

# Assignment 1 (Odoo Setup and Installation)

## Software Construction and Development (SE-3001)

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# Part 1: Installation of Odoo

## Installation guide:

### Step 1: Research Hardware & Software Requirements

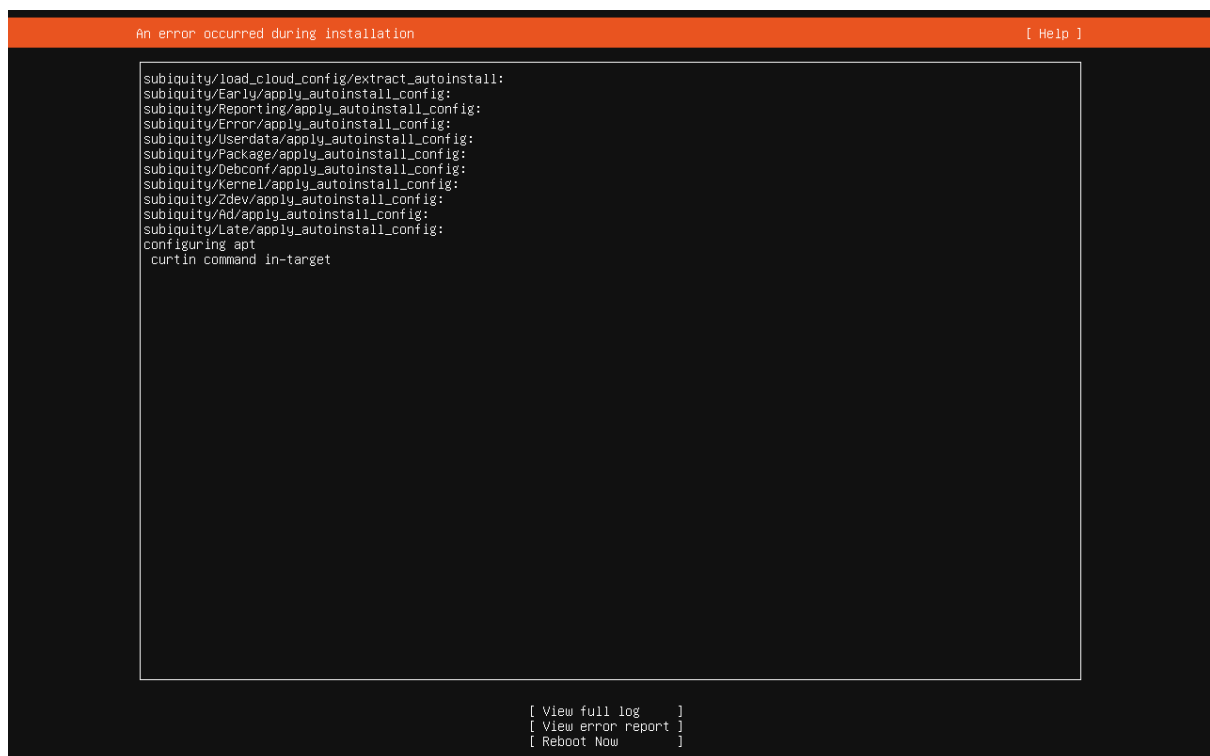
Before installing Odoo, document the following requirements:

#### Hardware Requirements

- **CPU:** Minimum 2-core processor (4-core recommended)
- **RAM:** 2GB minimum (4GB+ recommended)
- **Storage:** At least 20GB of free disk space
- **Network:** Internet connection for downloading dependencies

#### Software Requirements

- **Operating System:** Ubuntu Server 20.04 or later
- **Dependencies:** Python 3, PostgreSQL, Node.js, wkhtmltopdf, and other required libraries.







```

GNU nano 7.2 /etc/odoo.conf
[options]
; This is the password that allows database operations:
; admin_passwd = admin
db_host = localhost
db_port = 5000
db_user = odoo
db_password = 654321
; addons_path = /usr/lib/python3/dist-packages/odoo/addons
default_productivity_apps = True
logfile = /var/log/odoo/odoo.log

(venv) root@zaid-hp:/opt/odoo/odoo#
og

