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## HTML Element

The HTML **element** is everything from the start tag to the end tag:

Examples of some HTML elements:

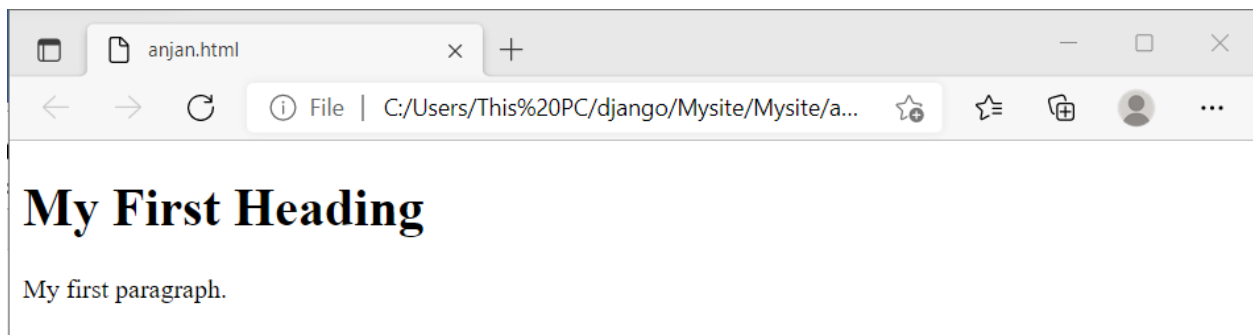
`<h1>My First Heading</h1>`

`<p>My first paragraph.</p>`

### Code:

```
<!DOCTYPE html>
<html>
<body>
<h1>My First Heading</h1>
<p>My first paragraph.</p>
</body>
</html>
```

### Output:



## HTML Attributes

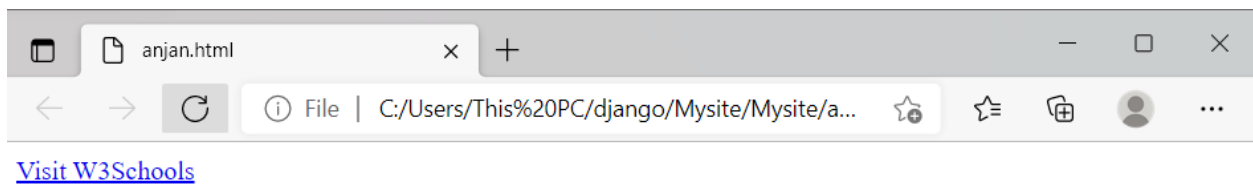
HTML attributes provide additional information about HTML elements. Attributes are always specified in **the start tag**. Attributes usually come in name/value pairs like: **name="value"**

### The href Attributes

#### Code:

```
<!DOCTYPE html>
<html>
<body>
<a href="https://www.w3schools.com">Visit W3Schools</a>
</body>
</html>
```

