

Assignment 3

Aim : Design an online registration form for any application and validate it using JQuery.

Problem Statement: Design an online registration form for any application and validate it using JQuery.

Theory :

* What is JQuery?

JQuery is a lightweight, "write less, do more", Javascript library. The purpose of JQuery is to make it much easier to use Javascript on your website. JQuery takes a lot of common tasks that require many lines of Javascript code to accomplish, and wraps them into methods that you can call with a single line of code.

JQuery also simplifies a lot of the complicated things from Javascript, like AJAX calls and DOM manipulation. It contains features like

- HTML / DOM manipulation
- CSS manipulation
- HTML event methods
- Effects and animations
- AJAX
- Utilities

* Advantages of JQuery

* It is quite popular because of its simplicity and ease of use.

* Promotes simplicity

* Cross-browser compatibility

* Clean and beautiful syntax

* Animations and cool effects

* Highly extensible

* Pages load faster

* SEO friendly

* JQuery validation

Mobile number - & First name

```
HTML form - <form action="" name="reg">
               <input type="text" name="fname"/>
               <input type="number" name="phone"/>
             </form>
```

jQuery Validation -

```
$(function() {
```

```
  $("form[name='registration']").validate({
    rules: {
```

```
      firstname : # - re
```

```
      fname : "required",
```

```
      phone : {
```

```
          required : true,
```

```
          digits : true,
```

```
          minlength : 10,
```

```
          maxlength : 10
```

```
      }
```

```
      messages : {
```

```
          fname : "Please enter your  
first name",
```

```
          last name
```

```
          phone : "Phone number must  
contain exactly 10 digits"
```

```
      }
```

```
    });
```

```
});
```


We create a form in HTML and give the input fields their respective names. In JQuery we write validation rules for each of these fields. We first declare a function which embeds form validation function. This form validation function contains two parts - (1) Rules (2) Messages. The rules are the "validation" rules that we want to enforce on our fields. It is written as key value pairs, where key is the name of the input field and value is the actual ~~rule~~ rule or combination of rules. Messages section allows us to override the error messages that the form will display when these rules are not attained.

Conclusion -

In this assignment, I have designed an online registration form and validated it using JQuery.