```

### 3. Create log directory and set permissions:

4. `sudo mkdir /var/log/odoo`
5. `sudo chown odoo:odoo /var/log/odoo`

## Step 6: Creating a systemd service file for Odoo

`sudo nano /etc/systemd/system/odoo18.service`

Write the following:

```

GNU nano 7.2 /etc/systemd/system/odoo.service *
[Unit]
Description=Odoo
After=network.target postgresql.service
Documentation=http://www.odoo.com

[Service]
Type=simple
User=odoo
Group=odoo
ExecStart=/opt/odoo/venv/bin/python3.12 /opt/odoo/odoo-bin -c /etc/odoo.conf
Restart=always
KillMode=mixed
TimeoutStopSec=20

[Install]
WantedBy=multi-user.target

File Name to Write: /etc/systemd/system/odoo.service
^G Help          M-D DOS Format  M-A Append      M-B Backup File
^C Cancel        M-M Mac Format  M-P Prepend     ^O Browse

```

## Step 6: Start Odoo

1. Start Odoo manually:
2. `sudo -u odoo /opt/odoo/odoo-bin -c /etc/odoo.conf`
3. Open a web browser and go to:
4. `http://localhost:8069`

If Odoo opens, the installation is successful.

```
• ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/usr/lib/systemd/system/ssh.service; enabled; preset: enabled)
   Active: active (running) since Fri 2025-09-19 13:54:47 UTC; 6min ago
   TriggeredBy: • ssh.socket
   Docs: man:sshd(8)
         man:sshd_config(5)
   Main PID: 867 (sshd)
     Tasks: 3 (limit: 4194)
    Memory: 4.2M (peak: 5.0M)
       CPU: 204ms
   CGroup: /system.slice/ssh.service
           └─ 867 "sshd: /usr/sbin/sshd -D [listener] 1 of 10-100 startups"
             └─ 1075 "sshd: burhan [priv]"
               └─ 1076 "sshd: burhan [net]"

Sep 19 13:57:13 server sshd[1069]: PAM 1 more authentication failure; logname= uid=0 euid=0 tty=ssh ruser= rhost=10.0.2.
Sep 19 13:58:07 server sshd[1071]: pam_unix(sshd:auth): authentication failure; logname= uid=0 euid=0 tty=ssh ruser= rhc
Sep 19 13:58:09 server sshd[1071]: Failed password for burhan from 10.0.2.2 port 64939 ssh2
Sep 19 13:58:27 server sshd[1071]: Failed password for burhan from 10.0.2.2 port 64939 ssh2
Sep 19 13:58:37 server sshd[1071]: Failed password for burhan from 10.0.2.2 port 64939 ssh2
Sep 19 13:58:38 server sshd[1071]: Connection reset by authenticating user burhan 10.0.2.2 port 64939 [preauth]
Sep 19 13:58:38 server sshd[1071]: PAM 2 more authentication failures; logname= uid=0 euid=0 tty=ssh ruser= rhost=10.0.2.
Sep 19 14:00:04 server sshd[1075]: pam_unix(sshd:auth): authentication failure; logname= uid=0 euid=0 tty=ssh ruser= rhc
Sep 19 14:00:06 server sshd[1075]: Failed password for burhan from 10.0.2.2 port 63751 ssh2
Sep 19 14:00:17 server sshd[1075]: Failed password for burhan from 10.0.2.2 port 63751 ssh2
burhan@server:~$
```



## Browser view:



Warning, your Odoo database manager is not protected. To secure it, we have generated the following master password for it:

**3qj6-bcqV-xq6d**

You can change it below but be sure to remember it, it will be asked for future operations on databases.

Master Password	<input type="text" value="3qj6-bcqV-xq6d"/>	
Database Name	<input type="text" value="SCD_A1"/>	
Email	<input type="text" value="syedburhan793gmail.com"/>	
Password	<input type="password" value="*****"/>	
Phone Number	<input type="text" value="03324278522"/>	
Language	<input type="text" value="English (US)"/>	▼
Country	<input type="text" value="Pakistan"/>	▼
Demo Data	<input type="checkbox"/>	

Your logo

Email

Password

Log in

[Manage Databases](#) | [Powered by Odoo](#)



Database creation error: database 'SCD\_A1' already exists!