#### Output:

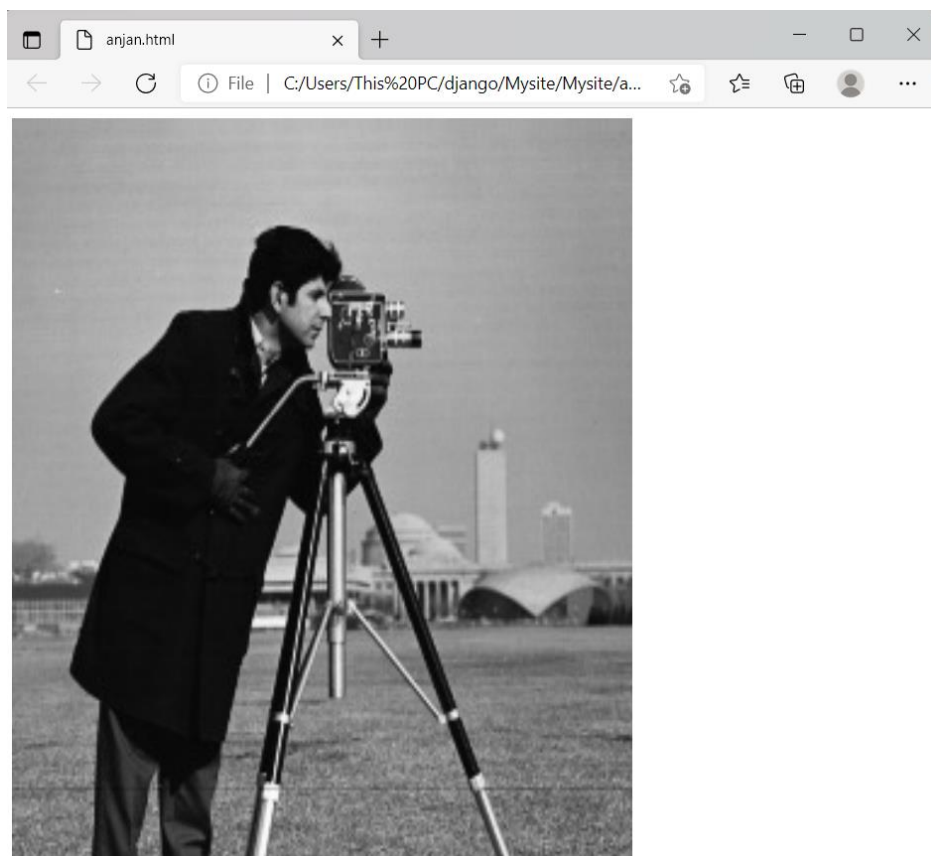


## The src Attribute

### Code:

```
<!DOCTYPE html>  
<html>  
<body>  
  
</body>  
</html>
```

### Output:



## The alt Attribute

### **Code:**

```
<!DOCTYPE html>
<html>
<body>

</body>
</html>
```

### **Output:**

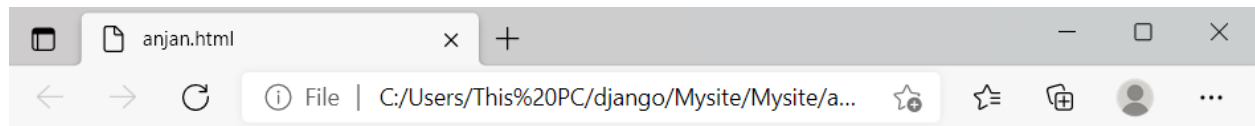


## The style Attribute

### Code:

```
<!DOCTYPE html>
<html>
<body>
<p style="color:red;">This is a red paragraph.</p>
</body>
</html>
```

### Output:



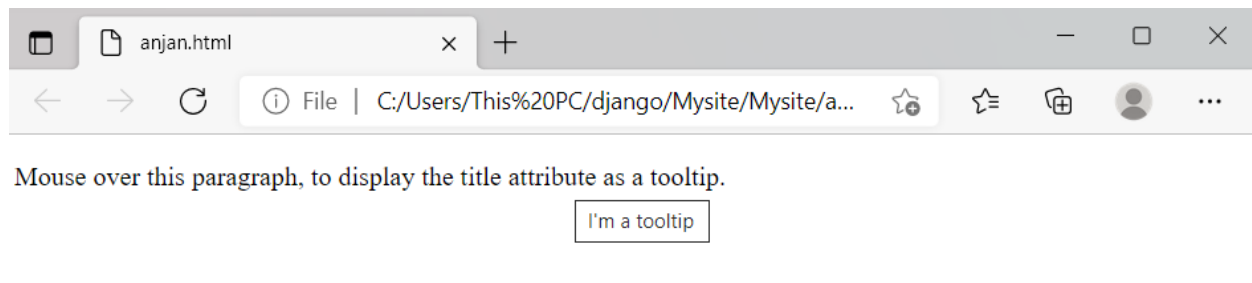
This is a red paragraph.

