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# Odoo Development Cookbook

Build effective business applications using  
the latest features in Odoo 17

HUSEN DAUDI | JAY VORA  
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HOLGER BRUNN | DANIEL REIS



# Odoo Development Cookbook

**Parth Gajjar, Alexandre Fayolle, Holger  
Brunn, Daniel Reis**

## **Odoo Development Cookbook:**

**Odoo 14 Development Cookbook** Parth Gajjar,Alexandre Fayolle,Holger Brunn,Daniel Reis,2020-12-24 With over 200 recipes covering real world examples take your Odoo development skills to the next level and solve complex business problems using this guide Key Features Book DescriptionWith its latest iteration the powerful Odoo framework released a wide variety of features for rapid application development This updated Odoo development cookbook will help you explore the new features in Odoo 14 and learn how to use them to develop Odoo applications from scratch You ll learn about the new website concepts in Odoo 14 and get a glimpse of Odoo s new web client framework the Odoo Web Library OWL Once you ve completed the installation you ll begin to explore the Odoo framework with real world examples You ll then create a new Odoo module from the ground up and progress to advanced framework concepts You ll also learn how to modify existing applications including Point of Sale POS applications This book isn t just limited to backend development you ll discover advanced JavaScript recipes for creating new views and widgets As you progress you ll learn about website development and become a quality Odoo developer by studying performance optimization debugging and automated testing Finally you ll delve into advanced concepts such as multi website In App Purchasing IAP Odoo sh the IoT Box and security By the end of the book you ll have all the knowledge you need to build impressive Odoo applications and you ll be well versed in development best practices that will come in handy when working with the Odoo framework What you will learn Build beautiful websites with Odoo CMS using dynamic building blocks Get to grips with advanced concepts such as caching prefetching debugging Modify backend JavaScript components and POS applications with the new OWL framework Connect and access any object in Odoo via Remote Procedure Calls RPC Manage deploy and test an Odoo instance with Odoo sh Configure IoT Box to add and upgrade Point of Sale POS hardware Find out how to implement in app purchase services Who this book is for **Odoo 12 Development Cookbook** Parth Gajjar,Alexandre Fayolle,Holger Brunn,Daniel Reis,2019-04-27 Build customized solutions for your business using the latest features of Odoo 12 and Python Key Features Get up to speed with Odoo 12 to create custom and reusable modules Interconnect your application with other systems by implementing web APIs Understand the mechanisms powering the Odoo framework and Odoo sh to build robust enterprises Book DescriptionOdoo is a powerful framework known for rapid application development Its latest release Odoo 12 introduces tons of new features With this book you ll learn how to develop powerful Odoo applications from scratch using all the latest features This Odoo cookbook starts by covering Odoo installation and deployment on the server Next you ll explore the Odoo framework with real world examples You ll create a new Odoo module from the ground up and progress to advanced framework concepts You ll also learn how to modify existing applications including Point of Sale POS This book is not just limited to backend development the advanced JavaScript recipes for creating new views and widgets will help you build beautiful UI elements As you move forward you ll gain insights into website development and become a quality Odoo developer by studying performance

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purchase services Who this book is for This book is for developers who are new to the Odoo framework and want to develop effective business applications Experienced Odoo developers looking to revisit specific topics or discover new features in Odoo 17 may also benefit from this book Basic knowledge of Python programming and JavaScript programming is necessary to get the most out of this book [Odoo Development Cookbook](#) Holger Brunn,Alexandre Fayolle,Daniel Reis,2016-04-29 Build effective applications by applying Odoo development best practices About This Book Each recipe stands by itself as much as possible so that you can jump straight into the topics you prefer The recipes included cover all the major development areas of Odoo and the most important techniques explained through real life projects From seasoned authors learn the tricks of becoming a productive developer with the Odoo framework Who This Book Is For If you are a Python developer who wants to learn or consolidate your Odoo development skills then this book is for you Some experience with the JavaScript programming language and web development is required to fully benefit from the front end chapters What You Will Learn Install and manage Odoo environments and instances Use Models to define your application s data structures Add business logic to your applications Implement automated tests and debug Odoo apps Use back end views to create a user interface Get to know about the access security model and internationalization features Develop front end website features Extend the web client with new widgets and features In Detail Odoo is a full featured open source ERP with a focus on extensibility The flexibility and sustainability of open source is also a key selling point of Odoo It is built on a powerful framework for rapid application development both for back end applications and front end websites The book starts by covering Odoo installation and administration and provides a gentle introduction to application development It then dives deep into several of the areas that an experienced developer will need to use You ll learn implement business logic adapt the UI and extend existing features Style and Approach These practical and easy to follow recipes are presented step by step with dozens of hands on recipes to boost your Odoo skills This book can also be used as a reference guide for your daily work

