



Unlock the Power of Joomla 5 Develop your First Component with Web Services!

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~~Part 1: Developing a ToDo list app~~

- ~~1. Planning the component~~
- ~~2. Creating the tables in the database~~
- ~~3. Understanding folder structure~~
- ~~4. Describing our component to Joomla~~

Part 2: Developing our Webservice

1. Web Services Basics
2. Creating an end point for our Web Service
3. Adding the logic for the Web Service
4. Having fun!!

Web Services Basics

- Machine language
- No HTML, replies in JSON, XML...
- Hard to test in a browser
- 4 verbs: POST, GET, PATCH, DELETE
- No user session

References



Chapter 6

Consuming Joomla Web Services

- POSTMAN, HOPPSCOTCH, PHP scripts, cURL, editor plugins...
- Need to create a token for your Joomla user in any case

References



Chapter 6

Creating an end point for our Web Service

<https://developingextensionsforjoomla5.com/jdayusa2024/live/4-webservices-plugin>

- Routes are added with plugins of type *webservices*
- In the route you may define the different actions you allow
- The *createCRUDRoutes()* method add all possible actions to the Web Service

References



Chapter 6

Handling the request in our component

<https://developingextensionsforjoomla5.com/jdayusa2024/live/5-api>

- Create the ProjectsController.php
- Create the JsonapiView.php

References



Chapter 6

on the shoulder of giants

- Joomla Extension Development by Nicholas Dionysopoulos
 - <https://www.dionysopoulos.me/book.html>
- Joomla 4 – Developing Extensions: Step by step to an working Joomla extension
 - <https://a.co/d/1BIVa8j>
 - <https://web.archive.org/web/20230518080457/https://blog.astrid-guenther.de/en/der-weg-zu-joomla4-erweiterungen/>
- Joomla! Documentation
 - <https://manual.joomla.org>

Thank you!