## Title Attribute

### **Code:**

```
<!DOCTYPE html>
<html>
<body>
<p title="I'm a tooltip">Mouse over this paragraph, to display the title attribute as a tooltip.</p>
</body>
</html>
```

### **Output:**



## HTML Headings

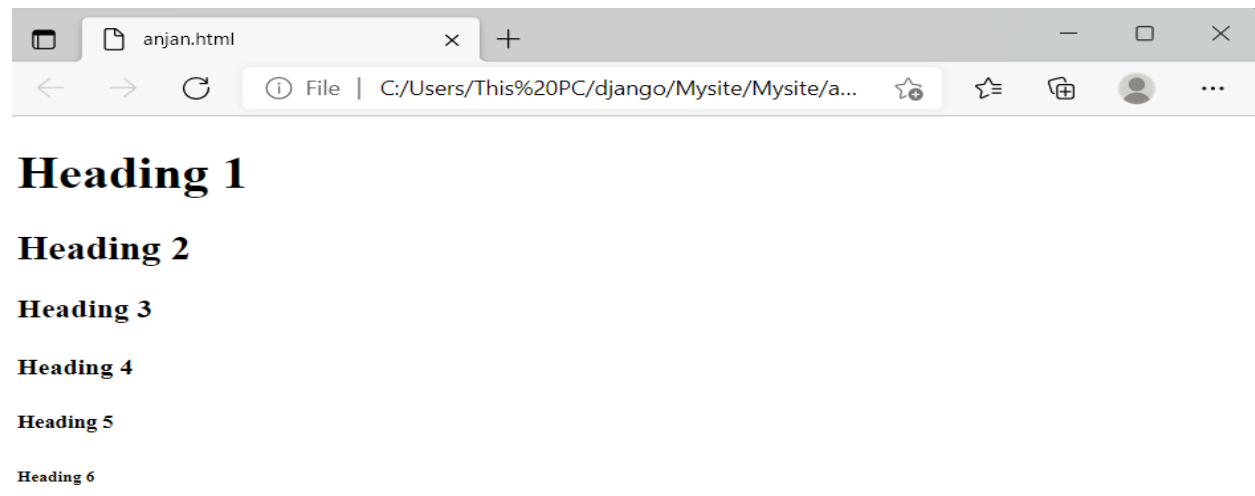
HTML headings are titles or subtitles that you want to display on a webpage.

HTML headings are defined with the `<h1>` to `<h6>` tags. `<h1>` defines the most important heading. `<h6>` defines the least important heading.

### Code:

```
<!DOCTYPE html>
<html>
<body>
<h1>Heading 1</h1>
<h2>Heading 2</h2>
<h3>Heading 3</h3>
<h4>Heading 4</h4>
<h5>Heading 5</h5>
<h6>Heading 6</h6>
</body>
</html>
```

### Output:





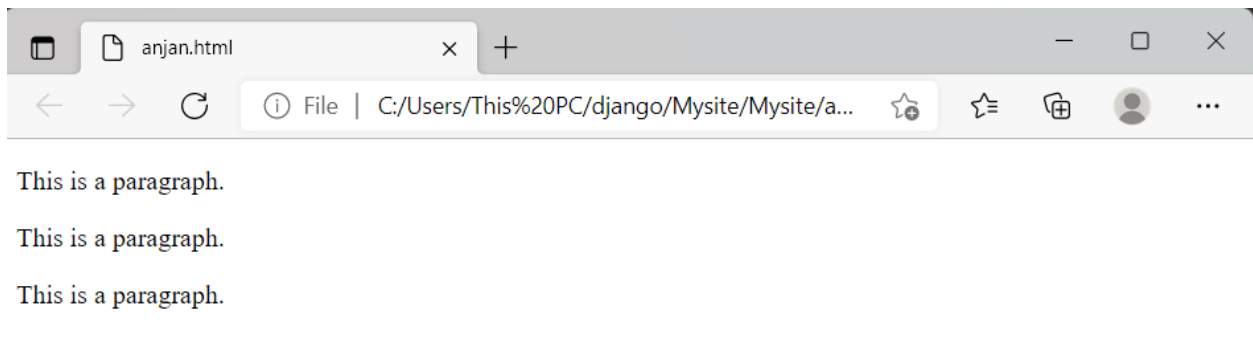
## HTML Paragraphs

The HTML `<p>` element defines a paragraph. A paragraph always starts on a new line, and browsers automatically add some white space (a margin) before and after a paragraph.

