

Chapter 1: Getting Started with Odoo Development




Odoo is up and running!

Create a new database by filling out the form, you'll be able to install your first app in a minute.

Database Name

Email

Password

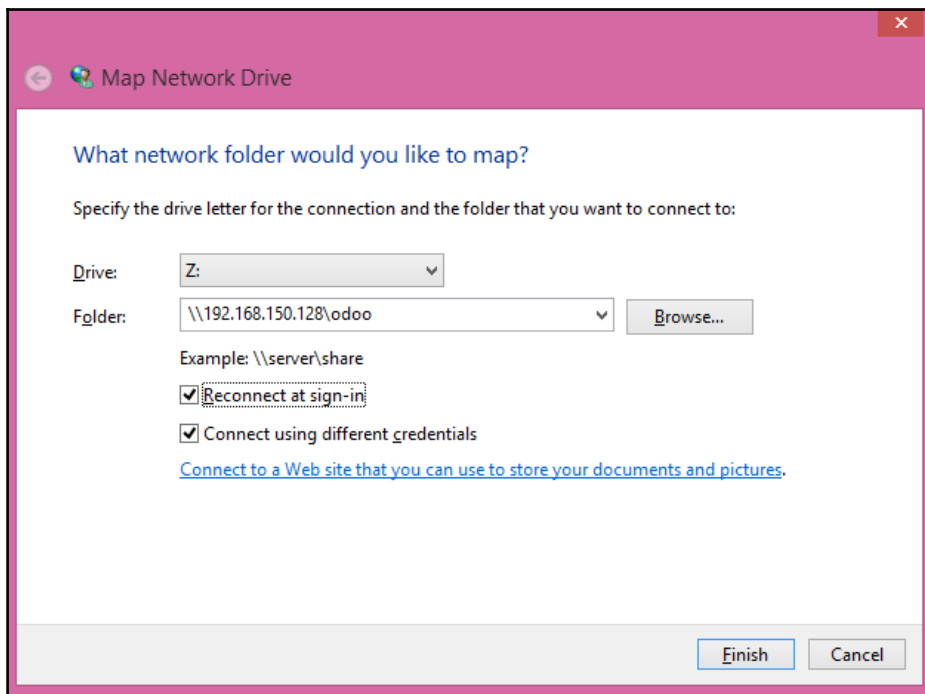
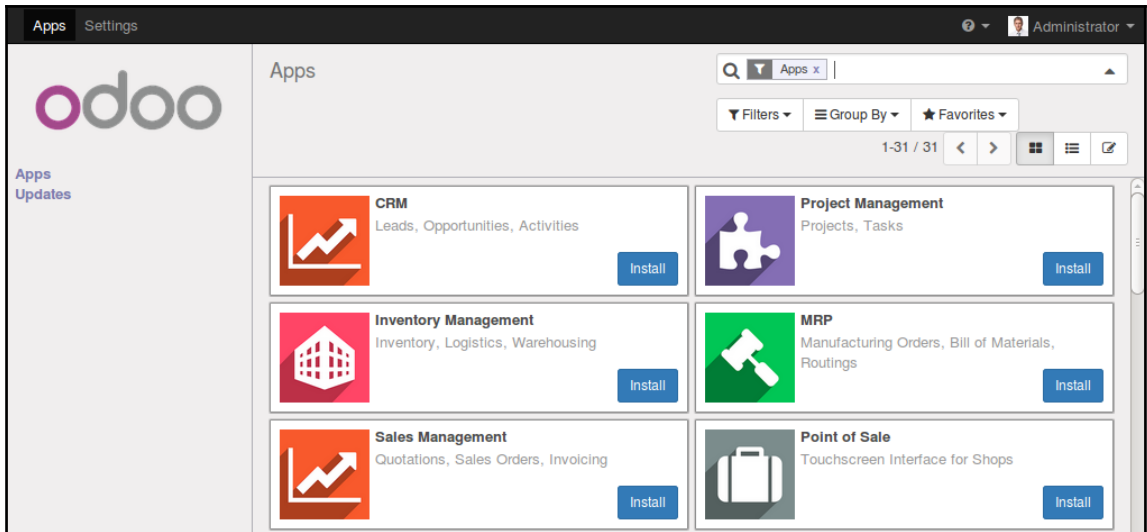
Language

