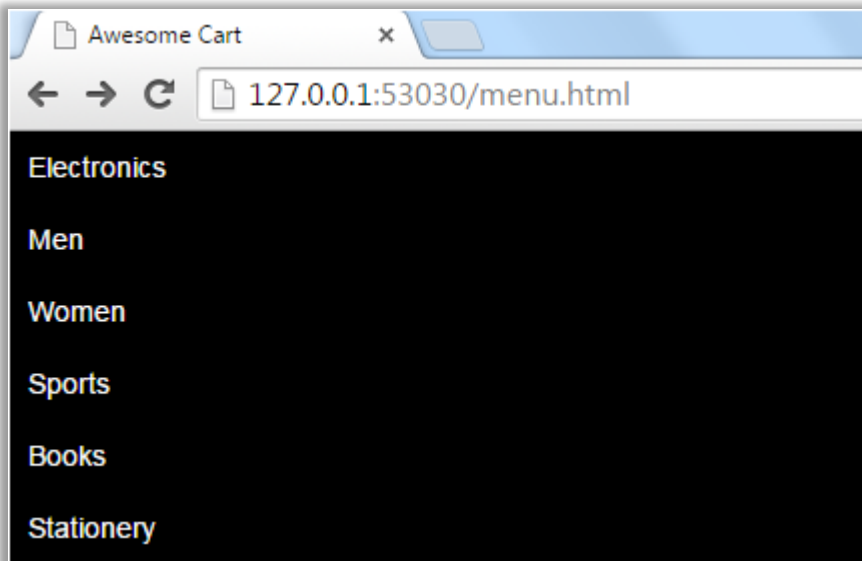Note that above we have set the display property to block for all a elements within the navigation bar and back

ground is set to black. Now menu.html will look like as below

Next we will set the margin and padding property to 0 and color to white

```html
<style type="text/css">
*{margin:0;padding:0;font-family:arial;font-size:14px;color:#fff;}
nav ul li a {display:block;text-decoration:none;padding:10px;background:#000;}
</style>
```

Note that we have used * wildcard to apply the CSS to all the elements. Now menu.html will look like as below
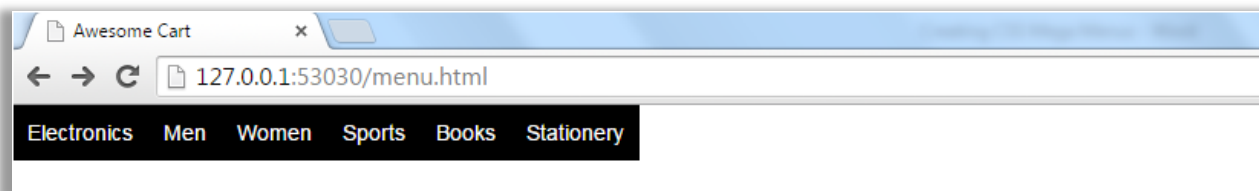
Note that our menu items are still vertically aligned , so next we will use the float property to align them one after another by setting float property to left

```
<style type="text/css">
*{margin:0;padding:0;font-family:arial;font-size:14px;color:#fff;}

    nav ul li{list-style:none; float:left; display:inline-block;}

nav ul li a {display:block;text-decoration:none;padding:10px;background:#000;}
</style>
```
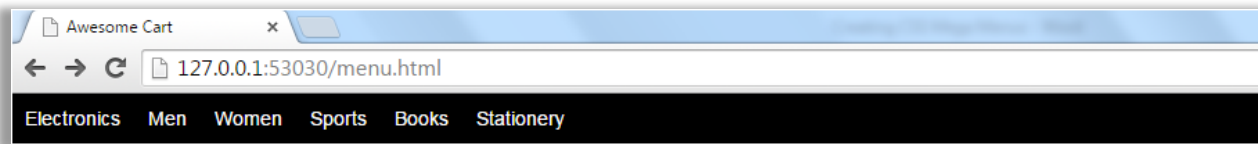
Now menu.html will look like as shown below

