

Xmi2Odoo

From an UML Map to an Odoo Module in no time!

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**MOLDEO
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What is it for?

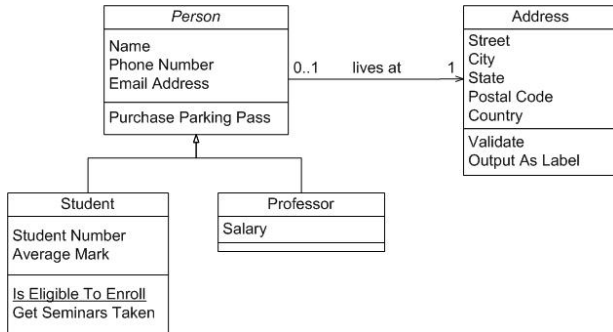
This module allows the user to build an UML Map, with the system's architectural blueprint, including Models, Fields, Workflows, User Groups and Menus, to generate the Odoo modules automatically.

1. Build an UML Map and convert it into Odoo Modules!
2. Fast and efficient development
3. Documentation within the project
4. Graphical coding!



What is it?

1. Script to convert an UML Map into Odo Modules
 - a. Create/Modify Models, User Groups, Workflows, Menus, ...



Xmi2Odo

odoo
Modules



How to use it?

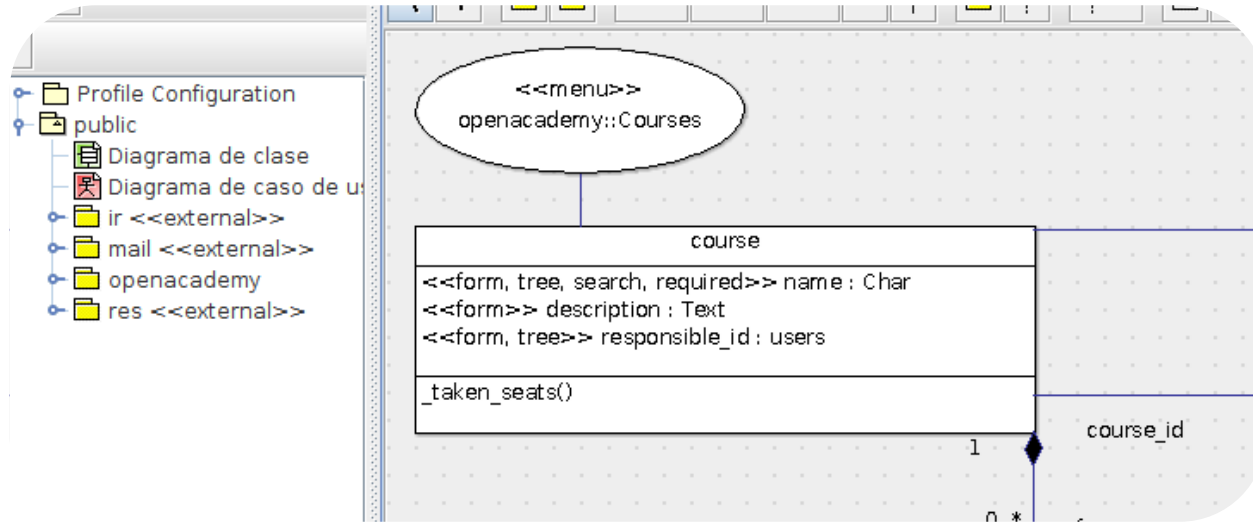
```
gruzafa@gonza-pc:~$ pip install xmi2odoo
```

1

- Install Xmi2Odo → "pip install xmi2odoo"



How to use it?

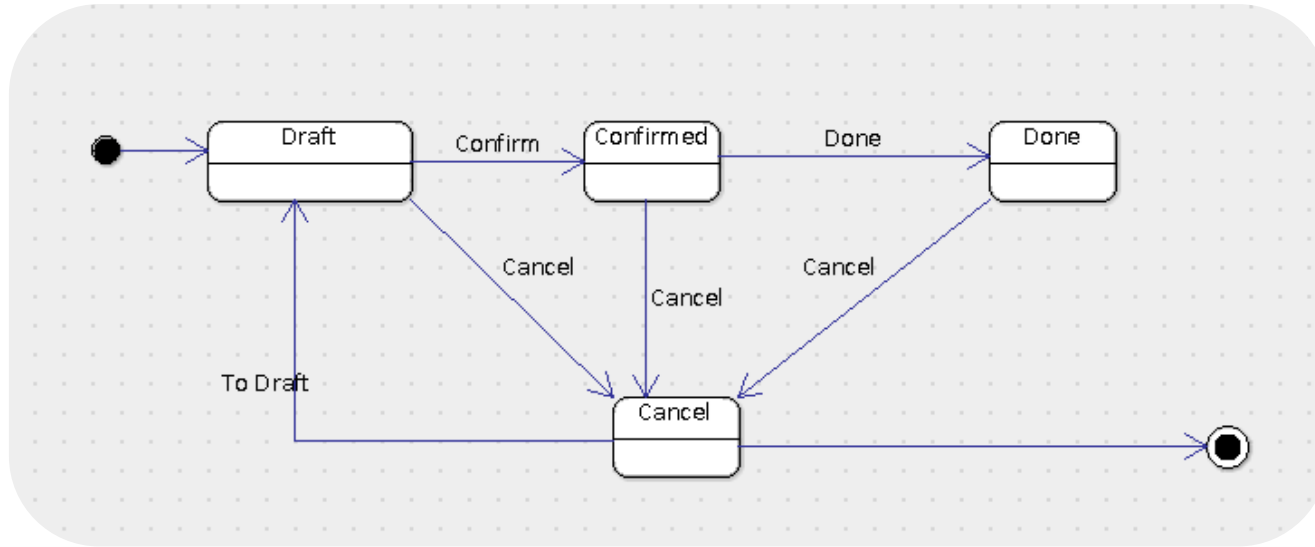


2

- On ArgoUML start an UML Map
You can start with an existing template!



