**Step-by-Step to Create a Navigation Bar with a Dropdown Menu**

**HTML Section**

**html**复制代码

|  |  |
| --- | --- |
|  | <!doctype html> |
|  | <html> |
|  | <head> |
|  | <meta charset="utf-8"> <!-- Sets the character encoding of the document to UTF-8 --> |
|  | <title>Untitled Document</title> <!-- Sets the title of the webpage --> |
|  | <style> |
|  | /\* CSS styles will be written here \*/ |
|  | </style> |
|  | </head> |
|  | <body> |
|  | <!-- Navigation bar container --> |
|  | <div> |
|  | <!-- Navigation bar list --> |
|  | <ul class="nav"> |
|  | <!-- Navigation item 1: Home --> |
|  | <li class="nav1"><a href="#home">Home</a></li> |
|  | <!-- Navigation item 2: News --> |
|  | <li class="nav1"><a href="#news">News</a></li> |
|  | <!-- Navigation item 3: Dropdown (with submenu) --> |
|  | <li class="nav1 dropdown"> |
|  | <a href="#dropdowns">Dropdown</a> <!-- Trigger button for the dropdown menu --> |
|  | <!-- Dropdown menu content --> |
|  | <ul class="dropdown-content"> |
|  | <li><a href="#">Link 1</a></li> <!-- Dropdown link 1 --> |
|  | <li><a href="#">Link 2</a></li> <!-- Dropdown link 2 --> |
|  | <li><a href="#">Link 3</a></li> <!-- Dropdown link 3 --> |
|  | </ul> |
|  | </li> |
|  | </ul> |
|  | </div> |
|  | </body> |
|  | </html> |

**CSS Section (with comments)**

**css**复制代码

|  |  |
| --- | --- |
|  | /\* Sets the default styles for the body, removing default margins and paddings \*/ |
|  | body { |
|  | margin: 0; |
|  | padding: 0; |
|  | } |
|  |  |
|  | /\* Sets the floating style for navigation items to align them horizontally \*/ |
|  | .nav1 { |
|  | float: left; |
|  | } |
|  |  |
|  | /\* Sets the styles for the navigation bar and dropdown menu \*/ |
|  | .nav, .dropdown-content { |
|  | list-style-type: none; /\* Removes the default styling of list items \*/ |
|  | margin: 0; /\* Removes outer margins \*/ |
|  | padding: 0; /\* Removes inner paddings \*/ |
|  | overflow: hidden; /\* Clears floats \*/ |
|  | background-color: #38444d; /\* Sets the background color \*/ |
|  | } |
|  |  |
|  | /\* Sets the styles for navigation bar links \*/ |
|  | .nav a { |
|  | display: block; /\* Sets the link as a block-level element \*/ |
|  | color: white; /\* Sets the text color \*/ |
|  | text-align: center; /\* Sets the text alignment to center \*/ |
|  | padding: 14px 16px; /\* Sets the inner paddings \*/ |
|  | text-decoration: none; /\* Removes the underline \*/ |
|  | } |
|  |  |
|  | /\* Sets the styles for the dropdown menu content \*/ |
|  | .dropdown-content { |
|  | background-color: #f9f9f9; /\* Sets the background color \*/ |
|  | width: 160px; /\* Sets the width \*/ |
|  | box-shadow: 0px 8px 16px 0px; /\* Adds a shadow effect \*/ |
|  | position: absolute; /\* Sets absolute positioning \*/ |
|  | z-index: 1; /\* Sets the stacking order \*/ |
|  | display: none; /\* Hides the dropdown menu by default \*/ |
|  | } |
|  |  |
|  | /\* Sets the styles for dropdown menu links \*/ |
|  | .dropdown-content a { |
|  | color: black; /\* Sets the text color \*/ |
|  | text-align: left; /\* Sets the text alignment to left \*/ |
|  | padding: 12px 16px; /\* Sets the inner paddings \*/ |
|  | display: block; /\* Sets the link as a block-level element \*/ |
|  | } |
|  |  |
|  | /\* Sets the hover style for dropdown menu links \*/ |
|  | .dropdown-content a:hover { |
|  | background-color: #f1f1f1; /\* Sets the background color on hover \*/ |
|  | } |
|  |  |
|  | /\* Shows the dropdown menu when hovering over the navigation item that contains it \*/ |
|  | .dropdown:hover .dropdown-content { |
|  | display: block; /\* Displays the dropdown menu \*/ |
|  | } |
|  |  |
|  | /\* Changes the background color of the navigation item when hovering over it \*/ |
|  | .nav1:hover { |
|  | background: red; /\* Sets the background color on hover \*/ |
|  | } |

This code creates a simple webpage with a navigation bar that has three navigation items, one of which contains a dropdown menu. Through CSS styling, we've set the appearance of the navigation bar and dropdown menu, and added hover effects.