Note that our menu still does not cover entire screen size , we can get rid of this problem by setting the css property width to 100% for the nav element . So lets do that

```
<style type="text/css">
*{margin:0;padding:0;font-family:arial;font-size:14px;color:#fff;}
    nav{float:left;width:100%;background:#000;position:relative}
    nav ul li{list-style:none; float:left; display:inline-block;}
nav ul li a {display:block;text-decoration:none;padding:10px;background:#000;}
</style>
```
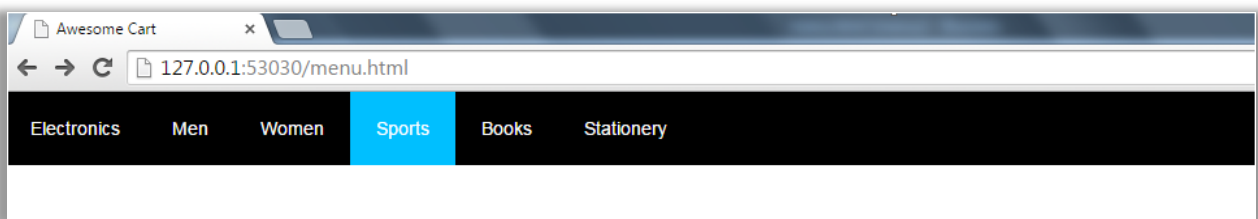
Now menu.html will look like as shown below

Next we will set the CSS so that when mouse is hovered over a menu item, background color will change from black to deepskyblue

```
<style type="text/css">
*{margin:0;padding:0;font-family:arial;font-size:14px;color:#fff;}
    nav{float:left;width:100%;background:#000;position:relative}
    nav ul li{list-style:none; float:left; display:inline-block;}
    nav ul li a {display:block;text-decoration:none;padding:20px;background:#000;}
    nav ul li a:hover,nav >ul >li:hover >a{background:deepskyblue}
</style>
```

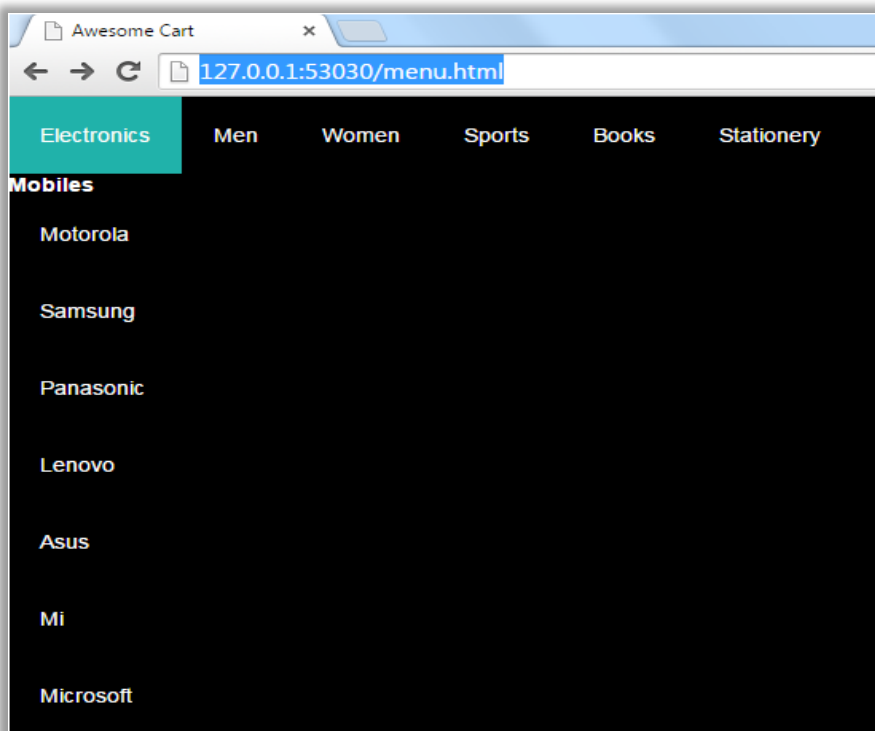Now menu.html will look like as shown below