### **Code:**

```
<!DOCTYPE html>
<html>
<body>
<p>This is a paragraph.</p>
<p>This is a paragraph.</p>
<p>This is a paragraph.</p>
</body>
</html>
```

### **Output:**



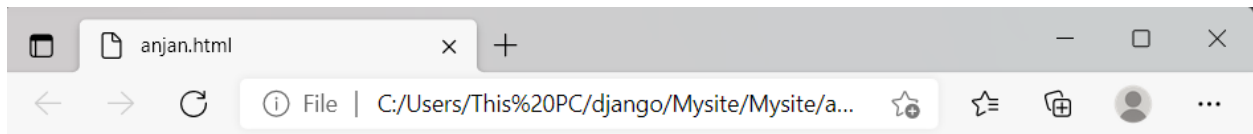
## HTML Comments

HTML comments are not displayed in the browser, but they can help document your HTML source code.

### **Code:**

```
<!DOCTYPE html>
<html>
<body>
<!-- This is a comment -->
<p>This is a paragraph.</p>
<!-- Comments are not displayed in the browser -->
</body>
</html>
```

### **Output:**



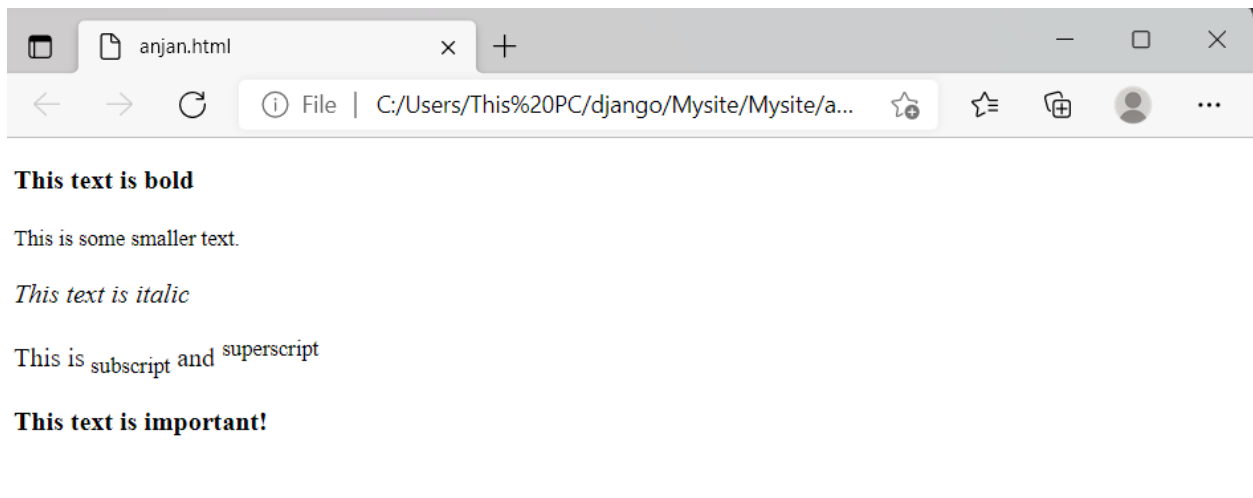
This is a paragraph.