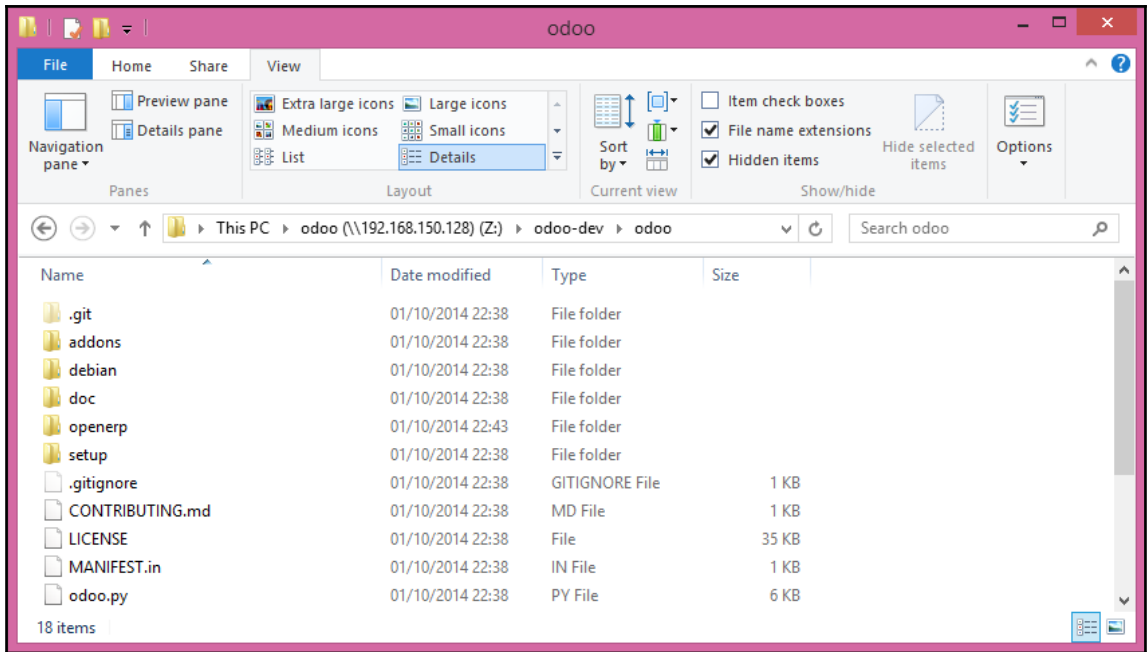
Country

Load demonstration data (Check this box to evaluate Odoo)

Create database

or restore a database








4%

Implementation

Follow these implementation guides to get the most out of Odoo.

7% **Project** → 

0% **CRM** → 

6% **Website** → 

Need more help? [Browse the documentation.](#)



