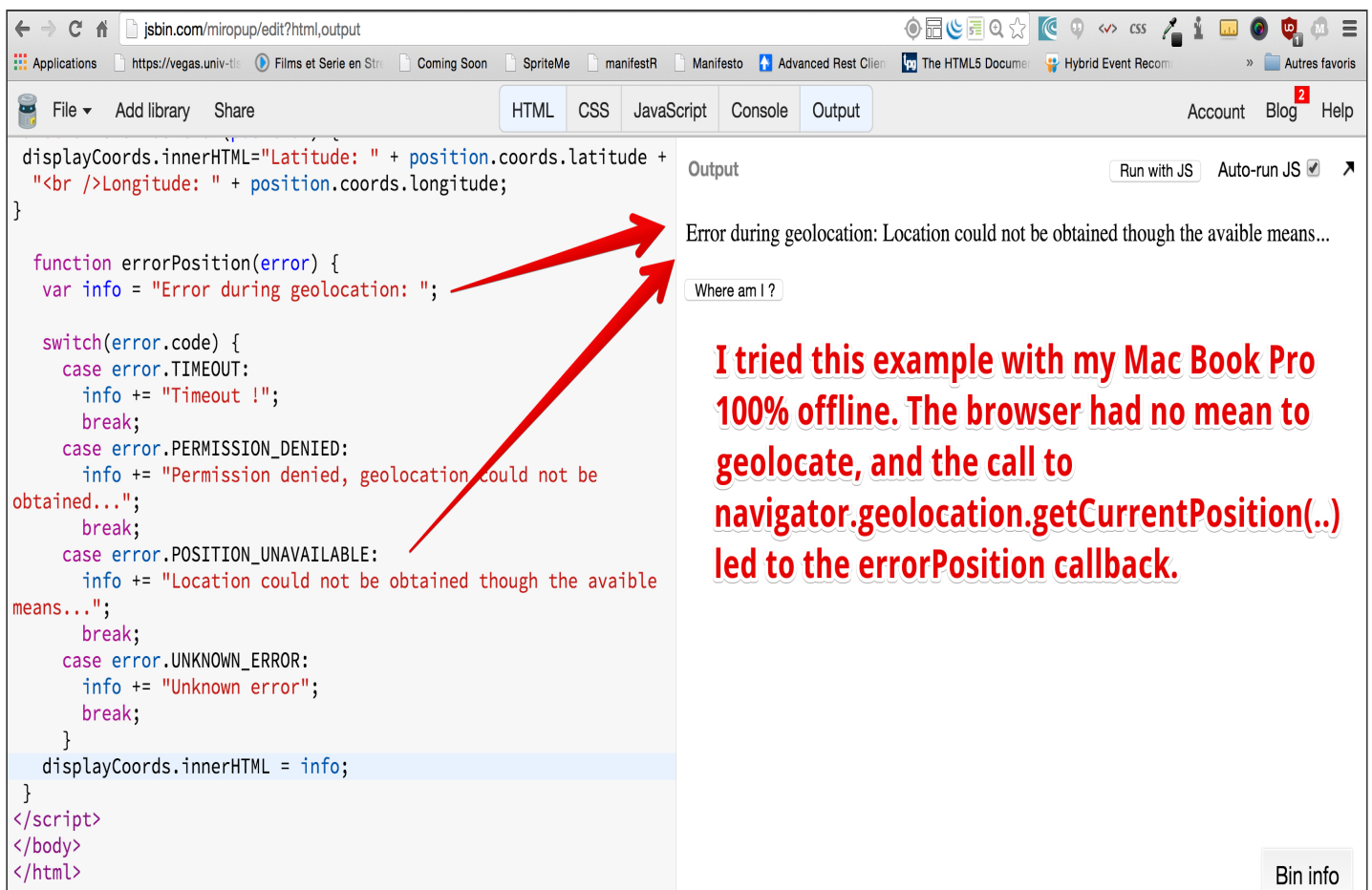


Geolocation error codes

In the last example, we used

`navigator.geolocation.getCurrentPosition(showPosition)` with only one callback function (in the case of success), but it is also possible to pass a second parameter that is another callback function called in the case of error.

This example on JS Bin shows how to properly check against the different possible errors, it's just a slightly different version of the previous example. Try it, then turn your WiFi off or unplug your Ethernet cable (or turn off GPS and 3G/4G on a mobile phone). You should see an error message:



The screenshot shows a JS Bin editor interface. The left pane contains HTML and JavaScript code. The right pane shows the browser's output console. Two red arrows point from the code to the console output.

Code in the left pane:

```
displayCoords.innerHTML="Latitude: " + position.coords.latitude +  
"<br />Longitude: " + position.coords.longitude;  
}  
  
function errorPosition(error) {  
  var info = "Error during geolocation: ";  
  
  switch(error.code) {  
    case error.TIMEOUT:  
      info += "Timeout !";  
      break;  
    case error.PERMISSION_DENIED:  
      info += "Permission denied, geolocation could not be  
obtained...";  
      break;  
    case error.POSITION_UNAVAILABLE:  
      info += "Location could not be obtained though the available  
means...";  
      break;  
    case error.UNKNOWN_ERROR:  
      info += "Unknown error";  
      break;  
  }  
  displayCoords.innerHTML = info;  
}  
</script>  
</body>  
</html>
```

Output in the right pane:

Error during geolocation: Location could not be obtained though the available means...
Where am I ?

Red text overlay:

I tried this example with my Mac Book Pro 100% offline. The browser had no mean to geolocate, and the call to `navigator.geolocation.getCurrentPosition(..)` led to the `errorPosition` callback.

Source code of the example:

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

```

<head>
<title>Basic example of use of the geolocation API</title>
</head>
<body>
<p id="msg">Click the button to get your coordinates:</p>
<button onclick="getLocation()">Where am I ?</button>
10. <script>
    var displayCoords=document.getElementById("msg");
    function getLocation() {
        if (navigator.geolocation) {

            navigator.geolocation.getCurrentPosition(showPosition,errorPosition);
            } else {
                displayCoords.innerHTML="Geolocation API not supported by
your browser.";
            }
        }
20.
    function showPosition(position) {
        displayCoords.innerHTML="Latitude:
" + position.coords.latitude +
                                "<br />Longitude:
" +position.coords.longitude;
    }
    function errorPosition(error) {
30.     var info = "Error during geolocation: ";
        switch(error.code) {
            case error.TIMEOUT:
                info += "Timeout !";
                break;
            case error.PERMISSION_DENIED:
                info += "Permission denied, geolocation could not be
obtained...";
                break;
            case error.POSITION_UNAVAILABLE:
                info += "Location could not be obtained though the
available means...";
                break;
40.         case error.UNKNOWN_ERROR:
                info += "Unknown error";
                break;
        }
    }

```

```
        displayCoords.innerHTML = info;
    }
</script>
</body>
</html>
```