

## Activity 1.01 – video store page template

### Solution:

1. First, we open the `chapter_01` folder in VS Code (**File > Open Folder...**), and we will create a new plain text file by clicking **File > New File**. Then, save it in the HTML format, by clicking **File > Save As...** and entering `template.html` as the filename. Start by adding the doctype and the empty html, head and body elements:

```
<!DOCTYPE html>
<html lang="en">
  <head>
  </head>
  <body>
  </body>
</html>
```

2. Add the title in the head element to describe the site, and add a placeholder for the part of the title specific to the page:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>
      Films on Demand -
      <!-- Title for page goes here -->
    </title>
  </head>
  <body>
  </body>
</html>
```

3. Next, add the metadata to describe the document character encoding, site description, and the viewport:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>
      Films on Demand -
      <!-- Title for page goes here -->
    </title>
    <meta
```

```
        name="description"
        content="Buy films from our great selection.
        Watch movies on demand."
    >
    <meta
        name="viewport"
        content="width=device-width, initial-scale=1"
    >
</head>
<body>
</body>
</html>
```

4. Add an `h1` element in the `body` element to provide a page heading. Add the text `s` to this element:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>
      Films on Demand -
      <!-- Title for page goes here -->
    </title>
    <meta
      name="description"
      content="Buy films from our great selection.
      Watch movies on demand."
    >
    <meta
      name="viewport"
      content="width=device-width, initial-scale=1"
    >
  </head>
  <body>
    <h1>Lorem ipsum</h1>
  </body>
</html>
```

5. Finally, add a `p` element beneath the `h1` element to provide content. Add the paragraph of placeholder text provided in the chapter to the `p` element:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
```

```
<title>
  Films on Demand -
  <!-- Title for page goes here -->
</title>
<meta
  name="description"
  content="Buy films from our great selection.
  Watch movies on demand."
>
<meta
  name="viewport"
  content="width=device-width, initial-scale=1"
>
</head>
<body>
  <h1>Lorem ipsum</h1>
  <p>
    Lorem ipsum dolor sit amet, consectetur
    adipiscing elit. Nullam quis scelerisque mauris.
    Curabitur aliquam ligula in erat placerat
    finibus. Mauris leo neque, malesuada et augue
    at, consectetur rhoncus libero. Suspendisse
    vitae dictum dolor. Vestibulum hendrerit iaculis
    ipsum, ac ornare ligula. Vestibulum efficitur
    mattis urna vitae ultrices. Nunc condimentum
    blandit tellus ut mattis. Morbi eget gravida
    leo. Mauris ornare lorem a mattis ultricies.
    Nullam convallis tincidunt nunc, eget rhoncus
    nulla tincidunt sed. Nulla consequat tellus
    lectus, in porta nulla facilisis eu. Donec
    bibendum nisi felis, sit amet cursus nisl
    suscipit ut. Pellentesque bibendum id libero at
    cursus. Donec ac viverra tellus. Proin sed dolor
    quis justo convallis auctor sit amet nec orci.
    Orci varius natoque penatibus et magnis dis
    parturient montes, nascetur ridiculus mus.
  </p>
</body>
</html>
```