Share the Love

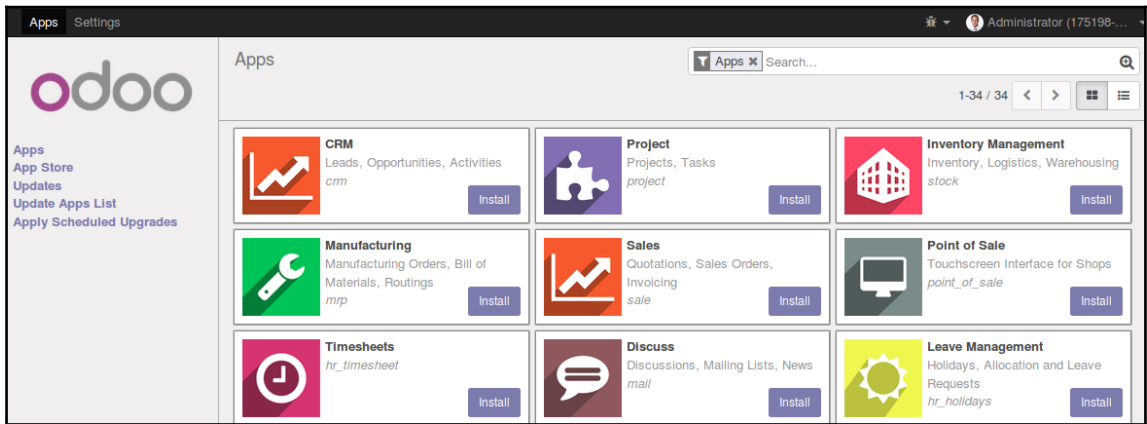
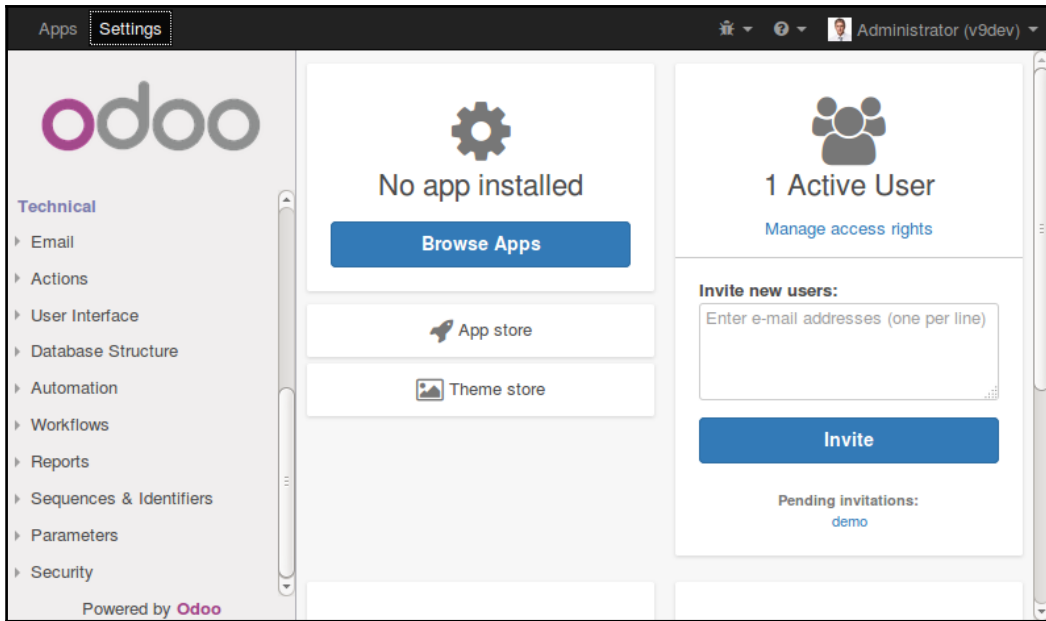
Help us spread the word: Share Odoo's awesomeness with your friends!



