

# **sgcjQueryMobile 1.3**

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# Introduction

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The component is designed to enhance WebPages made with IntraWeb applying a JQueryMobile Template.

## Features

- Drop a component on your form and automatically will enhance standard intraweb components. Enhance properties like: Theme, Inline controls or Mini view...Standard IntraWeb Components Supported:
  - TIWEdit
  - TIWComboBox
  - TIWRadioButton
  - TIWCheckBox
  - TIWButton
  - TIWMemo
  - TIWGrid
- Touch and Orientation Events support, using Async Events.
  - Orientation: detect when device change to portrait or landscape
  - Swipe: detect when user does a swipe to left or to right
  - Touch: detect when user touch or touch tap hold
- Built-in navigation system, including footer and header bars.
  - ToolBar: includes 2 buttons (left and right) with async on click support
  - Navigation Bar: includes up to 5 buttons, with built-in standard icons, async events and customized themes
  - SlidingPanels
  - ListViews
- Built-in Dialogs and PopUps.
  - Dialogs: customize custom Modal Dialogs.
  - PopUp: customize custom context menus.
- Compatible with mobile, tablet, e-reader and desktop browsers.
  - Apple iOS
  - Android
  - BlackBerry
  - Windows Phone
  - Firefox
  - Chrome
  - Internet Explorer
  - ...
- HTML Templates Support.
- Built-in Themes support.
- Available JQueryMobile APIs
  - 1.2

## sgcjQueryMobile 1.3

- 1.4

# Overview

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## Delphi Editions

### Delphi supported IDE

- Delphi 2007
- Delphi 2009
- Delphi 2010
- Delphi XE
- Delphi XE2
- Delphi XE3
- Delphi XE4
- Delphi XE5
- Delphi XE6
- Delphi XE7
- Delphi XE8
- Delphi 10 Seattle

### Free Version

Compiled \*.dcu files provided with free version are using default Intraweb version. If you have upgraded any of these packets, probably it won't work or you need to buy full source code version.

## History

- [\*] : Bug
- [+] : New
- [-] : Deleted
- [/] : Breaking changes

### 1.3: 2015 October

- [+] : Added support for Rad Studio 10 Seattle
- [+] : Added support for Rad Studio XE8
- [+] : Added support for Rad Studio XE7

[\*] : Fixed Bug Access Violation using Intraweb HTML Layout on 14.0.32

### 1.2: 2014 July

- [+] : Added support for Rad Studio XE4
- [+] : Added support for Rad Studio XE5
- [+] : Added support for Rad Studio XE6
- [+] : Added support to JQueryMobile 1.4

- [\*] : Fixed Intraweb Bug using Templates on version IW12.2+
- [\*] : Fixed Intraweb XI Bug with Internet Explorer Browser
- [\*] : Fixed Bug for Unicode Characters

### 1.1: 2012 December

[+] : Standard TIWGrid now is automatically enhanced: reflow and toggle column support.

- [+] : Added support for ListViews.
- [+] : Added support for Dialogs.
- [+] : Added support for PopUps.
- [+] : Added support for SlidingPanels.
- [+] : Added Delphi XE3 Support
- [+] : Upgraded to JQueryMobile 1.2

### 1.0: 2012 May

- [+] : First Version



## Installation

### 1. Unzip the files included into a directory `{$DIR}`

### 2. From Delphi:

Add the directory where the files are unzipped `{$DIR}` to the Delphi library path under Tools, Environment options, Directories

#### All Delphi/C++Builder Versions

Add the directory `{$DIR}\source` to the library path

#### For specific Delphi/C++Builder version

Delphi 2007 library path	: Add the directory <code>{\$DIR}\libD2007</code> to the
Delphi 2009 library path	: Add the directory <code>{\$DIR}\libD2009</code> to the
Delphi 2010 library path	: Add the directory <code>{\$DIR}\libD2010</code> to the
Delphi XE library path	: Add the directory <code>{\$DIR}\libDXE</code> to the
Delphi XE2 library path	: Add the directory <code>{\$DIR}\libDXE2</code> to the
Delphi XE3 library path	: Add the directory <code>{\$DIR}\libDXE3</code> to the
Delphi XE4 library path	: Add the directory <code>{\$DIR}\libDXE4</code> to the
Delphi XE5 library path	: Add the directory <code>{\$DIR}\libDXE5</code> to the
Delphi XE6 library path	: Add the directory <code>{\$DIR}\libDXE6</code> to the
Delphi XE7 library path	: Add the directory <code>{\$DIR}\libDXE7</code> to the
Delphi XE8 library path	: Add the directory <code>{\$DIR}\libDXE8</code> to the
Delphi 10 library path	: Add the directory <code>{\$DIR}\libD10</code> to the

