***Exceptions Handling:***

***Try & Catch :***

In some piece of code out of long javascript coded file. If code breakdowned and won’t work as you desired as you coded you got nothing either a waring or an error in many cases.

For that we put a try catch exceptions with out functions.so whenever we got an error even in thousand lines of code if caught the problem and solve it.

Example code with a problem :

  function greetWorld() {

       var greeting = "Hello world!";

  aler(greeting);

        }

Since we identify that alert have the error but nothing will happen if you run the code.

Since we apply try catch here to caught the problem.in realtime we use exception handling in thousand lines of code offcourse.

Now see application of try catch :

try{

         var greeting = "Hello world!";

         aler(greeting);

 }

 catch(err){

  alert(err);

 }

Graphical user interface

Description automatically generated with low confidence

***Throw :***

By adding two or more throw statements we can define our own error exception to be shown when caught undefined variable or other error.

 <form onsubmit="return checkpassword();">

                enter a password<br>

                <input type="text" id="f1">

                <input type="submit" value="submit Form">

            </form>

 function checkpassword(){

try {

    var get=document.getElementById("f1").value;

    if(get.length<8){

        throw "please enter atleast 8 characters";

    }

    if(get.indexOf(" ") !== -1){

        throw "you can't use spaces in password";

    }

    var checknumber=true;

   for(var i=0;i<get.length;i++){

    if(isNaN(get(i,i+1))===false){

        checknumber=true;

        break;

    }

    if(checknumber===false){

        throw "must include at least 1 number";

    }

   }

   alert("password submitted !");

} catch (err) {

    alert(err);

}

 }