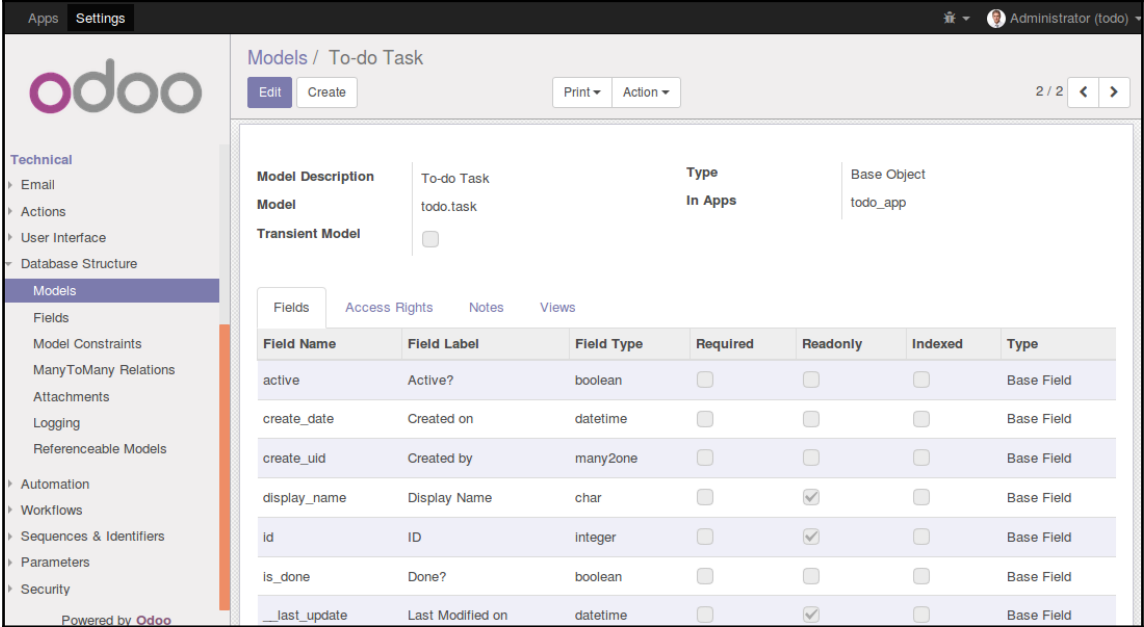
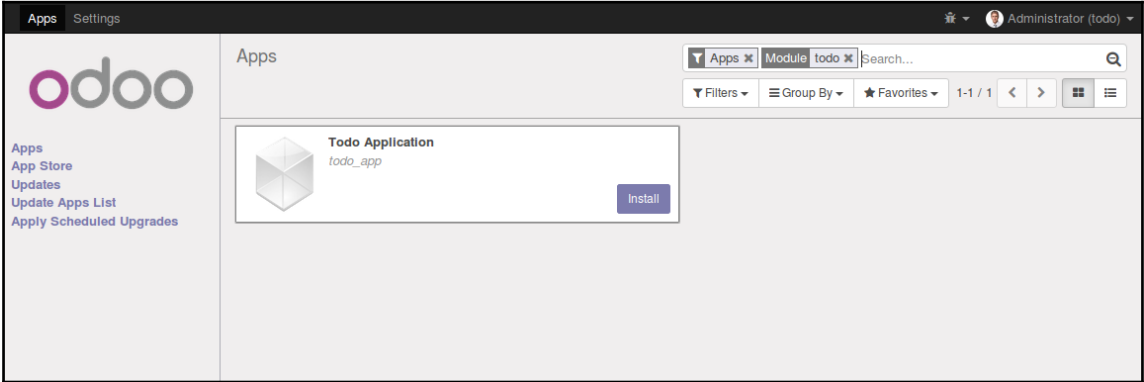
Odoo 10.0 (Community Edition)

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[Activate the developer mode](#)
[Activate the developer mode](#)
(with assets)



Chapter 2: Building Your First Odoo Application



Todos Apps Settings Administrator (todo)

To-do Task / New

Save Discard

Description Done?

Active?

Todos Apps Settings Administrator (todo)

Access Controls List

Search...