### 3. From Delphi

**Choose**

File, Open and browse for the correct  
Packages\sgcJQueryMobile.groupproj (First compile  
sgcJQueryMobileX.dpk and then install  
dclsgcJQueryMobileX.dpk)

**packages files for Delphi**

sgcJQueryMobileD2007.groupproj	: Delphi 2007
sgcJQueryMobileD2009.groupproj	: Delphi 2009
sgcJQueryMobileD2010.groupproj	: Delphi 2010
sgcJQueryMobileDXE.groupproj	: Delphi XE
sgcJQueryMobileDXE2.groupproj	: Delphi XE2
sgcJQueryMobileDXE3.groupproj	: Delphi XE3
sgcJQueryMobileDXE4.groupproj	: Delphi XE4
sgcJQueryMobileDXE5.groupproj	: Delphi XE5
sgcJQueryMobileDXE6.groupproj	: Delphi XE6
sgcJQueryMobileDXE7.groupproj	: Delphi XE7
sgcJQueryMobileDXE8.groupproj	: Delphi XE8
sgcJQueryMobileD10.groupproj	: Delphi 10

**4. Demos**

All demos are available in subdirectory Demos. Just open the project and run it. Intraweb demos may need to modify some units due to different Intraweb Versions.

# Components

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## TsgclWJQMTemplate

This is the Main component used to render JQueryMobile Styles on Intraweb Forms.

You must drop this component on a form, and that's all, automatically renders all supported Intraweb Components to JQueryMobile. Only drop ONE component on every Intraweb Form.

You can select which JQueryMobile API do you want to use:

- JQueryMobile 1.2
- JQueryMobile 1.4

This component has several Sub-components like navigation bars, list views, dialogs... all are grouped on Properties:

- **Enhance**: custom properties to enhance standard Intraweb Components.
- **Safari**: browser properties allowing full-screen, scalable, splash-screen images...
- **HeaderBar**: header bar where you can define up to two buttons (example: home, help...), title...
- **FooterBar**: footer bar where you can define up to two buttons, footer text...
- **HeaderNavBar**: header navigation bar with up to five buttons, usually used for navigation between pages.
- **FooterNavBar**: footer navigation bar with up to five buttons, usually used for navigation between pages.
- **HeaderListView**: header list view, custom list view positioned on top of the page.
- **FooterListView**: footer list view, custom list view position on bottom of the page.
- **LeftSlidePanel**: left slide panel, allowing to build custom navigation panels.
- **RightSlidePanel**: right slide panel, allowing to build custom navigation panels.
- **Dialog**: build custom modal dialogs.
- **PopUp**: build custom on context popups.

## sgcjQueryMobile 1.3

- [LayoutHTML](#): used to customize html template after enhance Intraweb Form.

## TsgcIWJQMTemplate | Layout HTML

When you want to customize the position of sgcIWJQueryMobile controls, you must use a TIWTemplateProcessorHTML control and format custom HTML templates.

You only need to drop a TIWTemplateProcessorHTML control on your form, assign to LayoutMgr property of the form and assign to LayoutHTML property of TsgcIWJQMTemplate.

**Example:** if you have a form named "FRMTest" you need to create a file with FRMTest.html and set Template Directory on ServerController Unit. If you have 2 controls, for example a grid and a button, and you want to view first button (called "IWButton1") and then grid (called "IWGrid1"), you need to define html template like this:

```
<HTML>
<HEAD>
</HEAD>
<BODY>
{%IWButton1%}
{%IWGrid1%}
</BODY>
</HTML>
```

Of course, this is a very simple example and probably you will need to write more complex layouts, if you need more information, please refer to [intraweb documentacion](#).