6. Open the file in a browser, and you will see the following web page:

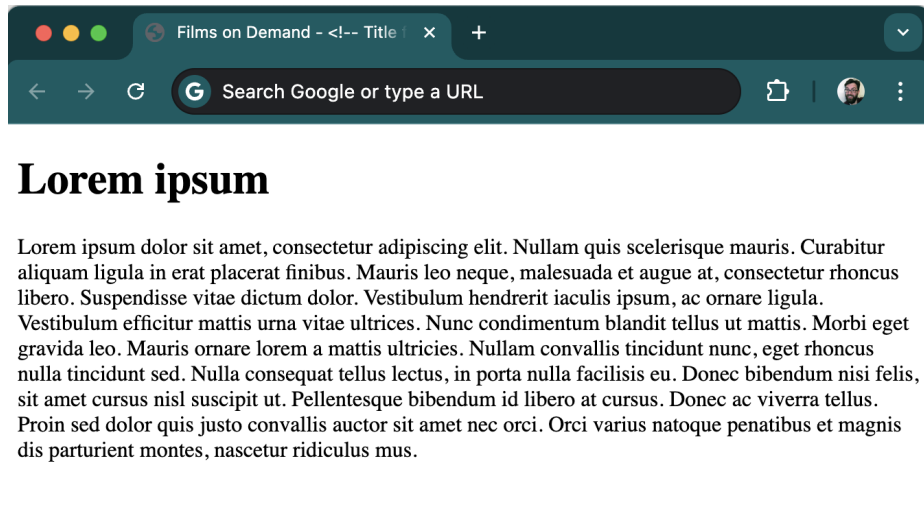


Figure 1: The resulting web page

## Activity 1.02 – styling the video store template page

Solution:

1. First, we open the `chapter_01` folder in **VS Code** (**File > Open Folder...**), and we will open the previously saved `template.html` file from *Activity 1.01*. Now, add a link to the head element of `template.html`, pointing to a local copy of `styles/normalize.css`:

```
<link href="styles/normalize.css" rel="stylesheet">
```

2. Next, beneath the `link` element, and still within the head element of `template.html`, we add an empty `style` element:

```
<style>
</style>
```

3. In the `style` element, we want to set the page and all elements in it to use the `border-box` box-sizing model:

```
<style>
  html {
    box-sizing: border-box;
  }
```

```
*, *:before, *:after {  
    box-sizing: inherit;  
}  
</style>
```

4. Then, we set the font size and family styles for all the content on the page, using the body selector in the style element:

```
<style>  
    html {  
        box-sizing: border-box;  
    }  
    *, *:before, *:after {  
        box-sizing: inherit;  
    }  
    body {  
        font-family: Arial, Helvetica, sans-serif;  
        font-size: 16px;  
    }  
</style>
```

5. We want to wrap our page content (the h1 and p elements) in a div element, which will act as a page wrapper that we can use to style the whole page:

```
<div id="pageWrapper" class="full-page">  
    <h1>Lorem ipsum</h1>  
    <p>  
        Lorem ipsum dolor sit amet, consectetur  
        adipiscing elit. Nullam quis scelerisque  
        mauris. Curabitur aliquam ligula in erat  
        placerat finibus. Mauris leo neque,  
        malesuada et augue at, consectetur rhoncus  
        libero. Suspendisse vitae dictum dolor.  
        Vestibulum hendrerit iaculis ipsum, ac  
        ornare ligula. Vestibulum efficitur mattis  
        urna vitae ultrices. Nunc condimentum  
        blandit tellus ut mattis. Morbi eget gravida  
        leo. Mauris ornare lorem a mattis ultricies.  
        Nullam convallis tincidunt nunc, eget  
        rhoncus nulla tincidunt sed. Nulla consequat  
        tellus lectus, in porta nulla facilisis eu.  
        Donec bibendum nisi felis, sit amet cursus  
        nisl suscipit ut. Pellentesque bibendum id  
        libero at cursus. Donec ac viverra tellus.
```

```
        Proin sed dolor quis justo convallis auctor  
        sit amet nec orci. Orci varius natoque  
        penatibus et magnis dis parturient montes,  
        nascetur ridiculus mus.  
    </p>  
</div>
```

6. Next, we will add styles to the `style` element to set a background color for the page and to make the color fill the whole height of the page:

```
#pageWrapper {  
    background-color: #eeeae4;  
    padding: 16px;  
}  
.full-page {  
    min-height: 100vh;  
}
```

7. Finally, we want to change the padding and margin of the `h1` element. Again, we add this to the `style` element:

```
h1 {  
    margin: 0;  
    padding: 0 0 16px 0;  
}
```

