

# Development

## How to

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## Library

- [Selecting data using JDatabase](#)

## Template

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- [Migrating a Template from Joomla 1.5 to 3.x](#)
- [Modifying a Joomla! Template](#)
- [Understanding Joomla! templates](#)
- [Free Joomla3 Templates](#)
- [How to access Joomla menu parameters anywhere inside Joomla code](#)
- [FontAwesome 4.7](#)
- [Joomla Standard Icomoon Fonts](#)
- [Bootstrap 2.3.2](#)
- [Bootstrap 4.0](#)
- [How do I simulate a hover with a touch in touch enabled browsers?](#)
- [google-webfonts-helper](#)
- [Common fonts for Windows & Mac](#)
- [Website Dimensions, Best Practices](#)

## Language

- [Specification of language files](#)
- [Multilingual Associations](#)
- [Font Awesome 4.7 Icons](#)
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## Component

- [Developing an MVC Component](#)
- [Prepare your extension for Joomla 4 \(pdf\)](#)
- [JController and its subclass usage overview](#)
- [Supporting SEF URLs in your component](#)
- [How to add CSRF anti-spoofing to forms](#)
- [Prevent Users from Submitting a Form Twice](#)
- [Prevent users from submitting a form by hitting Enter](#)
- [Get component, module, plugin, template & menu parameters in Joomla 3.x](#)

RouterBase: `libraries/src/Component/Router/RouterBase.php`

RouterInterface: `libraries/src/Component/Router/RouterInterface.php`

## Forms

- [Form field](#)
- [Standard form field types](#)
- [Creating a custom form field type](#)
- [How To Create Custom Form Field Type in Joomla](#)
- [How to add CSRF anti-spoofing to forms](#)

## Administrator

- [How to access administrator models from site controller / views](#)
- [How to log into joomla through an external script?](#)
- [Add a custom button to a core backend component](#)

## Javascript

- [Javascript Frameworks](#)
- [CSS-Tricks](#)
- [Bootstrap popover](#)
- [Introduction to Sets in Javascript](#)
- [jQuery Timepicker](#)
- [Bootstrap DateTime Picker](#)
- [Joomla Calendar form field](#)
- [How to display a pop up notification to the user using jquery](#)
- [Top 5: Best JavaScript Libraries for Cookies Manipulation](#)
- [js-cookie](#)

## MariaDB

- [Full Backup and Restore with Mariabackup](#)
- [MySQL: count consecutive rows with the same value](#)
- [Analytics in action](#)
- [Is cross-table indexing possible?](#)
- [How to Optimize MySQL Queries for Speed and Performance](#)
- [MYSQL INDEXES](#)
- [phpMyAdmin issue with MariaDB 10.3](#)

## ACL

- [Accessing the current user object](#)
- [Access Control List Tutorial](#)
- [Adding ACL rules to your component](#)
- [Access: Class that handles all access authorisation routines](#)

- [Joomla 3.8 User Access Levels & ACL Explained](#)

## Security

- [reChaptcha](#)
- [Google ReCaptcha](#)
- [How to add CSRF anti-spoofing to forms](#)

## Others

- [How do you redirect users after a successful login?](#)
- [How to debug your code](#)
- [Adapting a Joomla 1.5 extension to Joomla 2.5](#)
- [Joomla 1.5 to 3.x Step by Step Migration](#)
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- [Migrating sites from Joomla 1.5 into Joomla 2.5 or 3.x \(youTube\)](#)
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- [Access Control List Tutorial](#)
- [Joomla 3.8 User Access Levels & ACL Explained](#)
- [Joomla 3 ACL Explained with Randy Carey](#)
- [access control tutorial code](#)
- [How to restrict access to custom component views?](#)
- [ACL Manager](#)
  
- [Inserting, Updating and Removing data using JDatabase](#)
- [Joomla : how to get the url of a specific Menu itemID?](#)
- [Best way to include helper class in sub-controller](#)
- [PHP code to get active menu item ID in Joomla](#)
- [Application Route Parsing](#)
- [How to create router for a component in joomla](#)
- [How To Create a Custom Checkbox/Radio Button](#)
- [Custom Component URL router](#)
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- [Is there any way to set a private/protected static property using reflection classes](#)
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