Using CSS properties the dropdown menu can be designed.

An example of dropdown menu is shown below in which a submenu is dropped whenever mouse is moved over drop down menu.

Initially the contents of drop down needs to be hide, so display property is used as:

```
display: none;
```

Then using hover state of element, the contents of drop down is shown as:

```
display: block;
```

### Code: Dropdown

```html
<html>
<head>
    <style>
        *
        {
            margin:0;
            padding:0;
        }

        .dd{
            position: relative;
            background-color: bisque;
            padding:15px;
            width:100px;
            border-bottom:5px double black;
        }

        .dd:hover{
            background-color: coral;
            color: white;
            border-left:15px solid black;
        }
    
</style>
</head>

<body>
    <div class="dd">
        Menu Items
    </div>
</body>
</html>
```

### Explanation:

Margin and padding is set to “zero” for all elements. * is universal selector.

It is for styling dropdown div <div class="dd">. Its position is set to relative.

This is for styling dropdown <div> when mouse is moved over it.
This is for styling contents of dropdown `<div class="ddcontents">`. Its position is **absolute** (It will be positioned in respect of its parent). Initially it will not be displayed because display is set to **none**;

When mouse is moved over first `<div>` (dd), then only its child `<div>` (ddcontents) will be displayed because display is set to block on hover state of first div.

This will style the `<ul>` having class “menu”.

This will style `<a>` inside `<li>` which itself inside element (here `<ul>`) having class “menu”.

This will style `<a>` when mouse is moved over it. `<a>` should be inside `<li>` which itself inside element (here `<ul>`) having class “menu”.

```html
.example { position: absolute; display: none; margin:15px; }

.dd:hover .example { display: block; }

.menu{ list-style-type: none; width:150px; }

.menu li a{ display: block; text-decoration: none; padding:10px; margin:2px; background-color: lightgreen; color: darkgreen; text-align: center; }

.menu li a:hover{ border:2px double blue; border-left:15px solid blue; background-color: lightblue; color: darkblue; }
```

<p> Move Mouse over the text below to see</p>

Example of DropDown</body>

</html>
the dropdown effects. </p><br>

```html
<div class="dd"> DropDown
  <ul class="ddcontents">
    <li> <a href="#"> About Us </a> </li>
    <li> <a href="#"> Services </a> </li>
    <li> <a href="#"> Achievements </a> </li>
    <li> <a href="#"> Contact Us </a> </li>
  </ul>
</div>
</div>
</body></html>
```

**Output:**

When mouse is moved over the dropdown menu:

```
Example of DropDown
Move Mouse over the text below to see the dropdown effects.

 DROPDown
```

```
Example of DropDown
Move Mouse over the text below to see the dropdown effects.

When mouse is moved over the dropdown menu:
```

- About Us
- Services
- Achievements
- Contact Us
When mouse is moved over the contents of dropdown menu:

Exercise:

1. Create an attractive dropdown menu using CSS properties.
   (Give it different look than above)