

Showing date and time in Symbian Web Runtime

This code example shows how to receive the current system date and time using JavaScript's own methods.

Source

Add the components where the time will be printed on the HTML page:

```
<p id="standardTime"></p>
<p id="customTime"></p>
```

The following functions handle displaying the time:

```
/**
 * Displays the time in both standard (received from the system) and custom
 * (manually built) formats.
 */
function displayTime() {
    // Get current date info
    var today = new Date();

    // Standard format
    document.getElementById("standardTime").innerHTML = today;

    // Custom format
    var y = today.getFullYear();
    var m = today.getMonth() + 1; // Starts from 0
    var d = today.getDate();
    var hh = today.getHours();
    var mm = today.getMinutes();
    var ss = today.getSeconds();

    // Add a zero in front of numbers < 10
    m = padTime(m);
    d = padTime(d);
    mm = padTime(mm);
    ss = padTime(ss);

    var result = y + "-" + m + "-" + d + " " +
                weekdays[today.getDay()] + " " +
                hh + ":" + mm + ":" + ss;

    document.getElementById("customTime").innerHTML = result;
}

/**
 * If time is represented by one digit, add '0' in front of it.
 * @param i the number to convert to two digits
 * @return a string representing the number in two or more digits
 */
function padTime(i) {
    if (i < 10) {
        i = "0" + i;
    }
    return i;
}
```

```
}
```

Also add the call to `setInterval` which in this case updates the time every 0.5 seconds.

```
setInterval("displayTime()", 500);  
displayTime();
```

Postconditions

Time is displayed on the HTML page in both standard (received from the system) and custom (manually built) formats.

Supplementary material

You can view the source file and executable application in the attached ZIP archive. The archive is available for download at [Media:Showing date and time in WRT.zip](#).