[Odoo 11 Development Cookbook - Second Edition](#) Holger Brunn,Alexandre Fayolle,2018-01-22 Create fast and efficient server side applications using the latest features of Odoo v11 Key Features Get the most up to date guide on Odoo 11 to create custom and reusable modules Interconnect your application with other systems by implementing web APIs Understand the mechanisms powering the Odoo framework to build robust enterprises Book Description Odoo is a full featured open source ERP with a focus on extensibility The flexibility and sustainability of open source are also a key selling point of Odoo It is built on a powerful framework for rapid application development both for back end applications and front end websites Version 11 offers better usability and speed a new design as compared to the current Odoo Enterprise version and a mobile interface The book starts by covering Odoo installation and administration and Odoo Server deployment It then delves into the implementation of Odoo modules the different inheritance models available in Odoo You will then learn how to define access rules for your data how to make your application available in different languages how to expose your data

models to end users on the back end and on the front end and how to create beautiful PDF versions of your data By the end of the book you will have a thorough knowledge of Odoo and will be able to build effective applications by applying Odoo development best practices What you will learn Install and manage Odoo environments and instances Use models to define your application s data structures Add business logic to your applications Add automated tests and learn how to debug Odoo apps Learn about the access security model and internationalization features Customize websites built with Odoo by writing your own templates and providing new snippets for use in the website builder Extend the web client with new widgets and make RPC calls to the server Who this book is for If you re a Python developer and want to develop highly efficient business applications with the latest Odoo framework or if you just want a hands on problem solution book for all your Odoo Development related issues this book is for you Some experience with the JavaScript programming language and web development is required to get the most out of this book

**Odoo 12 Development Cookbook - Third Edition** Parth Gajjar,Alexandre Fayolle,Holger Brunn,Daniel Reis,2019 Build customized solutions for your business using the latest features of Odoo 12 and Python Key Features Get up to speed with Odoo 12 to create custom and reusable modules Interconnect your application with other systems by implementing web APIs Understand the mechanisms powering the Odoo framework and Odoo sh to build robust enterprises Book Description Odoo is a powerful framework known for rapid application development Its latest release Odoo 12 introduces tons of new features With this book you ll learn how to develop powerful Odoo applications from scratch using all the latest features This Odoo cookbook starts by covering Odoo installation and deployment on the server Next you ll explore the Odoo framework with real world examples You ll create a new Odoo module from the ground up and progress to advanced framework concepts You ll also learn how to modify existing applications including Point of Sale POS This book is not just limited to backend development the advanced JavaScript recipes for creating new views and widgets will help you build beautiful UI elements As you move forward you ll gain insights into website development and become a quality Odoo developer by studying performance optimization debugging and automated tests Finally you ll learn the latest concepts like multi website In App Purchasing IAP Odoo sh and IoT Box By the end of the book you ll have all the knowledge you need to build powerful Odoo applications The development best practices used in this book will undoubtedly come handy when you are working with the Odoo framework What you will learn Develop a module in the Odoo framework and modify the existing flow of any application Build dynamic websites with Odoo CMS Create and modify backend JavaScript components in Odoo and POS Connect and access any object in Odoo via Remote Procedure Calls RPC Illustrate the different tools available in Odoo to implement business processes for your records Implement in app purchase services Manage deploy and test an Odoo instance with the PaaS Odoo sh Configure IoT Box to add and upgrade Point of Sale POS hardware Who this book is for If you re a Python developer who wants to develop highly efficient business applications with the latest Odoo framework or if you just want a solution guide for all your Odoo

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inventory stock valuations Manage projects and project forecasting via grid and Gantt views Implement Human Resource apps and manage the employee appraisal process Manage Workcenters and the product lifecycle Track worker activity with tablets and launch new changes in production In Detail Odoo is a Python based ERP system and is completely open source Odoo is a comprehensive suite of business applications offering a wealth of functionalities that can be deployed to meet your business needs This book will help you manage the different functionalities of your business and optimize it You will learn in detail about the various facets of the business process such as sales accounting purchases manufacturing and inventory We will cover each of these topics in detail and learn how Odoo handles all these tasks with much ease With its modular approach you will be able to build customized solutions take advantage of the Odoo 10 system in your organization and master basic administration We will cover modules and applications in Odoo that will help optimize quality checks You will also be able to customize major reporting functions for your teams and set up forms and documents for sales purchase inventory and so on By the end of the book you will be able to use the major functionalities of Odoo 10 and fully implement them into your business Style and approach The book follows a recipe based format the recipes are filled with real world use cases and various functional topics

**Odoo 10 Implementation Cookbook** Mantavya Gajjar, 2017-10-06 Comprehensive tasks covering Odoo 10 in the right way About This Book Reduce implementation costs and improve major benchmarks relating to storage space and speed Implement the approval hierarchy and user and access rights configure the company and language and so on Cover all platforms such as mobile web content management and e commerce Who This Book Is For This book is targeted towards Odoo functional users and project managers who would like to use it for their organization No expertise in Odoo is required What You Will Learn Learn the modern way of doing sales and managing sales contracts Create and configure your products and manage your sales quotations Set up an online shop and start selling online with Odoo eCommerce Manage multi currency transactions and create a deferred revenue plan and link it with products Administer vendors and products and request quotations confirm orders and get them delivered Manage quality control in the warehouse and manual and real time inventory stock valuations Manage projects and project forecasting via grid and Gantt views Implement Human Resource apps and manage the employee appraisal process Manage Workcenters and the product lifecycle Track worker activity with tablets and launch new changes in production In Detail Odoo is a Python based ERP system and is completely open source Odoo is a comprehensive suite of business applications offering a wealth of functionalities that can be deployed to meet your business needs This book will help you manage the different functionalities of your business and optimize it You will learn in detail about the various facets of the business process such as sales accounting purchases manufacturing and inventory We will cover each of these topics in detail and learn how Odoo handles all these tasks with much ease With its modular approach you will be able to build customized solutions take advantage of the Odoo 10 system in your organization and master basic administration We will cover modules and applications in Odoo

that will help optimize quality checks You will also be able to customize major reporting functions for your teams and set up forms and documents for sales purchase inventory and so on By the end of the book you will be able to use the major functionalities of Odoo 10 and fully implement them into your business Style and approach The book follows a recipe based format the recipes are filled with real world use cases and various functional topics

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