Now let's add a submenu for the first menu Electronics

```
<body>
<nav>
<ul>
<li><a href="#">Electronics</a>
    <ul class="megamenu">
      <li>
          <h1>Mobiles</h1>
          <a href="#">Motorola</a>
          <a href="#">Samsung</a>
          <a href="#">Panasonic</a>
          <a href="#">Lenovo</a>
          <a href="#">Asus</a>
          <a href="#">Mi</a>
          <a href="#">Microsoft</a>
      </li>
    </ul>
</li>

<li><a href="#">Men</a></li>
<li><a href="#">Women</a></li>
<li><a href="#">Sports</a></li>
<li><a href="#">Books</a></li>
<li><a href="#">Stationery</a></li>
</ul>
</nav>
</body>
```
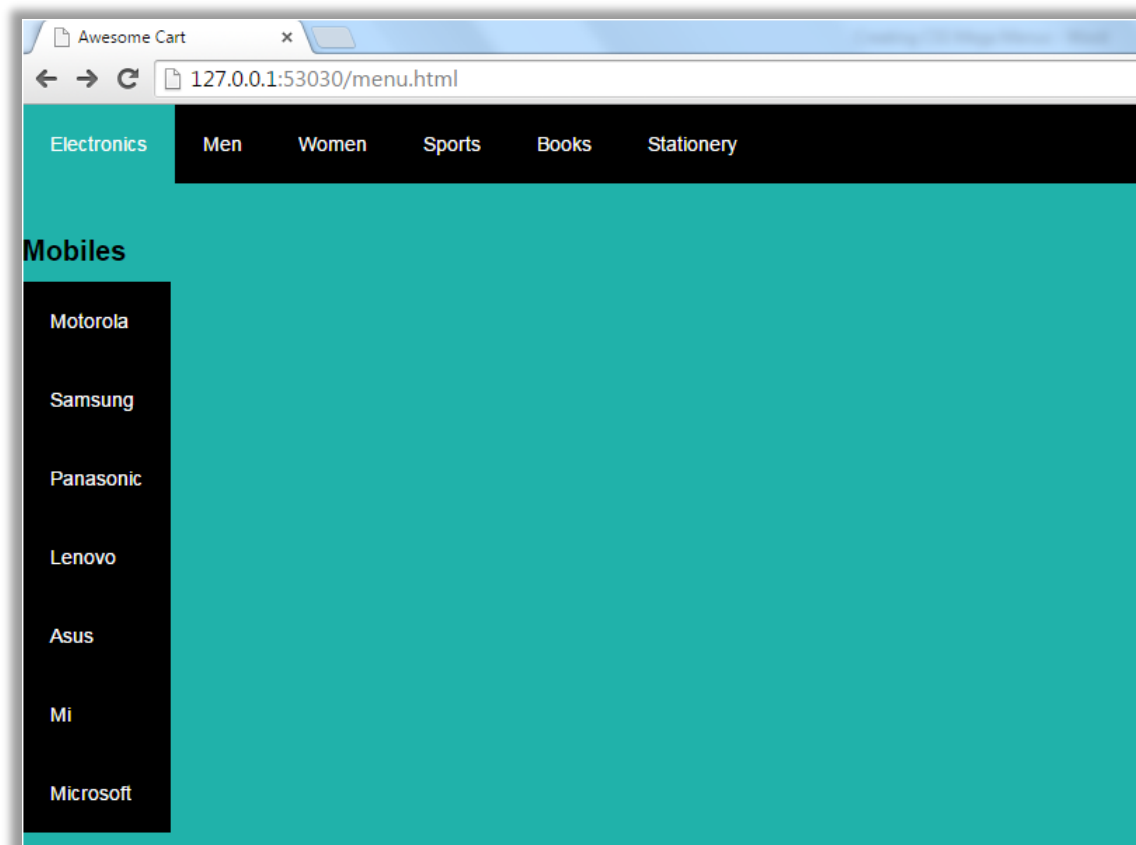
Above we have put a submenu under Electronics menu with heading Mobiles, note that we have set the class for submenu to megamenu. We will style the submenu by using this class name. Now menu.html will look like as shown below

