

HTML Form- text input control

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HTML FORM

If you want to collect any data from a site user, HTML forms are needed. For example, you would like to gather information during user registration, such as name , email address, phone_number etc.

A form will accept input from the user to the site and then post it to a backend application such as PHP script . Based on established business logic within the application, the back-end application will perform the necessary processing on the passed data.

There are various form elements available like text fields, textarea fields, drop-down menus, radio buttons, checkboxes, etc.

The HTML <form> tag is used to create an HTML form

Syntax:

```
<form action =" URL script" method="GET|POST">
```

Form elemnts

```
</form>
```

HTML Form Controls

There are different types of form controls that you can use to collect data using HTML form

- Text Input Controls
- Checkboxes Controls
- Radio Box Controls
- Select Box Controls
- File Select boxes
- Hidden Controls
- Clickable Buttons
- Submit and Reset Button

Text input controls

1. **Single line text control:** This control is used for objects, such as search boxes or names, that require only one line of user input. They are generated by using the < **input > tag** in HTML.

Attributes

type: Indicates the type of input control and for text input control it will be set to text.

name: Used to give a name to the control which is sent to the server to be recognized and get the value.

Value: This can be used to provide an initial value inside the control.

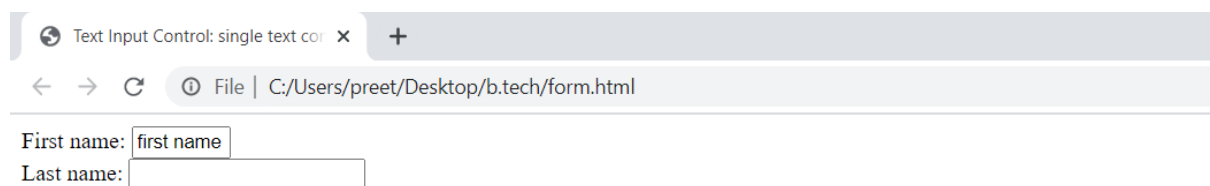
Maxlength : Allows to specify the maximum number of characters a user can enter into the text box.

Size: Allows to specify the width of the text-input control in terms of characters.

Code:

```
<html>
<head>
  <title>Text Input Control: single text control</title>
</head>
<body>
  <form >
    First name: <input type = "text" name = "first_name" value="first name"
maxlength="10" size="5"/>
    <br>
    Last name: <input type = "text" name = "last_name" />
  </form>
</body>
</html>
```

Output:



2. **Password text control**: This is just a single-line text entry, but as soon as a user enters it, it hides the character. They are created with the HTML < input > tag.

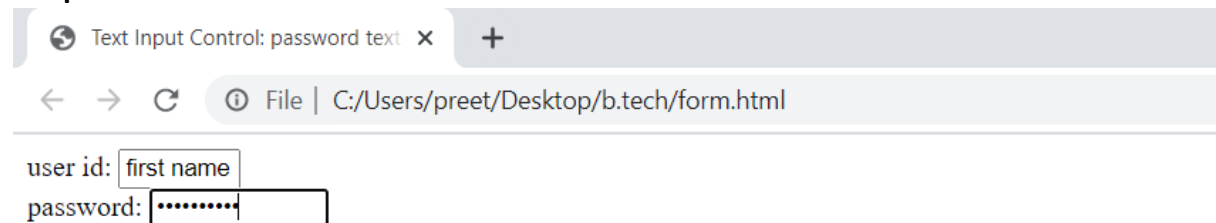
Code:

```
<html>
<head>
  <title>Text Input Control: password text control</title>
</head>
```

```
<body>
  <form >
    user id: <input type = "text" name = "user_id" value="first name" maxlength="10"
size="5"/>
    <br>
    password: <input type = "password" name = "password" value="" maxlength="10"
size="10"/>
  </form>
</body>

</html>
```

Output:



3. **Multi-line text control:** This is used to provide information that may be longer than a single sentence when the user is needed. Using the HTML `< textarea >` tag, multi-line input controls are generated.

Attributes:

name: Used to assign the control a name that is sent to the server to be acknowledged and the value received.

rows: Indicates the number of rows of text area box.

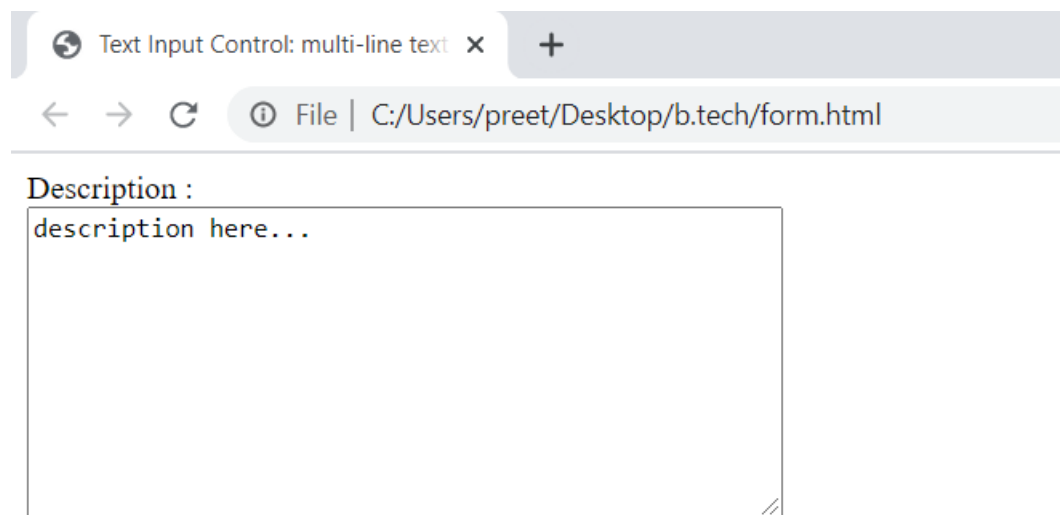
cols: Indicates the number of columns of text area box

Code:

```
<html>
<head>
  <title>Text Input Control: multi-line text control</title>
</head>
```

```
<body>
  <form >
    Description : <br />
    <textarea rows = "10" cols = "50" name = "description">description here...
    </textarea>
  </form>
</body>
</html>
```

Output:



References

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6. Patel and Barik, "Introduction to Web Technology & Internet", Acme Learning