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<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>JavaScript Form Validation</title>
  <link rel="stylesheet" href="style.css">
</head>

<body>
  <h1>Welcome to the best form on Internet!</h1>
  <form action="/myaction.php" name="myForm" onsubmit="return validateForm()"
method="post">
    <div class="formdesign" id="name">
      Name: <input type="text" name="fname" required><b><span
class="formerror"> </span></b>
    </div>

    <div class="formdesign" id="email">
      Email: <input type="email" name="femail" required><b><span
class="formerror"> </span></b>
    </div>

    <div class="formdesign" id="phone">
      Phone: <input type="phone" name="fphone" required><b><span
class="formerror"></span></b>
    </div>

    <div class="formdesign" id="pass">
      Password: <input type="password" name="fpass" required><b><span
class="formerror"></span></b>
    </div>

    <div class="formdesign" id="cpass">
      Confirm Password: <input type="password" name="fcpass"
required><b><span class="formerror"></span></b>
    </div>

    <input class="but" type="submit" value="Submit">

  </form>
</body>
```

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<script src="index.js"></script>

</html>
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body {
  padding: 10px 50px;
}

.formdesign {
  font-size: 20px;
}

.formdesign input {
  width: 50%;
  padding: 12px 20px;
  border: 1px solid blue;
  margin: 14px;
  border-radius: 4px;
  font-size: 15px;
}

.formerror {
  color: red;
}

.but {
  border-radius: 9px;
  width: 100px;
  height: 50px;
  font-size: 25px;
  margin: 22px 20px;
}
```

```
function seterror(id, error){
  //sets error inside tag of id
  element = document.getElementById(id);
  element.getElementsByClassName('formerror')[0].innerHTML = error;
}
```

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}

function validateForm(){
    var returnval = true;
    clearErrors();

    //perform validation and if validation fails, set the value of returnval to
false
    var name = document.forms['myForm']["fname"].value;
    if (name.length<5){
        seterror("name", "*Length of name is too short");
        returnval = false;
    }

    if (name.length == 0){
        seterror("name", "*Length of name cannot be zero!");
        returnval = false;
    }

    var email = document.forms['myForm']["femail"].value;
    if (email.length>15){
        seterror("email", "*Email length is too long");
        returnval = false;
    }

    var phone = document.forms['myForm']["fphone"].value;
    if (phone.length != 10){
        seterror("phone", "*Phone number should be of 10 digits!");
        returnval = false;
    }

    var password = document.forms['myForm']["fpass"].value;
    if (password.length < 6){

        // Quiz: create a logic to allow only those passwords which contain
atleast one letter, one number and one special character and one uppercase letter
        seterror("pass", "*Password should be atleast 6 characters long!");
        returnval = false;
    }

    var cpassword = document.forms['myForm']["fcpass"].value;
    if (cpassword != password){
        seterror("cpass", "*Password and Confirm password should match!");
        returnval = false;
    }
}

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    return returnval;  
}
```