## HTML Text Formatting

### Code:

```
<!DOCTYPE html>
<html>
<body>
<p><b>This text is bold</b></p>
<p><small>This is some smaller text.</small></p>
<p><i>This text is italic</i></p>
<p>This is<sub> subscript</sub> and <sup>superscript</sup></p>
<p><strong>This text is important!</strong></p>
</body>
</html>
```

### Output:



## Images in HTML

In HTML we use generally five types of Image Format e.g Jpg, Gif, Png, Apng, Svg.

### Code:

```
<!DOCTYPE html>

<html>

<head>

<title>Absolute and Relative Addressing in HTLL with IMAGE</title>

</head>

<body>

<h1> absolute image path</h1>



<h1> Relative image path</h1>



</body>

</html>
```

### Output:

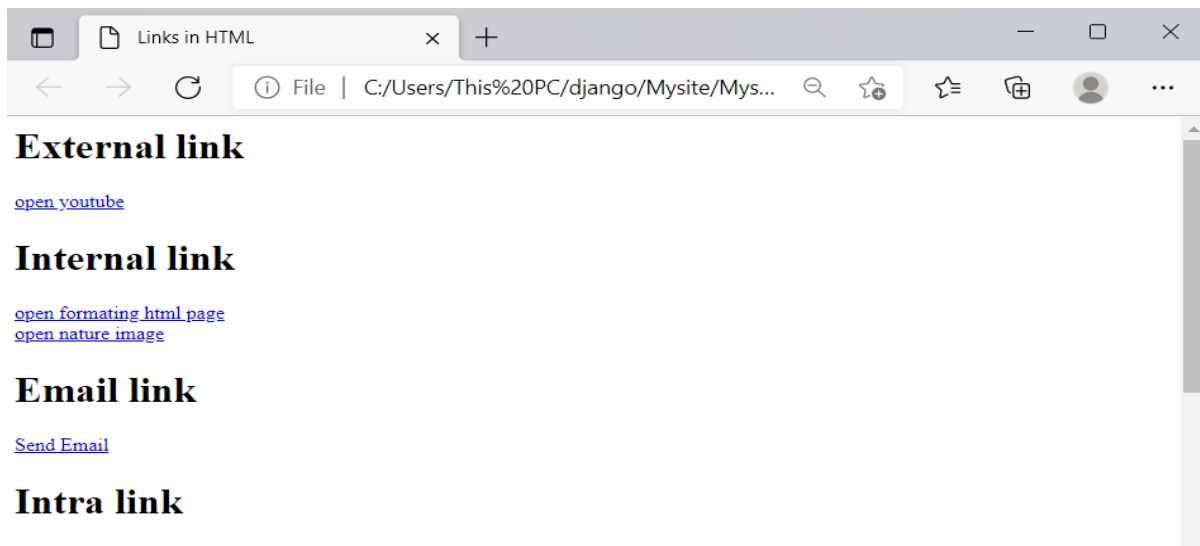


## HTML Links

### Code:

```
<html>
<head>
<title>Links in HTML</title>
</head><body>
<a name="top"></a>
<h1> External link</h1>
<a href="https://www.youtube.com&quot; target="blank">open youtube</a>
<br>
<h1> Internal link</h1>
<a href="formating tags.html" target="blank">open formating html page</a><br>
<a href="images/nature.jpg" target="blank">open nature image</a>
<h1> Email link</h1>
<a href="abc@gmail.com">Send Email</a>
<br>
<h1> Intra link</h1>
<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
<a href="#top">go to top</a>
</body>
</html>
```

