# Web Form Validation using JavaScript

Previously we made forms using HTML and saw how HTML5 can be used for form validation - such as not allowing a form to be processed if there is an empty text box. Using JavaScript though, we can make more customised validation rules.

## 1.

The first job is to create a web form, in this example it will be a form that could be used for logging in to an account. Open a new HTML file and save it in a folder called **form-validation**, save the file as **reg-form.html**, then add the following code:

Graphical user interface, application

Description automatically generated with medium confidence

## 2.

In order to style the form, you could add the following CSS (you can choose how you would like to implement it):

Text

Description automatically generated

As you can see there are no comments – if you want to use this CSS, you *must* comment it.

## 3.

The next step is to create an external JavaScript file in Notepad++, name it **reg-form-script-v1.js**, then add the following code:

Text

Description automatically generated

## Activity

Consider the following questions:

* What are the variables storing?
* How is the **getElementById** used?
* What does each section of the if statement do?
* What does return false and return true?
* What is the purpose of the function called **init()** ?
* What is the purpose of the statement **window.onload = init** ?
* Why would the use of switch statements not be efficient in this example?