SCD\_A1

Backup

Duplicate

Delete

Create Database

Restore Database

Set Master Password

---

## Problems and Troubleshooting:

### (i). VirtualBox Issues

- Black screen during Ubuntu installation
  - Restart the VM and try disabling 3D acceleration in the VM settings
  - Try with or without EFI boot enabled
- Installation failure of Ubuntu
  - Changing the mirror to include “in” instead of “pk”
- Network connectivity issues
  - Ensure your host has internet connectivity
  - Try switching between NAT and Bridged adapter in network settings
- "This kernel requires an x86-64 CPU" error
  - Ensure you've selected the 64-bit version of Ubuntu
  - Verify that hardware virtualization is enabled in your BIOS/UEFI
- Slow performance
  - Allocate more RAM and CPU cores to the VM if available
  - Ensure you're not running too many applications on the host simultaneously
- VirtualBox Guest Additions installation fails
  - Ensure you have the required packages: ``sudo apt install -y build-essential dkms linux-headers-$(uname -r)``
  - Try rebooting before installation

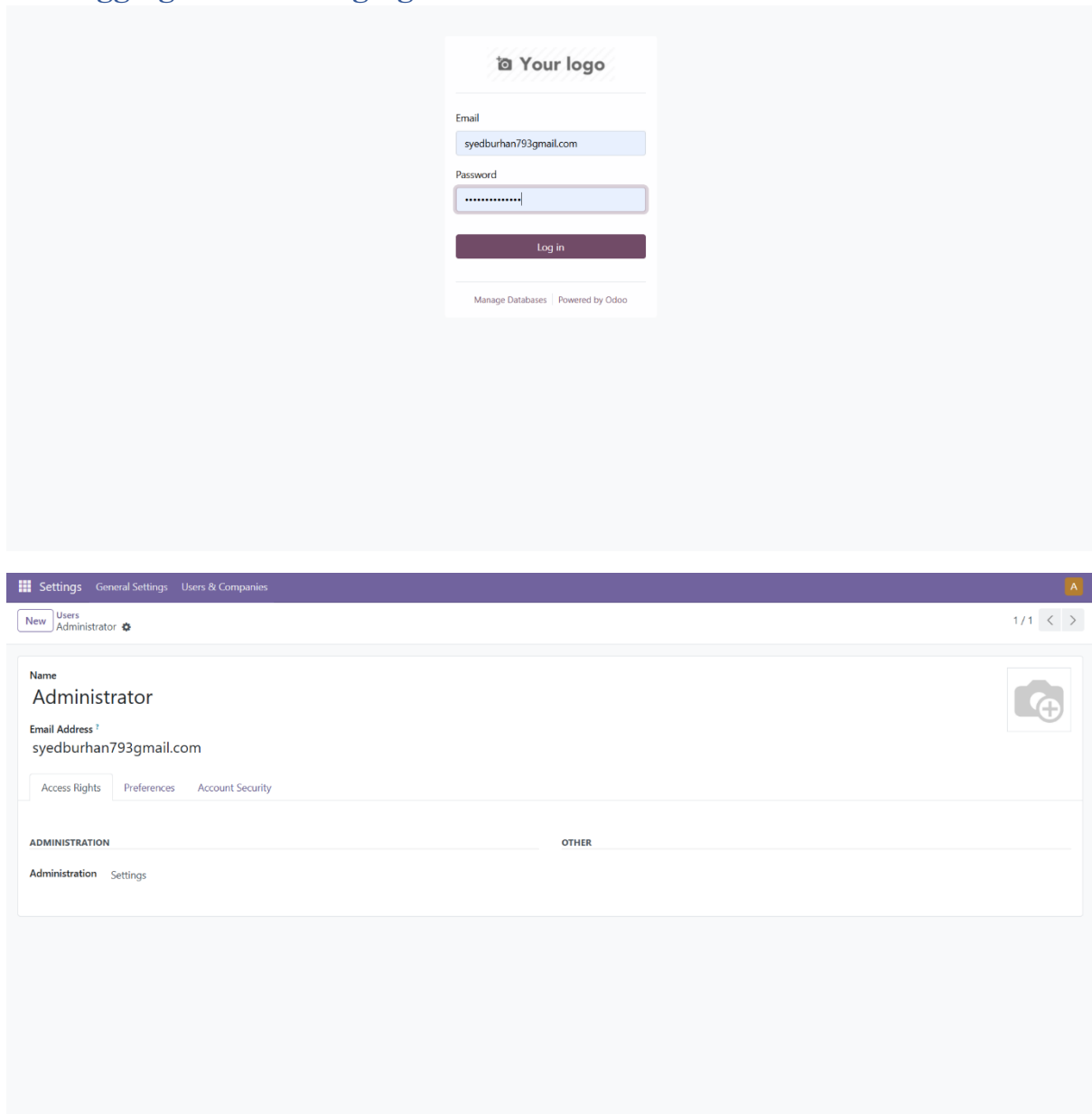
### (ii). Odoo Issues

- Service Won't Start
  - Check the Odoo log file:
  - `sudo tail -f /var/log/odoo18/odoo18.log`
- Database Connection Issues
  - Verify PostgreSQL is running:
  - `sudo systemctl status postgresql`
  - Ensure the odoo18 database user exists:
  - `sudo -u postgres psql -c "\du"`
- Permission Issues
  - Check ownership of directories:
  - `ls -la /opt/odoo18/`

- `ls -la /var/log/odoo18/`
- Fix permissions if needed:
  - `sudo chown -R odoo18:odoo18 /opt/odoo18/`
  - `sudo chown -R odoo18:odoo18 /var/log/odoo18/`

## Part 2: Initial Configuration of Odoo

### 2.1 Logging in and changing default user:



The image displays the Odoo login and user configuration interface. The top section shows a login form with fields for Email (syedburhan793gmail.com) and Password (masked with dots), a Log in button, and links for Manage Databases and Powered by Odoo. Below this is a user configuration page for the Administrator user. The page includes a header with navigation links (Settings, General Settings, Users & Companies) and