Note that currently mobiles submenu is displayed without hovering the mouse on Electronics menu. And spacing between top menu and submenu needs to be adjusted. Let's write the CSS to style the submenu

```css
nav ul li ul.megamenu{width:100%;padding:2% 0;background:lightseagreen;position:absolute;display:none;}
nav ul li:hover ul.megamenu{display:block;left:0;}
nav ul li:hover ul.megamenu h1{padding:10px 0;font-size:20px;color:#000;}
```
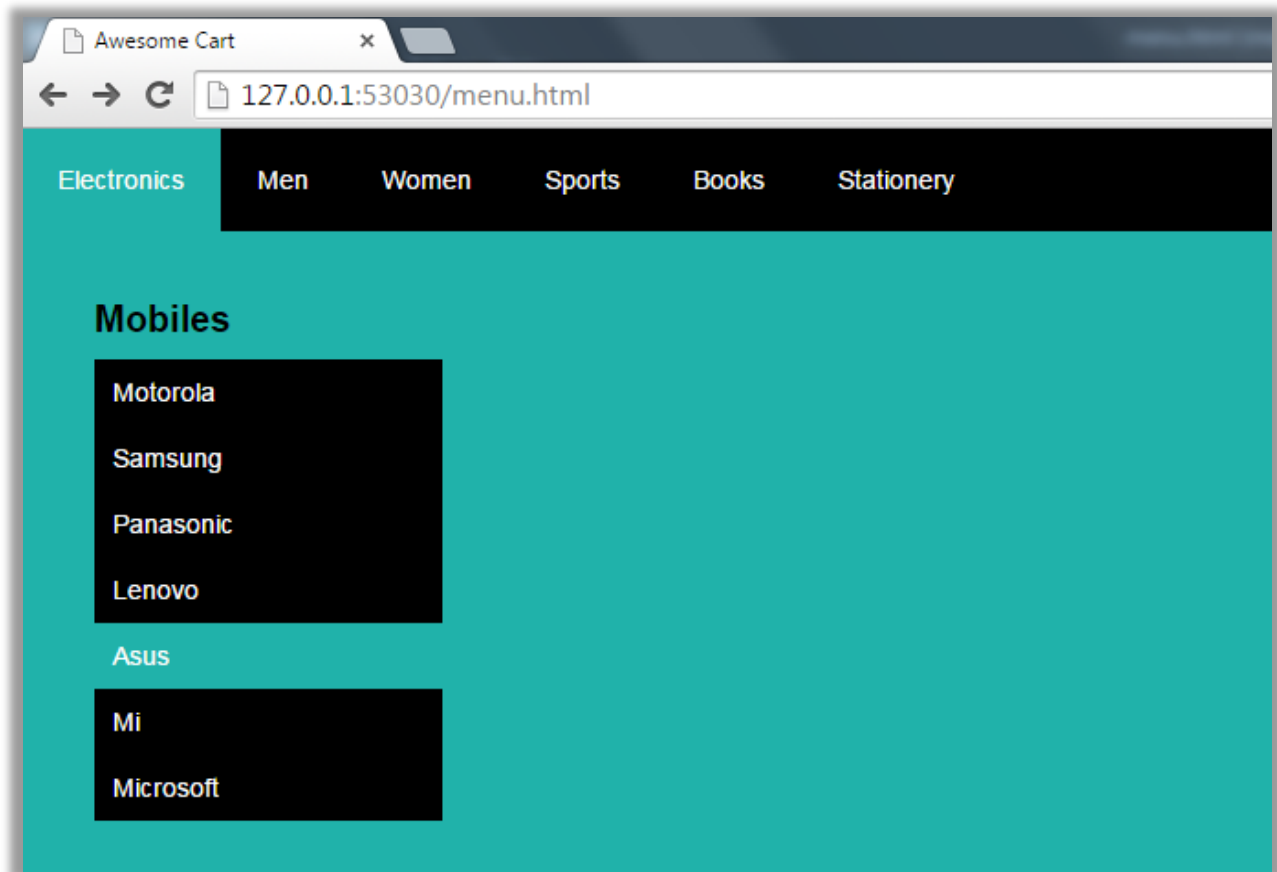
Now menu.html will look like as shown below

