



# Odoo Training

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## Overview

This is a sample case for Odoo technical training. In this use case you will develop an appointment system for Doctors and patients for appointments management.

## Stakeholders

1. Doctors
2. Patients

## Models (Classes)

- Doctor
- Patient
- Department
- Appointment
- Treatment

### - Doctor

*Fields:*

- First Name (Char)
- Last Name (Char)
- Full Name (Char with compute)
- Date of Birth
- Age (Integer and readonly)
- Phone (Char)
- Email (Char)
- Department (Many2one)
- Shift start (Float with time widget)
- Shift end (Float with time widget)

*Note: Use constraint to not duplicate email. Auto calculate age when user enter date of birth using onchange decorator.*

### - Patient

*Fields:*

- Patient ID (Char and auto generate)
- First Name (Char)
- Last Name (Char)
- Full Name (Char with compute)
- Date of Birth (Date)
- Age (Integer and readonly)

- Address Text)
- Phone (Char)
- Email (Char)
- National ID No (Char)

*Note: Use constraint to not duplicate National ID No. Also use Odoo's ir.sequence to auto generate new code for Patient ID at the time of creation. Auto calculate age when user enter date of birth using onchange decorator*

## - Department

*Fields:*

- Name (Char)
- Code (Char)

*Note: Use constraint to not duplicate Code and set code as rec name.*

## - Appointment

*Fields:*

- Appointment Date time (Datetime)
- Code (Char)
- Doctor (Many2many)
- Patient (Many2one)
- Stage (Selection with option draft, in-progress, done, cancel)
- Treatment (One2many)

*Note: Use Odoo's ir.sequence to auto generate new code for Patient ID at the time of creation and use tree attribute for Treatment one2many.*

## - Treatment

*Fields:*

- Name (Char)
- Is Done (Boolean)

Create form views, tree views and menus for all above mentioned models and use Odoo tracking as well.

## Functionalities

### I. Appointment wizard:

Create a menu first. Then from that menu you will open a wizard that will ask for the patient's name and doctors names. With the create appointment button on wizard you will create an appointment in draft stage for the patients with mentioned doctors. Note doctors could be multiple.

### II. States Change Button

Create following buttons in header of appointment form view.

- Set to In-Progress. This button will change the stage to In-Progress. (Should be only visible at draft stage)
- Set to Done. This button will change the stage to Done. (Should be only visible at In-Progress Stage)
- Set to Draft. This button will change the stage to Draft. (Should be only visible at Done or In-Progress Stage)
- Set to Cancel (Should be visible on all stages except Cancel)

### III. Attributes:

Make all fields readonly at Done and Cancel stages of appointment

### IV. Validations:

Don't let user delete appointment if it is in Done stage.