8. The resulting code is as follows:

```
<!DOCTYPE html>  
<html lang="en">  
  <head>  
    <meta charset="utf-8">  
    <title>  
      Films on Demand -  
      <!-- Title for page goes here -->  
    </title>  
    <meta  
      name="description"  
      content="Buy films from our great selection.  
      Watch movies on demand."  
    >  
    <meta  
      name="viewport"  
      content="width=device-width, initial-scale=1"  
    >
```

```
<link
  href="styles/normalize.css"
  rel="stylesheet"
>
<style>
  html {
    box-sizing: border-box;
  }
  , *:before, *:after {
    box-sizing: inherit;
  }
  body {
    font-family: Arial, Helvetica, sans-serif;
    font-size: 16px;
  }
  #pageWrapper {
    background-color: #eeeae4;
    padding: 16px;
  }
  .full-page {
    min-height: 100vh;
  }
  h1 {
    margin: 0;
    padding: 0 0 16px 0;
  }
</style>
</head>
<body>
  <div id="pageWrapper" class="full-page">
    <h1>Lorem ipsum</h1>
    <p>
      Lorem ipsum dolor sit amet, consectetur
      adipiscing elit. Nullam quis scelerisque
      mauris. Curabitur aliquam ligula in erat
      placerat finibus. Mauris leo neque, malesuada
      et augue at, consectetur rhoncus libero.
      Suspendisse vitae dictum dolor. Vestibulum
      hendrerit iaculis ipsum, ac ornare ligula.
      Vestibulum efficitur mattis urna vitae
      ultrices. Nunc condimentum blandit tellus ut
      mattis. Morbi eget gravida leo. Mauris ornare
      lorem a mattis ultricies. Nullam convallis
```

```
tincidunt nunc, eget rhoncus nulla tincidunt  
sed. Nulla consequat tellus lectus, in porta  
nulla facilisis eu. Donec bibendum nisi felis,  
sit amet cursus nisl suscipit ut. Pellentesque  
bibendum id libero at cursus. Donec ac viverra  
tellus. Proin sed dolor quis justo convallis  
auctor sit amet nec orci. Orci varius natoque  
penatibus et magnis dis parturient montes,  
nascetur ridiculus mus.  
  
</p>  
</div>  
</body>  
</html>
```

9. Open the file in a browser, and you will see the following web page:

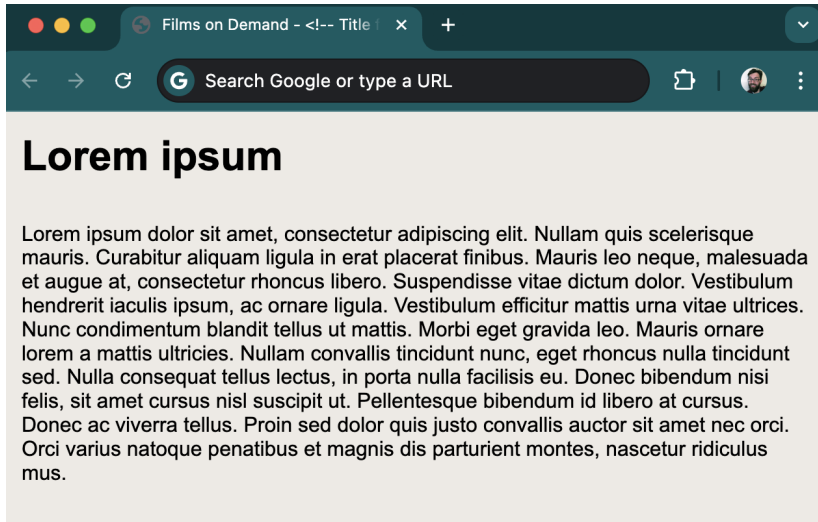


Figure 2: The resulting styled web page template