## Properties

### TsgcIWJQMTemplate | Enhance

This components allows to define properties to enhance standard Intraweb Components:

- **Enable:** if true, enhances standard intraweb components.
- **DataInline:** By default, all buttons in the body content are styled as block-level elements so they fill the width of the screen. However, if you want a more compact control that is only as wide as the text and icons inside or If you have multiple controls that should sit side-by-side on the same line, enable this property.
- **DataMini:** if enabled, creates a more compact version of controls.
- **Theme:** select one theme of the list.
- **TableBodyTheme:** select one theme of the list, applies to body grid.
- **TableColumnPriority:** default priority of grid columns.
- **TableColumnToggle:** if enabled, selectively hides columns at narrower widths as a sensible default but also offers a menu to let users manually control which columns they want to see. This mode is better for financial data tables that have compact values and need to maintain comparisons across columns and rows of data. It can also be used for building things like product comparison tables.
- **TableColumnText:** if not defined is "Columns..."
- **TableHeaderTheme:** select one theme of the list, applies to header grid.

## TsgcIWJQMTemplate | Safari

On this component you can set browser view properties.

- **Enabled:** if true, enables custom properties.
- **FullScreen:** the web application runs in full-screen mode.
- **IconURL:** default icon url
- **InitialScale:** The initial scale of the viewport as a multiplier. The default is calculated to fit the webpage in the visible area
- **PhoneDetection:** Enables or disables automatic detection of possible phone numbers in a webpage in Safari on iOS .
- **Scalable:** if enabled, user can zoom page, otherwise, it can't.
- **SplashScreenUrl:** image url.
- **Style:** This property has no effect unless you first enable FullScreen,

## TsgcIWJQMTemplate | Bar

HeaderBar is a toolbar at the top of the page that usually contains the page title text and optional buttons positioned to the left and/or right of the title for navigation or actions. Headers can optionally be positioned as fixed so they remain at the top of the screen at all times instead of scrolling with the page.

FooterBar is very similar to the header in terms of options and configuration. The primary difference is that the footer is designed to be less structured than the header to allow more flexibility, so the framework doesn't automatically reserve slots for buttons to the left or right as it does in headers.

- **Enabled:** if enabled, it shows toolbar.
- **Fixed:** enable in situations where the toolbar is a global navigation element, you may want it to appear fixed so it doesn't scroll out of view.
- **Fullscreen:** works just like the fixed mode except that the toolbars overlay the page content, rather than reserving a place in the document when not in fixed mode. This is useful for immersive apps like photo or video viewers where you want the content to fill the whole screen and toolbars can be hidden or summoned to appear by tapping the screen. Keep in mind that the toolbars in this mode will sit over page content so this is best used for specific situations.
- **Text:** Text of the toolbar.
- **Theme:** select one of the list.
- **Left/Right Button:**
  - **Enabled:** if enabled, it shows button.
  - **Active:** if enabled, shows button as active.
  - **Icon:** select one of the list.
  - **IconPos:** select icon position: centered, no icon, left...
  - **URL:** define url properties.

You can capture which button is selected, using OnAsyncBarButtonClick Event.

```
procedure OnAsyncBarButtonClick(Sender: TObject; Id:
string);
begin
  if Id = 'sgcIWJQMHeaderBarLeftButtonURL' then
    // ... user selects Left Header Button
  else if Id = 'sgcIWJQMHeaderBarRightButtonURL' then
    // ... user selects Right Header Button
```



end;

## TsgcIWJQMTemplate | NavBar

sgcjQueryMobile has a NavigationBar widget that is useful for providing up to 5 buttons with optional icons in a bar, typically within a header or footer.

- **Enabled:** if enabled, it shows navigation bar.
- **Position:** select where navigation bar is positioned: header, content or footer.
- **Theme:** select one of the list.
- **Buttons:**
  - **Enabled:** if enabled, it shows button.
  - **Active:** if enabled, shows button as active.
  - **Icon:** select one of the list.
  - **IconPos:** select icon position: centered, no icon, left...
  - **URL:** define url properties.

You can capture which button is selected, using OnAsyncBarButtonClick Event.

```
procedure OnAsyncBarButtonClick(Sender: TObject; Id:
string);
begin
    if Id = 'sgcIWJQMHeaderNavBarButton1URL' then
        // ... user selects First Header Button
    else if Id = 'sgcIWJQMHeaderNavBarButton2URL' then
        // ... user selects Second Header Button
end;
```

## TsgcIWJQMTemplate | ListView

Lists are used for data display, navigation, result lists, and data entry so sgcjQueryMobile includes a wide range of list types and formatting examples to cover most common design patterns.

