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Platform	S60 5th Edition	Tested on devices	Nokia 5800 XpressMusic
Category	Web Runtime (WRT)	Subcategory	PIM

Keywords (APIs, classes, methods, functions): device.getServiceObject(), Service.Calendar.GetList()

Overview

This code snippet shows how to list calendar entries by using the Calendar Platform Service for S60 Web Runtime introduced in S60 5th Edition.

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

Source: Relevant HTML components

```
<input type="radio" name="eventType" id="meeting" checked
  onclick="showEntries();">
<label for="meeting">Meetings</label><br />

<input type="radio" name="eventType" id="anniversary"
  onclick="showEntries();">
<label for="anniversary">Anniversaries</label><br />

<input type="radio" name="eventType" id="dayEvent"
  onclick="showEntries();">
<label for="dayEvent">Day Events</label><br />

<input type="radio" name="eventType" id="reminder"
  onclick="showEntries();">
<label for="reminder">Reminders</label><br />

<input type="radio" name="eventType" id="todo"
  onclick="showEntries();">
<label for="todo">Todos</label><br />

<label for="entriesList">Entries:</label><br />
<select size="2" id="entriesList"></select><br />
```

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;
    }
}

function showEntries() {
    var criteria = new Object();
    var filter = new Object();
    if (document.getElementById("meeting").checked) {
        filter.Type = "Meeting";
    } else if (document.getElementById("anniversary").checked) {
        filter.Type = "Anniversary";
    } else if (document.getElementById("dayEvent").checked) {
        filter.Type = "DayEvent";
    } else if (document.getElementById("reminder").checked) {
        filter.Type = "Reminder";
    } else if (document.getElementById("todo").checked) {
        filter.Type = "ToDo";
    }
    criteria.Filter = filter;
    criteria.Type = "CalendarEntry";

    // Get the list of entries
    try {
        var result = serviceObj.IDataSource.GetList(criteria);
        if (result.ErrorCode == 0) {
            displayEntries(result.ReturnValue);
        } else {
            alert("Error in getting calendar entries.");
        }
    } catch(exception) {
        alert("Error in getting calendar entries: " + result.ErrorMessage);
    }
}

function displayEntries(iterator) {
    var entriesList = document.getElementById("entriesList");

    // Empty the entries list
    while (entriesList.length != 0) {
        entriesList.remove(0);
    }

    // Set the pointer to the first element
    iterator.reset();

    var item;
    while ((item = iterator.getNext()) != undefined) {

```

CS001244_-_Listing_calendar_entries_in_WRT

```
var msg = "";
msg = msg + "Type: " + item['Type'];
msg = msg + "Summary: " + item['Summary'];
// The commented code shows available fields that can be retrieved
//msg = msg + "StartTime: " + item['StartTime'];
//msg = msg + "EndTime: " + item['EndTime'];
//msg = msg + "Id: " + item['Id'];
//msg = msg + "LocalId: " + item['LocalId'];
var node = document.createElement("option");
node.value = item['LocalId'];
node.appendChild(document.createTextNode(msg));
entriesList.appendChild(node);
}
}
```

Postconditions

Available calendar entries are displayed.

Supplementary material

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

See also

[CS001278 - Listing calendars in WRT](#)