Note that we have used lightseagreen color as background. But still the Mobiles submenu is not properly aligned. Next we are going to align the submenu

```
nav ul li:hover ul.megamenu li{width:190px;margin:0 40px 0 40px;}
nav ul li:hover ul.megamenu li a{padding:10px;}
```

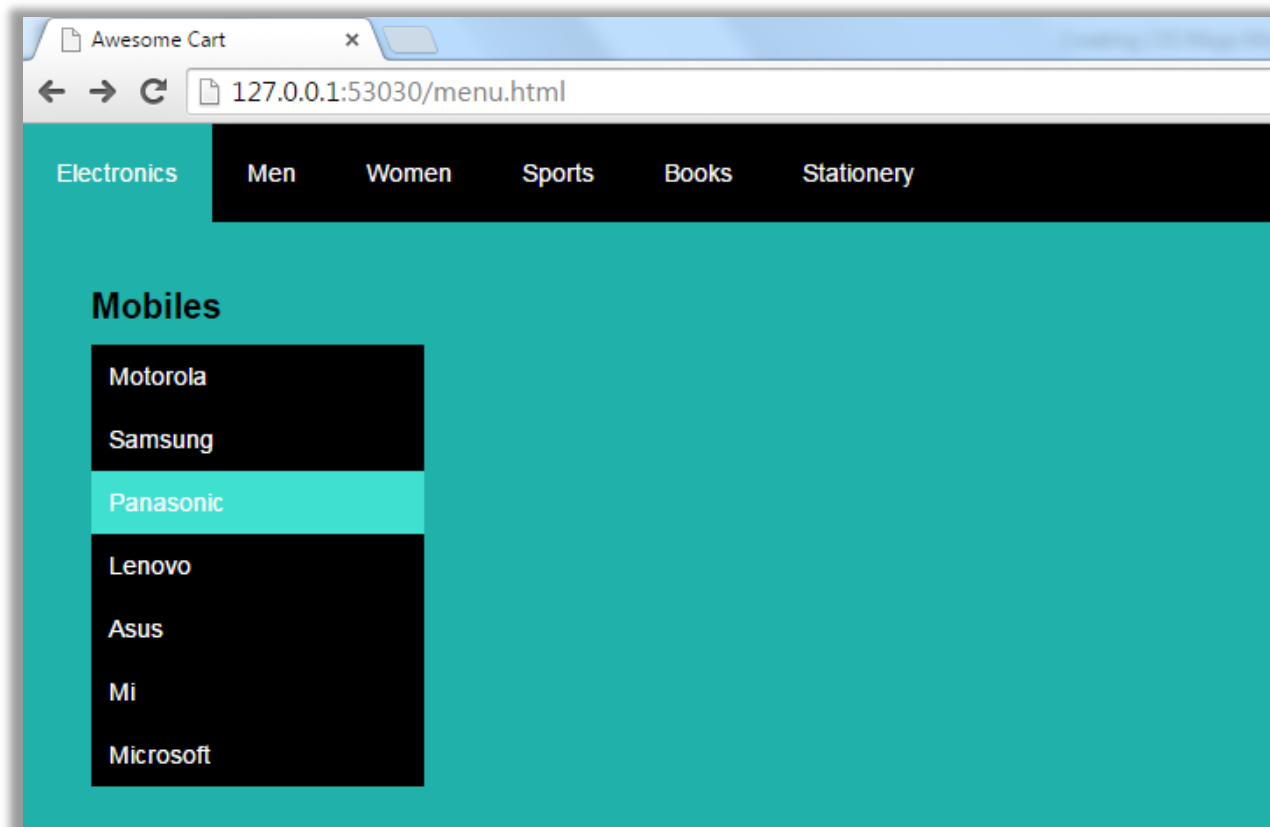After aligning the submenu, menu.html will look like as shown below