- **Enabled:** if enabled, it shows listview.
- **Divider:** List items can be turned into dividers to organize and group the list items.
- **DividerTheme:** select one theme of the list.
- **AutoDividers:** A listview can be configured to automatically generate dividers for its items, the text used to create dividers is the uppercased first letter of the item's text.
- **Header:** Header Customized Text.
- **Footer:** Footer Customized Text.
- **Search:** adds a filter with a simple client-side search feature.
- **SearchTheme:** select one theme of the list.
- **Read-Only:** if enabled, contents aren't linked.
- **Items:** is a TStringList where you can put a simple title, html text, links...

You can capture user selected item using OnAsyncListViewClick

```
procedure OnAsyncListViewClick(Sender: TObject; Name:
string; Item: Integer);
begin
  if Item = 0 then
    // ... user selects first item
  else if Item = 1 then
    // ... user selects second item
end;
```

## TsgcIWJQMTemplate | SlidePanel

sgcjQueryMobile has a SlidingPanel widget that is useful for provide a Navigation Menu on the left or the right of the page.

- **Enabled:** if enabled, it shows sliding panel.
- **Header:** Header Custom Text Message.
- **Footer:** Footer Custom Text Message.
- **DisplayMode:** Panels can display in three different ways
  - **Reveal:** The panel shifts the viewport over open, partially obscuring part of the page when it pushes it out of view.
  - **Push:** The panel behaves just like pan at narrow widths but at wider viewports (above 600 pixels), the content re-flows to make room for the panel so it can stay open permanently.
  - **Overlay:** The panel slides over the content like a standard menu.

To show SlidingPanel use these methods: ShowLeftSlidePanel or ShowRightSlidePanel.

If you need to Close a Panel, you can use: CloseLeftSlidePanel or CloseRightSlidePanel.

## TsgcIWJQMTemplate | Dialog

Define custom Dialog Properties.

- **Enabled:** if true, dialog is enabled.
- **Title:** Title message.
- **Text:** Body message.
- **HeaderTheme:** select one theme of the list. Applies to header dialog.
- **ContentTheme:** select one theme of the list. Applies to content dialog.
- **NoCloseButton:** if true, enables close button.
- **Button1:** if defined, first button text.
- **Button2:** if defined, second button text.
- **Button3:** if defined, third button text.

You can capture Button clicked by user, using `OnAsyncDialogClick`, it returns Button Text as a parameter.

```
procedure OnAsyncDialogClick(Sender: TObject; Button:
String);
begin
  if Button = 'Yes' then
    // ... user select yes button
  else if Button = 'No' then
    // ... no select no button
end;
```

## **TsgcIWJQMTemplate | PopUp**

Here you can define a customized menu context.

- **Enabled:** if enabled, shows popup.
- **Text:** message text.
- **Menu:** shows [list view](#) items.

If you want to show PopUp, you must use ShowPopUp method. Use ClosePopUp if you want to close an opened PopUp.

## Events

### TsgcIWJQMTemplate | Touch Events

- **OnAsyncTouchTap:** Triggers after a quick, complete touch event.
- **OnAsyncTouchTapHold:** Triggers after a held complete touch event.
- **OnAsyncTouchSwipe:** Triggers when a horizontal drag of 30px or more (and less than 75px vertically) occurs within 1 second duration.
- **OnAsyncTouchSwipeLeft:** Triggers when a swipe event occurred moving in the left direction.
- **OnAsyncTouchSwipeRight:** Triggers when a swipe event occurred moving in the right direction.

## **TsgcIWJQMTemplate | Orientation Events**

- **OnAsyncOrientationChange:** Triggers when a device orientation changes (by turning it vertically or horizontally). When bound to this event, the callback function has one argument, the event object. The event object contains an orientation property equal to either "portrait" or "landscape".



## **TsgcIWJQMTemplate | Tag Events**

- **OnCustomizeTag:** use this event to get more control about enhanced standard controls, you can define Tag Properties Enhanced (DataMini, DataInline, Themes...) and if control is enhanced or not.



# Reference

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## JQueryMobile

JQuery Mobile is an easy way to build sites and apps that are accessible on all popular smartphome, tablet and desktop devices.

The framework includes an Ajax navigation system that brings animated page transitions and a core set of UI widgets: pages, dialogs, toolbars, listviews, buttons with icons, form elements, accordions, collapsibles, and more.

jQuery Mobile has broad support for the vast majority of all modern desktop, smartphone, tablet, and e-reader platforms.

[More Information](#)



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