Adding and deleting calendars in Symbian Web Runtime

Overview

This code example demonstrates how to add and delete calendars on Symbian Web Runtime, using the Calendar Service API (introduced in S60 5th Edition).

To obtain access to a service object for the Calendar Service API, the `device.getServiceObject("Service.Calendar", "IDataSource")` method is used.

Source: Relevant HTML components

```
<label for="calendarList">Calendars:</label><br />
<select size="2" id="calendarList" onclick="showEvents();"></select><br />

<input type="button" value="Add" id="add" onclick="addCalendar();">
<input type="button" value="Delete" id="delete" onclick="deleteCalendar();">
```

Source: JavaScript file

```
var serviceObj = null;

window.onload = init;

// Initializes the widget
function init() {
    // Obtain the service object
    try {
        serviceObj = device.getServiceObject("Service.Calendar",
            "IDataSource");
    } catch (ex) {
        alert("Service object cannot be found.");
        return;
    }

    listCalendars();
}

function listCalendars() {
    // Listing calendars is omitted here for brevity. Refer to the See also
    // section for the code snippet that provides you with more information.
    // ...
}

function addCalendar() {
    var calName = prompt("Please enter the calendar name", "C:NewCalendar");
    if (calName == "" || calName == null) {
        return;
    }
    var criteria = new Object();
    criteria.Type = "Calendar";

    var item = new Object();
    item.CalendarName = calName;
```


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```
    criteria.Item = item;

    try {
        var result = serviceObj.IDataSource.Add(criteria);
        if (result.ErrorCode != 0){
            alert("Error in adding a new calendar");
        }
        listCalendars();
    } catch (ex) {
        alert("Error in adding a new calendar: " + ex);
    }
}

function deleteCalendar() {
    var calendarList = document.getElementById("calendarList");
    var calName = "";
    for (var i = 0; i < calendarList.options.length; i++) {
        if (calendarList.options[i].selected) {
            calName = calendarList.options[i].value;
        }
    }
    if (calName == "" || calName == null) {
        return;
    }
    var criteria = new Object();
    criteria.Type = "Calendar";

    var delData = new Object();
    delData.CalendarName = calName;
    criteria.Data = delData;

    try {
        var result = serviceObj.IDataSource.Delete(criteria);
        if (result.ErrorCode != 0){
            alert("Error in deleting the calendar");
        }
        listCalendars();
    } catch (ex) {
        alert("Error in deleting the calendar: " + ex);
    }
}
```

Postconditions

The user can add and delete calendars by pressing the Add and Delete buttons.

Supplementary material

You can view the source file and executable application in the attached ZIP archive. The archive is available for download at Media:Adding and deleting calendars in WRT.zip.

See also

Listing calendars in Symbian Web Runtime

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