### Output:



## HTML List

### Code:

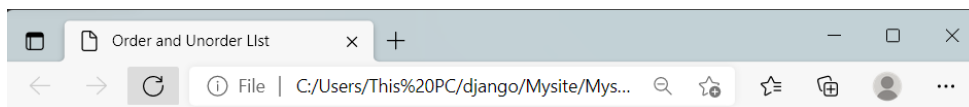
```
<html>
<head>
<title>Order and Unorder List</title>
</head>
<body>
<h1> Order list</h1>
<ol type="A" start="3">
<li>Ram</li>
<li>Shyam</li>
<li>Hari</li>
</ol>
<h1> unordered list</h1>
<ul type="circle" >
<li>Ram</li>
<li>Shyam</li>
<li>Hari</li>
</ul>
<h1>Nested List</h1>
<ol type="1">
<li>Subjects
<ol type="a">
<li>Math</li>
<li>Eco</li>
<li>Science</li>
</ol>
</li>
<li>Fruits
<ol type="a">
<li>Banana</li>
<li>Apple</li>
</ol>
</li></ol>
<h1> Definition List</h1>
```

```

<dl><dt>CPU</dt>
<dd>Central Processing Unit</dd>
    <dt>HTML</dt>
<dd>Hyper text Markup Language</dd>
</dl>
<h1>The datalist elementas Auto complete Textbox</h1>
Enter Name <input list="studentnames">
    <datalist id="studentnames">
<option>Ram</option>
<option> Shyam</option>
</datalist>
</body></html>

```

## Output:



### Order list

C. Ram  
D. Shyam  
E. Hari

### unorder list

- Ram
- Shyam
- Hari

### Nested List

1. Subjects
  - a. Math
  - b. Eco
  - c. Science
2. Fruits
  - a. Banana
  - b. Apple

### Definition List

CPU  
Central Processing Unit  
HTML  
Hyper text Markup Language

### The datalist elementas Auto complete Textbox

Enter Name

## HTML Tables

### Code:

```
<html>
<head>
<title> Tables In HTML</title>
</head>
<body>
<h1> Simple table (old way)</h1>
<table border="1" width="500" bgcolor="pink" cellspacing="10" cellpadding="10" bordercolor="red">
  <caption>Student List</caption>
  <tr>
    <td>Name</td>
    <td>Age</td>
    <td>RollNumber</td>
  </tr>
  <tr>
    <td>Ram</td>
    <td>34</td>
    <td>12</td>
  </tr>
  <tr>
    <td>Shyam</td>
    <td>23</td>
    <td>23</td>
  </tr>
  <tr>
    <td>Total</td>
    <td>2</td>
    <td>2</td>
  </tr>
</table>
<br>
<br>
<h1> Simple table (new way) dividing sections</h1>
<table border="1" width="500" bgcolor="pink" cellspacing="10" cellpadding="10" bordercolor="red";>
```



```

<caption>Student List</caption>
<thead>
<tr>
<td>Name</td>
<td>Age</td>
<td>RollNumber</td>
</tr>
</thead>
<tbody>
<tr>
<td>Ram</td>
<td>34</td>
<td>12</td>
</tr>
<tr>
<td>Shyam</td>
<td>23</td>
<td>23</td>
</tr>
</tbody>
<tfoot>
<tr>
<td>Total</td>
<td>2</td>
<td>2</td>
</tr>
</tfoot>
</table>
<h1> Mixing Cells</h1>
<table border="1">
<tr>
<td colspan="3"> student Statostics</td>
</tr>
<tr>
<td rowspan="2">Class</td>
<td>Boys</td>
<td>Gisl</td>

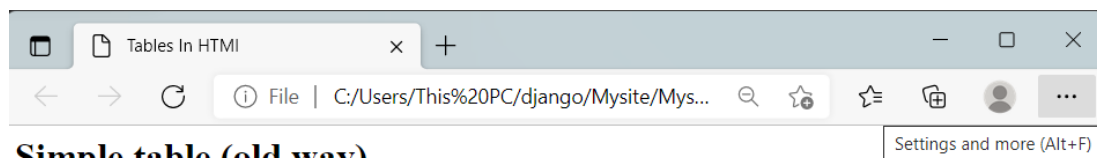
```

```

</tr>
<tr>
<td>20</td>
<td>25</td>
</tr>
<tr>
<td colspan="2">Toatl</td>
<td>45</td>
</tr>
</table>
</body>
</html>