Next we are going to change the background color for the submenu when user hovers the mouse over submenu item. We will set the background color to turquoise

```
nav ul li:hover ul.megamenu li a:hover{background:turquoise;}
```

Note that change in background color when user hovers the mouse over Panasonic item as shown below
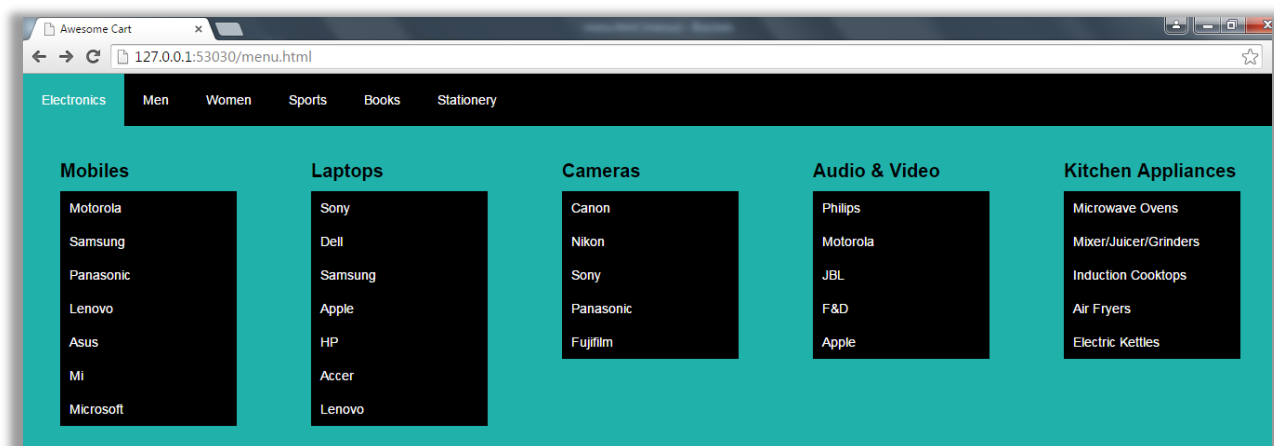
Let's add more submenus under Electronics menu, below we have added 4 other submenus(Laptops, Cameras, Audio & Video, Kitchen Appliances) under Electronics menu.

```html
<body>
<nav>
<ul>
<li><a href="#">Electronics</a>
    <ul class="megamenu">
      <li> ... </li>
      <li> ... </li>
      <li> ... </li>
      <li> ... </li>
      <li> ... </li>
    </ul>
</li>

<li><a href="#">Men</a></li>
<li><a href="#">Women</a></li>
<li><a href="#">Sports</a></li>
<li><a href="#">Books</a></li>
<li><a href="#">Stationery</a></li>
</ul>
</nav>
</body>
```

Now menu.html will look like as shown below

Similarly we can add submenues to other menus like Men, Women, Sports, Books, Stationery.

You can see the complete menu.html page at below link

https://s3-ap-southeast-1.amazonaws.com/s3freebucket/BigDropdownMenu/menu.html