

Slide 12.11: Using HTML5 Geolocation Geolocation

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# Handling Geolocation Errors and Rejections

The code below is the previous Geolocation example including the function of handling Geolocation errors and rejections. The second parameter of the [getCurrentPosition](#) method is used to handle errors. If it fails to get the user's location, the specified callback function (showError in this example) is called with the [positionError](#) object that stores the returned error information including:

- *Permission denied (value 1)*—The user is not allowed to use Geolocation.
- *Position unavailable (value 2)*—The current location is not available.
- *Timeout (value 3)*—The operation is timed out.

```
<!DOCTYPE HTML>
<html>
<body>
  Click the button to get your coordinates:
  <button onClick="getLocation( )">Get the Position!</button>
  <p id="demo"></p>

  <script>
    var x = document.getElementById( "demo" );

    function getLocation( ) {
      if ( navigator.geolocation )
        navigator.geolocation.getCurrentPosition( showPosition, showError );
      else
        x.innerHTML = "Geolocation is not supported by this browser.";
    }

    function showPosition( position ) {
      x.innerHTML = "Latitude: " + position.coords.latitude;
      x.innerHTML += "Longitude: " + position.coords.longitude;
    }

    function showError( error ) {
      switch ( error.code ) {
```

```
case error.PERMISSION_DENIED:
  x.innerHTML = "User is denied the request for Geolocation.";
  break;
case error.POSITION_UNAVAILABLE:
  x.innerHTML = "Location information is unavailable.";
  break;
case error.TIMEOUT:
  x.innerHTML = "The request to get user location timed out.";
  break;
case error.UNKNOWN_ERROR:
  x.innerHTML = "An unknown error occurred.";
  break;
}
}
</script>
</body>
</html>
```

## Demonstration

The following demonstration shows how the HTML5 script is displayed on the Web.

Display the HTML Reset

```
<html>
<head><title>HTML Working Area</title></head>
<body>

Click the button to get your coordinates:
<button onClick="getLocation( )">Get Them!</button>
<p id="demo"></p>

<script>
var x = document.getElementById( "demo" );

function getLocation( ) {
  if ( navigator.geolocation )
    navigator.geolocation.watchPosition( showPosition );
  else
    x.innerHTML = "Geolocation is not supported by this
browser.";
}
```

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