a user selection dropdown (New Users, Administrator). The main content area shows the user's Name (Administrator), Email Address (syedburhan793gmail.com), and a profile picture placeholder. Below this are tabs for Access Rights, Preferences, and Account Security. The bottom section is divided into two columns: ADMINISTRATION and OTHER. The ADMINISTRATION column contains links for Administration and Settings.

**Log in Form:**

Your logo

Email  
syedburhan793gmail.com

Password  
\*\*\*\*\*

Log in

Manage Databases | Powered by Odoo

**User Configuration Page:**

Settings General Settings Users & Companies

New Users Administrator

1 / 1 < >

Name  
Administrator

Email Address <sup>?</sup>  
syedburhan793gmail.com

Access Rights Preferences Account Security

ADMINISTRATION OTHER

Administration Settings

## 2.2 Creating a new user with administrative privileges:

The screenshot shows the 'Users & Companies' settings page in Odoo. At the top, there's a navigation bar with 'Settings', 'General Settings', and 'Users & Companies'. Below it, a 'New' button is next to 'Users' and 'Administrator'. The main form is for creating a new user. It has a 'Name' field with 'Administrator' entered. Below it is an 'Email Address' field with 'syedburhan793gmail.com'. There are tabs for 'Access Rights', 'Preferences', and 'Account Security'. Below the form, there's a section for 'ADMINISTRATION' with a sub-section 'Administration' containing 'Settings'.

## 2.3 Exploring the Odoo dashboard:

The screenshot shows the Odoo dashboard. At the top, there's a navigation bar with 'Apps' and 'Apps'. Below it, there's a search bar and a '1-55 / 55' indicator. The dashboard is filled with various app tiles, each with an icon, a title, a brief description, and buttons for 'Activate', 'Learn More', and 'Upgrade'. The tiles are organized into a grid. On the left, there's a sidebar with 'APPS' and 'CATEGORIES' sections. The 'APPS' section lists 'All', 'Official Apps', and 'Industries'. The 'CATEGORIES' section lists 'All', 'Sales', 'Services', 'Accounting', 'Inventory', 'Manufacturing', 'Website', 'Marketing', 'Human Resources', 'Productivity', and 'Administration'.