```

### Output:



### Simple table (old way)

Student List		
Name	Age	RollNumber
Ram	34	12
Shyam	23	23
Total	2	2

### Simple table (new way) dividing sections

Student List		
Name	Age	RollNumber
Ram	34	12
Shyam	23	23
Total	2	2

### Mixing Cells

student Statistics		
Class	Boys	Gisl
	20	25
Toatl	45	

## HTML FORM

### Code:

```
<html>
<head>
<title>Student Registration Form</title>
</head>
<body>
<form>
<h1>Student Registration</h1>
<table>
<tr>
<td>Name</td>
<td><input type="text" required></td>
</tr>
<tr>
<td>Email ID</td>
<td><input type="email" placeholder="Entr Email"></td>
</tr>
<tr>
<td>UserName</td>
<td><input type="email"></td>
</tr>
<tr>
<td>Password</td>
<td><input type="password" disabled></td>
</tr>
<tr>
<td>Confirm Password</td>
<td><input type="password" readonly></td>
</tr>
<tr>
<td>Gender</td>
<td>
<input type="radio" name="gender">Male<br>
<input type="radio" name="gender">Female<br>

```

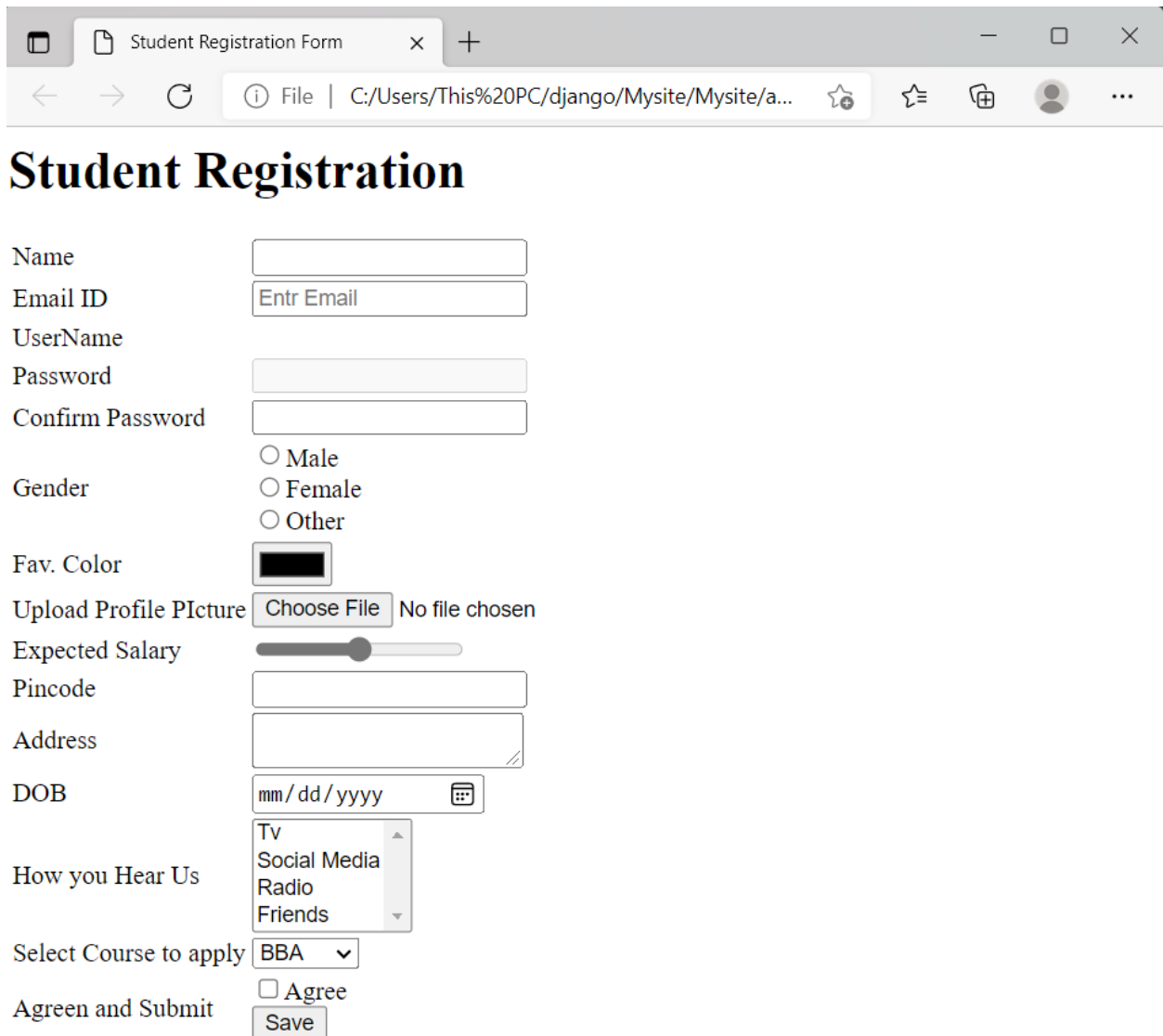
```

<input type="radio" name="gender">Other<br>
</td>
</tr>
<tr>
<td>Fav. Color</td>
<td><input type="color"></td>
</tr>
<tr>
<td>Upload Profile Picture</td>
<td><input type="file" required ></td>
</tr>
<tr>
<td>Expected Salary</td>
<td><input type="range" min="0" max="100"></td>
</tr>
<tr>
<td>Pincode</td>
<td><input type="number"></td>
</tr>
<tr>
<td>Address</td>
<td><textarea></textarea></td>
</tr>
<tr>
<td>DOB</td>
<td><input type="date"></td>
</tr>
<tr>
<td>How you Hear Us</td>
<td>
<select Multiple>
<option>Tv</option>
<option>Social Media</option>
<option>Radio</option>
<option>Friends</option>
</select>
</td>