How to use it?



3

- Define Models, Fields, Relations, Groups, Workflows, ... within the Map



How to use it?

```
zodoo_example$ xmi2odoo -r -i design/xmi2odoo_example.uml -v 2 -V 8.0 -t addons
```

4

- Run Xmi2Odoo Script to generate the Odoo Modules!

Important! Modifications made to the module after the automatic build will be lost with the re-generation process



How to use it?

```
constraints = [
]

@api.one
@api.depends('seats', 'attendee_ids')
def _taken_seats(self):
    if not self.seats:
        self.taken_seats = 0.0
    else:
        self.taken_seats = 100.0 * len(self.attendee_ids) / self

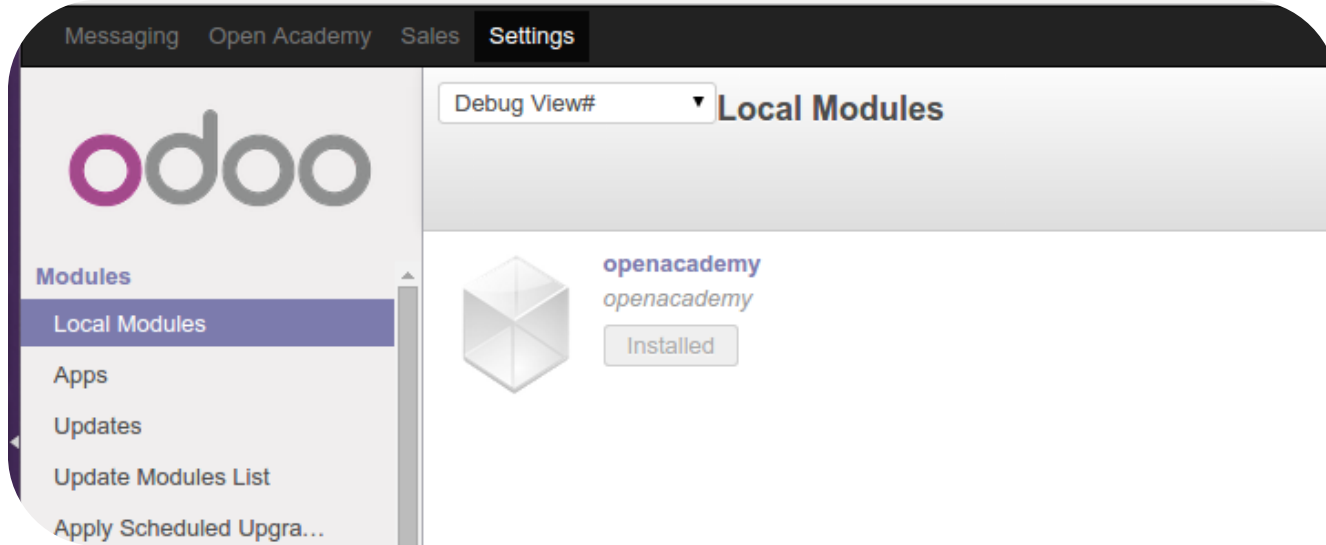
@api.multi
def action_cancel_draft(self):
```

5

- You can use GIT REBASE tool to develop in an iterative way, or use other modules to extend the generated modules.



How to use it?



6

- Done! Now you can install the modules and adjust anything you need
- You can always apply adjustments and run the script again as many times as you want!



Demonstrations

- UML design
- Build module on v8.0
- Build module on v7.0
- Add new field and rebase on v8.0



Advantages

- 1. Efficiency:** With Xmi2Odo developers can build a module to create many complex models in only a fraction of the time needed to do it by hand coding. -
- 2. Compatibility:** Facing a change in the Odo version, you just need to run Xmi2Odo on your UML to get the module for the new version. -
- 3. Documentation:** All the development is documented in a UML map, allowing to understand the module and to modify it easily to generate a new version of the module.
- 4. Improve Team Work:** Functional Analysts describe model functionalities in UML Maps and Programmers implement the logic of the module

Improvement opportunities

- No need for using git rebase
- Another tool rather than ArgoUML
- Others...



Xmi2Odo - From a UML Map to an Odo Module in no time!

Useful Links!

Project: <https://github.com/ctmil/xmi2odoo>

Example repo: https://github.com/ingadhoc/xmi2odoo_example

Twitter: [@jjscarafia](https://twitter.com/jjscarafia) and [@CSRocha](https://twitter.com/CSRocha)

Thank you!

<https://github.com/ctmil/xmi2odoo>

www.adhoc.com.ar

www.moldeointeractive.com.ar