index.html

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>CSS Positioning, Grid Layout, and Dropdown Menus</title>
    <link rel="stylesheet" href="styles.css">
  </head>

  <body>
    <div class="container">
      <!--This is header with navigation menu-->
      <header class="header">
        <h1>Guide for Beginner Web Developers</h1>
        <nav>
          <ul class="nav-menu">
            <li><a href="#">Home</a></li>
            <li class="dropdown">
              <a href="#">Menu</a>
              <ul class="dropdown-content">
                <li><a href="#">About</a></li>
                <li><a href="#">Contact Us</a></li>
                <li><a href="#">Our Services</a></li>
              </ul>
            </li>
```

```html
            <li><a href="#">Blog</a></li>

        </ul>

    </nav>

</header>


<!--This is main content section-->

<main class="main-content">

    <section class="content-box">

        <h2>About Web Development</h2>

        <p>Web development, also known as website development, refers to the tasks

        associated with creating, building, and maintaining websites and web
applications

        that run online on a browser. It may, however, also include web design, web
programming,

        and database management.<br><br>

        Web development is closely related to the job of designing the features and
functionality

        of apps (web design). The term development is usually reserved for the actual
construction of

        these things (that is to say, the programming of sites).<br><br>

        The basic tools involved in web development are programming languages called
HTML (Hypertext Markup Language),

        CSS (Cascading Style Sheets), and JavaScript. There are, however, a number of
other programs used to "manage" or

        facilitate the construction of sites that would otherwise have to be done "from
scratch" by writing code.

        A number of content management systems (CMS) fall into this category,
including WordPress, Joomla!, Drupal,
```

TYPO3, and Adobe Experience Manager, among others.</p>

    <div class="absolute-box">Absolute Box</div>

  </section>

  <section class="content-box">

    <h2>About CSS Layout</h2>

    <p>Introduction to CSS layout
This article will recap some of the CSS layout features we've already touched upon

      in previous modules — such as different display values — and introduce some of the concepts we'll be covering

      throughout this module.

      Normal flow
Elements on webpages lay themselves out according to normal flow - until we do something to change

      that. This article explains the basics of normal flow as a grounding for learning how to change it.

      Flexbox
Flexbox is a one-dimensional layout method for laying out items in rows or columns. Items flex to fill

      additional space and shrink to fit into smaller spaces. This article explains all the fundamentals. After studying

      this guide you can test your flexbox skills to check your understanding before moving on.

      Grids
CSS grid layout is a two-dimensional layout system for the web. It lets you lay content out in rows and columns,

      and has many features that make building complex layouts straightforward. This article will give you all you need to know

      to get started with page layout, then test your grid skills before moving on.

Floats
Originally for floating images inside blocks of text, the float property became one of the most commonly used tools

for creating multiple column layouts on webpages. With the advent of flexbox and grid it has now returned to its original

purpose, as this article explains.

Positioning
Positioning allows you to take elements out of the normal document layout flow and make them behave differently,

for example, by sitting on top of one another, or by always remaining in the same place inside the browser viewport. This article

explains the different position values and how to use them.

Multiple-column layout
The multiple-column layout specification gives you a method of laying content out in columns, as you might

see in a newspaper. This article explains how to use this feature.

Responsive design
As more diverse screen sizes have appeared on web-enabled devices, the concept of responsive web design (RWD) has

appeared: a set of practices that allows web pages to alter their layout and appearance to suit different screen widths, resolutions,

etc. It is an idea that changed the way we design for a multi-device web, and in this article we'll help you understand the main techniques

you need to know to master it.</p>

    </section>

  </main>

  <!-- This is Sidebar -->

  <aside class="sidebar">

```html
        <h2>Click links to know more</h2>

        <ul>

            <li><a href="https://www.geeksforgeeks.org/web-development/?ref=home-articlecards" target="_blank">Website Design and Web Deevlopment</a></li>

            <li><a href="https://brainstation.io/career-guides/what-is-web-development" target="_blank">More about Web Development</a></li>

            <li><a href="https://developer.mozilla.org/en-US/docs/Learn/CSS/CSS_layout" target="_blank">More about CSS Layout</a></li>

        </ul>

    </aside>


    <!-- This is Footer -->

    <footer class="footer">

        <p>Developer - Suresh Pandit, CSS Dropdown Menus @ 2024</p>

    </footer>

  </div>

 </body>
</html>
```

```css
/* Basic Reset */

* {

  margin: 0;

  padding: 0;

  box-sizing: border-box;

 }


 /* Container Grid Layout */

 .container {

  display: grid;

  grid-template-columns: 1fr 3fr;

  grid-template-rows: auto 1fr auto;

  grid-template-areas:

   "header header"

   "sidebar main"

   "footer footer";

  height: 100vh;

  gap: 10px;

 }


 /* Header Styling */

 .header {

  grid-area: header;

  background-color: #333;

  color: #fff;
```

```css
  padding: 10px;

  position: fixed;

  width: 100%;

  top: 0;

  z-index: 10;

  display: flex;

  justify-content: space-between;

  align-items: center;

}


/* Navigation Menu */
.nav-menu {

  list-style: none;

  display: flex;

  gap: 15px;

}


.nav-menu a {

  color: #fff;

  text-decoration: none;

}


/* Dropdown Menu */
.dropdown {

  position: relative;

}
```

```css
.dropdown-content {
 display: none;
 position: absolute;
 background-color: #444;
 padding: 10px;
 list-style: none;
 top: 100%;
}

.dropdown:hover .dropdown-content {
 display: block;
}

.dropdown-content li a {
 color: #fff;
 padding: 5px 10px;
 display: block;
 text-decoration: none;
}

.dropdown-content li a:hover {
 background-color: #666;
}

/* Main Content Styling */
```

```css
.main-content {

  grid-area: main;

  display: grid;

  grid-template-columns: 1fr 1fr;

  gap: 10px;

  padding: 70px 10px 10px 10px; /* Adjusting for fixed header */

}


.content-box {

  background-color: #f4f4f4;

  padding: 20px;

  position: relative;

}


/* Relative and Absolute Positioning */

.absolute-box {

  position: absolute;

  bottom: 10px;

  right: 10px;

  background-color: #ff6347;

  color: #fff;

  padding: 5px;

}


/* Sidebar Styling */

.sidebar {
```

```css
  grid-area: sidebar;

  background-color: #ddd;

  padding: 20px;

  position: sticky;

  top: 70px; /* Adjusting for fixed header */

  height: calc(100vh - 70px);

}


.sidebar h2 {

  margin-bottom: 10px;

}


.sidebar ul {

  list-style: none;

}


.sidebar li a {

  text-decoration: none;

  color: #333;

  display: block;

  padding: 5px 0;

}


/* Footer Styling */
.footer {

  grid-area: footer;
```

```css
  background-color: #333;

  color: #fff;

  text-align: center;

  padding: 10px;

}


/* Responsive Design */
@media (max-width: 768px) {

  .container {

    grid-template-columns: 1fr;

    grid-template-areas:

      "header"

      "main"

      "sidebar"

      "footer";

  }

  .main-content {

    grid-template-columns: 1fr;

  }

}
```

Results

Guide for Beginner Web Developers

Home   Menu   Blog

Click links to know more

Website Design and Web Deevlopment

More about Web Development

More about CSS Layout

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ChatGPT can make mistakes. Check important info.

---

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Absolute Box