Filters Group By Favorites 1-80 / 126

<input type="checkbox"/>	Name	Object	Group	Read Access	Write Access	Create Access	Delete Access
<input type="checkbox"/>	ir_attachment all	ir.attachment		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	ir_attachment group_user	ir.attachment	Employees / Employee	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	ir_cron group_cron	ir.cron	Administration / Settings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	ir_exports group_system	ir.exports	Employees / Employee	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	ir_exports_line group_system	ir.exports.line	Employees / Employee	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	ir_model group_erp_manager	Models	Administration / Access Rights	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	ir_model_constraint group_erp_manager	ir.model.constraint	Administration / Access Rights	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Powered by Odoo

Chapter 3: Inheritance – Extending Existing Applications

The screenshot shows a web application interface with a dark top navigation bar containing 'Discuss', 'My To-Do', 'Apps', and 'Settings'. On the right of the navigation bar are icons for notifications (@ 10), a search icon, and a user profile for 'Administrator (todo)'. Below the navigation bar is a header for the current task: 'To-do Task / Buy bread'. This header includes an 'Edit' button, a 'Create' button, an 'Action' dropdown menu, and a pagination indicator '1 / 2' with left and right arrow buttons.

The main content area features a large white card with a light gray border. The card contains a table with the following data:

Description	Buy bread	Deadline	
Responsible	Demo User	Done?	<input type="checkbox"/>

Below the card is a footer area with a 'New message' button, a 'Log an internal note' link, and a 'Following' status with a bell icon and a '2' user count. A horizontal line separates this from a message section titled 'Today'. The message is from 'YourCompany, Administrator - now' and says 'Hello!'.

Chapter 4: Module Data

The screenshot shows the Odoo interface for the 'External Identifiers' view. The left sidebar contains a navigation menu with categories like 'Technical', 'Email', 'Actions', 'User Interface', 'Database Structure', 'Automation', 'Workflows', 'Reports', 'Sequences & Identifiers', and 'Parameters'. The 'External Identifiers' sub-menu is selected. The main area displays a table with columns: Complete ID, Display Name, Model Name, and Record ID. The table lists 13 entries for the 'todo_app' module. At the top, there are buttons for 'Create' and 'Import', a search bar with 'Module: todo_app x', and filters for 'Filters', 'Group By', and 'Favorites'. The page number '1-19 of 19' is shown in the top right.

Complete ID	Display Name	Model Name	Record ID
<input type="checkbox"/> todo_app.action_todo_task	To-do Task	ir.actions.act_window	72
<input type="checkbox"/> todo_app.model_todo_task	To-do task	ir.model	97
<input type="checkbox"/> todo_app.access_todo_task_group_user	todo.task.user	ir.model.access	108
<input type="checkbox"/> todo_app.field_todo_task_active	Active?	ir.model.fields	1,252
<input type="checkbox"/> todo_app.field_todo_task_create_date	Created on	ir.model.fields	1,253
<input type="checkbox"/> todo_app.field_todo_task_create_uid	Created by	ir.model.fields	1,245
<input type="checkbox"/> todo_app.field_todo_task_display_name	Display Name	ir.model.fields	1,246
<input type="checkbox"/> todo_app.field_todo_task_id	ID	ir.model.fields	1,254
<input type="checkbox"/> todo_app.field_todo_task_is_done	Done?	ir.model.fields	1,249
<input type="checkbox"/> todo_app.field_todo_task__last_update	Last Modified on	ir.model.fields	1,248
<input type="checkbox"/> todo_app.field_todo_task_name	Description	ir.model.fields	1,247

The screenshot shows the 'External Identifiers / To-do Task' record view. At the top, there are buttons for 'Edit' and 'Create', and an 'Action' dropdown menu. The page number '1 / 19' and navigation icons are visible. The main area displays a table with fields: Complete ID, Module, External Identifier, Display Name, Model Name, Record ID, Non Updatable, Update Date, and Init Date.

Complete ID	todo_app.action_todo_task	Display Name	To-do Task
Module	todo_app	Model Name	ir.actions.act_window
External Identifier	action_todo_task	Record ID	72
Non Updatable	<input type="checkbox"/>		
Update Date	02/15/2016 22:39:41		
Init Date	02/15/2016 22:39:41		

Metadata (res.users) ✕

ID:	4
XML ID:	base.user_demo
No Update:	true
Creation User:	Administrator
Creation Date:	02/15/2016 22:38:35
Latest Modification by:	Administrator
Latest Modification Date:	02/15/2016 22:38:35

Ok

To-do Task

Search: 1-3 of 3

Create Import Action Filters Group By Favorites

<input type="checkbox"/> Description		Done?
<input type="checkbox"/> Reinstall Odoo		<input type="checkbox"/>
<input checked="" type="checkbox"/> Install Odoo	Administrator	<input type="checkbox"/>
<input checked="" type="checkbox"/> Create dev database	Administrator	<input type="checkbox"/>

Export
Delete

Export Data

This wizard will export all data that matches the current search criteria to a CSV file. You can export all data or only the fields that can be reimported after modification.

Please pay attention that all records matching your search filter will be exported. Not only the selected ids.

Export Type : Import-Compatible Export Export all Data Export Formats : CSV Excel

Available fields

- Active?
- Created by
- Created on
- Deadline
- Description
- Done?
- + Followers
- Last Message Date
- Last Updated by
- Last Updated on
- + Messages
- Responsible

Fields to export

- Description
- Responsible
- Deadline
- Done?

Add

Remove

Remove All

Move Up

Move Down

[Save fields list](#)

Export To File

Close

Discuss My To-Do Apps Settings
@ 10
Administrator (todo)

To-do Task / Import a File

Validate

Import

Cancel

Select a CSV or Excel file to import. [Help](#)

Load File

Reload File

Options...

Map your columns to import

Track history during import

The first row contains the label of the column Show all fields for completion (advanced)

id	name	user_id/id	date_deadline	is_done
External ID	Description		Deadline	Done?
todo_user.todo_task_a	Install Odoo	base.user_root	2015-01-30	False
__export__todo_task_9	Create my first module	base.user_root		False

Chapter 5: Models – Structuring the Application Data

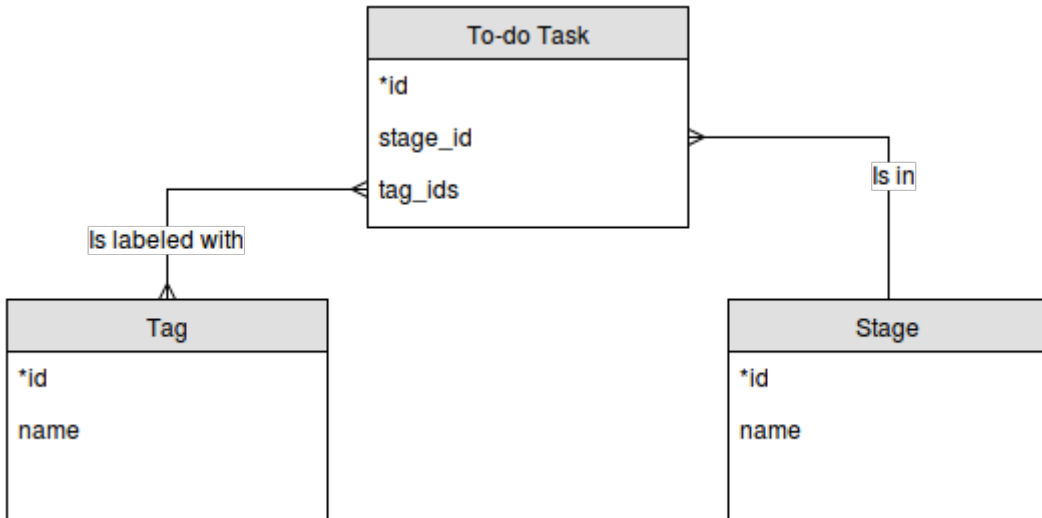
The screenshot shows the Odoo Models configuration interface for the 'To-do task' model. The left sidebar contains a navigation menu with categories like 'Technical', 'Automation', and 'Workflows'. The main content area displays the model's configuration, including its name, type, and a list of fields.

Model Description
 Model: todo.task
 Transient Model:

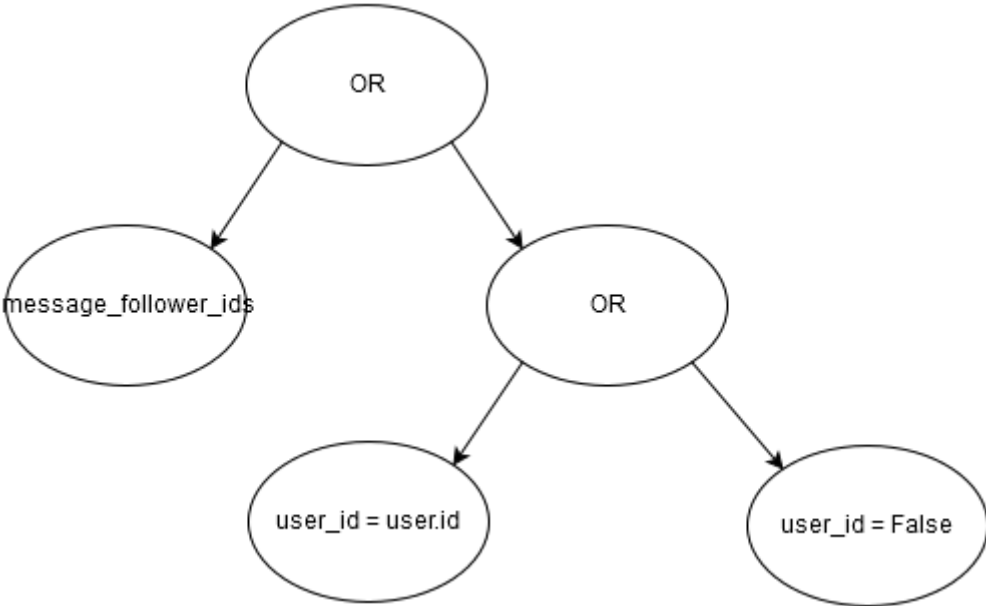
Type
 Base Object: Base Object
 In Apps: todo_app, todo_user

Fields (1-22 of 22)

Field Name	Field Label	Field Type	Required	Readonly	Indexed	Type
active	Active?	boolean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Base Field
create_date	Created on	datetime	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Base Field
create_uid	Created by	many2one	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Base Field
date_deadline	Deadline	date	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Base Field
display_name	Display Name	char	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Base Field
id	ID	integer	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Base Field



Chapter 6: Views – Designing the User Interface



Chapter 7: ORM Application Logic – Supporting Business Processes

To-Do Tasks Wizard ✕

Count Get All

Description	Responsible	Deadline	
Create dev database!	Administrator		
Install Odoo	Administrator	01/30/2015	
Add an item			

Set Responsible

Set Deadline

Mass Update Cancel

Chapter 8: Writing Tests and Debugging Your Code

```
PuDB 2016.2 - ?:help n:next s:step into b:breakpoint !:python command line
37
38 @api.multi
39 def _reopen_form(self):
40     self.ensure_one()
41     action = {
42         'type': 'ir.actions.act_window',
43         'res_model': self._name,
44         'res_id': self.id,
45         'view_type': 'form',
46         'view_mode': 'form',
47         'target': 'new',
48     }
49     return action
50
51 @api.multi
52 def do_populate_tasks(self):
53     import pdb; pdb.set_trace()
> 54 self.ensure_one()
55 Task = self.env['todo.task']
56 open_tasks = Task.search([('is_done', '=')
57 self.task_ids = open_tasks
58 # reopen wizard form on same wizard record
59 return self._reopen_form()
Command line: [Ctrl-X]
>>> < Clear >
```

Variables:

```
pdb: <module 'pdb' from '
/home/daniel.local/lib/p
ython2.7/site-packages/pu
db/__init__.pyc'>
self: todo.wizard(14,)
```

Stack:

```
>> do_populate_tasks [todo.
call_kw_multi api.py:672
call_kw api.py:681
_call_kw [DataSet] main.
call_button [DataSet] ma
response_wrap http.py:56
_call__ [EndPoint] http
checked_call http.py:324
wrapper_model.py:119
```

Breakpoints:

Chapter 9: QWeb and Kanban Views

















Contacts

Search...