```

```
</tr>
<tr>
<td>Select Course to apply</td>
<td>
<select >
<option>BBA</option>
<option>BBA BI</option>
<option>BCA</option>
<option>BHM</option>
</select>
</td>
</tr>
<tr>
<td>Agreen and Submit</td>
<td>
<input type="checkbox">Agree<br>
<input type="submit" value="Save" accesskey="s">
</td>
</tr>
</table>
</form>
</body>
</html>
```

**Output:**



The screenshot shows a web browser window with the title "Student Registration Form". The address bar displays the file path "C:/Users/This%20PC/django/Mysite/Mysite/a...". The form is titled "Student Registration" and contains the following fields and controls:

- Name: Text input field.
- Email ID: Text input field with placeholder text "Entr Email".
- UserName: Text input field.
- Password: Text input field.
- Confirm Password: Text input field.
- Gender: Radio button group with options "Male", "Female", and "Other".
- Fav. Color: Color selection box showing black.
- Upload Profile Picture: "Choose File" button and "No file chosen" text.
- Expected Salary: Range slider.
- Pincode: Text input field.
- Address: Text input field.
- DOB: Text input field with placeholder "mm/dd/yyyy" and a calendar icon.
- How you Hear Us: Dropdown menu with options "Tv", "Social Media", "Radio", and "Friends".
- Select Course to apply: Dropdown menu with "BBA" selected.
- Agree and Submit: "Agree" checkbox and "Save" button.

## HTML Global Attributes

### Code:

```
<html>
<head>
<title>HTML Global Attributes</title>
<meta charset="UTF-8">
  <meta name="description" content="Free Web tutorials">
  <meta name="keywords" content="HTML, CSS, JavaScript">
  <meta name="author" content="John Doe">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>
<body>
<ol>
<li>id</li>
<li>class</li>
<li>accesskey</li>
<li>spellcheck</li>
<li>lang</li>
<li>style</li>
</ol>
<p contenteditable="true" spellcheck="true" style="color:red;"> My name is Khan and i am not a
terrorist.</p>
</body>
</html>
```

### Output:

