**1.Assume your code will fail:**

Usually we assume that our code is good. It’s the first thing we should avoid while coding. we should check all the possible ways that will make our code fail. Then we have to take necessary steps to avoid those scenarios. It is only the best way to minimize the error in first place.

**2.Log errors to the server:**

Get used to log errors to the server.Error logs in many cases serve as extremely useful tools for troubleshooting and managing systems, servers and even networks.

**3.You, not the browser, handle errors:**

Try to stop the error using try catch or window. onerror before the browser will response.

**4.Identify where error might occur:**

There will be several reasons for error. we should try to find all the possible ways, that will cause error.

**Types of errors:**

**Coercion errors**

Forcing to do something that they would not normally do.

Ex: If(null) //never executed

**Data type errors**

This occurs when we have the wrong **data type** in a property or in the operator being used.

**Communication errors**

**Invalid URL/Post data**

Ensure to use encodeURL component on all part and parameters are named correctly

**Server Response**

200 is not only the successful response. We should aware of other response like 304 and should code accordingly

**No network connection**

In this case the response of browser will vary. we should aware of those things.

**5.Throw your own errors:**

Sometime the code will not execute the way we except. So, we should code to throw our own errors. In low-level parts of application throw will be suitable. For higher level try-catch is used.

**6.Distinguish fatal versus non-fatal:**

Fatal will not affect the user’s major task. In this case we couldn’t reply the user like not working. It is ignorable kind of error.

Non-fatal will affect the user’s entire task. The reload must be done and the response will send to the user immediately.

We shouldn’t allow our code to decide whether it is fatal or non-fatal.

**7.Debug mode:**

As a Coder, we should spend reasonable time for debugging. We should check the functionality in all possible way to avoid the unnecessary errors.