Create

1-40 / 45

 ASUSTeK Taipei, Taiwan asustek@yourcompany.example.com  3  3	 ASUSTeK, Arthur Gomez Software Developer at ASUSTeK Taipei, Taiwan	 ASUSTeK, James Miller Electrical Supervisor at ASUSTeK Taipei, Taiwan
 ASUSTeK, Joseph Walters Store Manager at ASUSTeK Taipei, Taiwan joseph.walters@asustek.com	 ASUSTeK, Julia Rivero Technical Director at ASUSTeK Taipei, Taiwan	 ASUSTeK, Peter Mitchell Store Manager at ASUSTeK Taipei, Taiwan
 ASUSTeK, Tang Tsui Service Manager at ASUSTeK Taipei, Taiwan tang@asustek.com	 Administrator, Pieter Parter's Farm YourCompany, Administrator Scranton, United States	 Agrolait Wavre, Belgium agrolait@yourcompany.example.com  4  1  2





Your Pipeline Search...

☰ ☰ ☰ ☰ ☰

New +	Qualified +	Proposition +	Won +
<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Interest in your Graphic Design Project \$24,000.00, Agrolait ★ ★ ☆ ● </p> </div> <div style="border: 1px solid #ccc; padding: 5px;"> <p>Plan to buy 60 keyboards and mouses \$40,000.00 ★ ☆ ☆ ● </p> </div>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Need a new design for my website \$3,800.00, Delta PC ★ ★ ☆ ● </p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Pricing Information of Services \$1,000.00 ★ ☆ ☆ 🗨️ 1 ● </p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Trainee's training plan in your Organization \$35,000.00, Delta PC ★ ☆ ☆ 🗨️ 2 ● </p> </div> <div style="border: 1px solid #ccc; padding: 5px;"> <p>Plan to buy RedHat servers \$25,000.00, Agrolait ★ ☆ ☆ 🗨️ 4 ● </p> </div>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Would appreciate more information about your products \$11,000.00, Agrolait ★ ★ ☆ ● </p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Need to customize the solution \$4,500.00 ★ ★ ☆ ● </p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>"Resource Planning" project development \$9,000.00, Delta PC ★ ★ ☆ ● </p> </div> <div style="border: 1px solid #ccc; padding: 5px;"> <p>Interest in your customizable Pcs \$15,000.00, Campocamp ★ ☆ ☆ ● </p> </div>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Interest in your products \$2,000.00, Agrolait ★ ★ ☆ ● </p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Interest in your Partnership Contract \$19,800.00, China Export ★ ★ ☆ ● </p> </div> <div style="border: 1px solid #ccc; padding: 5px;"> <p>Want to subscribe to your online solution \$2,000.00, Think Big Systems ☆ ☆ ☆ ● </p> </div>

ADD NEW COLUMN

Chapter 10: Creating QWeb Reports

What	Who	When	Where	Watchers
Install Odoo	Administrator	01/30/2015	YourCompany 1725 Slough Ave. Scranton PA 18540 United States +1 555 123 8069	 Administrator  Demo User
Create dev database	Administrator		YourCompany 1725 Slough Ave. Scranton PA 18540 United States +1 555 123 8069	 Administrator
Reinstall Odoo	Administrator	01/30/2015	YourCompany 1725 Slough Ave. Scranton PA 18540 United States +1 555 123 8069	 Administrator

Phone: +1 555 123 8069 • Email: info@yourcompany.example.com • Website: http://www.example.com

Page: /

Chapter 12: External API – Integrating with Other Systems