## 2.4 Configuring basic settings (company information, currency, language, and timezone):

The screenshot shows the Odoo configuration settings page. At the top, there's a navigation bar with 'Settings', 'General Settings', and 'Users & Companies'. Below it, there's a 'Languages' section. A dialog box is open, titled 'Odoo', with a close button. The dialog contains the text: 'English (US) has been successfully installed. Users can choose their favorite language in their preferences.' Below the text are two buttons: 'Close' and 'Switch to English (US) & Close'.

Settings

General Settings

Users & Companies

New

Companies

My Company

1 / 1

Company Name

My Company

Your logo

General Information

Branches

Address

street 5

Street 2...

Lahore

State

ZIP

Pakistan

Phone

03324278522

Mobile

Email

Website

e.g. https://www.odoo.com

Color

Tax ID ?

Company ID ?

Currency

USD

Install Odoo

Settings

New

Users

Ali

Asia/Lamascus

Asia/Dhaka

Asia/Dili

Asia/Dubai

Asia/Dushanbe

Asia/Famagusta

Asia/Gaza

Asia/Harbin

Asia/Hebron

Asia/Ho\_Chi\_Minh

Asia/Hong\_Kong

Asia/Hovd

Asia/Trkutsk

Asia/Istanbul

Asia/Jakarta

Asia/Jayapura

Asia/Jerusalem

Asia/Kabul

Asia/Kamchatka

Asia/Karachi

Asia/Karachi

Name

Ali

Email Address

Burhan's

Access Rights

LOCALIZATION

Language ?

Asia/Karachi

Timezone ?

Asia/Karachi

Email Signature

--

Ali

Google Password Manager

New Tab

Your logo

## 2.5 Install additional modules or apps:

### Installing Restaurant module (Extension of Point of Sale):

Apps

1-55 / 55

Apps

APPS

- All
- Official Apps
- Industries

CATEGORIES

- All
- Sales 9
- Services 4
- Accounting 2
- Inventory 4
- Manufacturing 5
- Website 5
- Marketing 7
- Human Resources 9
- Productivity 5
- Administration 2

Sales

From quotations to invoices

Activate Learn More

MRP II

Work Orders, Planning, Routing

Learn More Upgrade

Knowledge

Centralize, manage, share and grow your knowledge library

Learn More Upgrade

eCommerce

Sell your products online

Activate Learn More

Expenses

Submit, validate and reinvoice employee expenses

Activate Learn More

Field Service

Schedule and track onsite operations, time and material

Learn More Upgrade

Sign

Send documents to sign online

Learn More Upgrade

eLearning

Manage and publish an eLearning platform

Restaurant

Restaurant extensions for the Point of Sale

Learn More

Website

Enterprise website builder

Activate Learn More

Purchase

Purchase orders, tenders and agreements

Activate Learn More

Manufacturing

Manufacturing Orders & BOMs

Activate Learn More

Studio

Create and Customize Applications

Learn More Upgrade

Employees

Centralize employee information

Learn More

Helpdesk

Track support tickets

Learn More Upgrade

Planning

Manage your employees' schedule

Invoicing

Invoices & Payments

Learn More

Inventory

Manage your stock and logistics activities

Learn More

Point of Sale

User-friendly PoS interface for shops and restaurants

Learn More

Email Marketing

Design, send and track emails

Learn More

Time Off

Allocate PTOs and follow leaves requests

Activate Learn More

Data Recycle

Find old records and archive/delete them

Activate Module Info

Subscriptions

MRR, Churn, Recurring payments

Learn More Upgrade

Events

Publish events, sell tickets

CRM

Track leads and close opportunities

Activate Learn More

Accounting

Accounting, Taxes, Budgets, Assets...

Learn More Upgrade

Project

Organize and plan your projects

Learn More

Timesheets

Track time & costs

Learn More Upgrade

Recruitment

Track your recruitment pipeline

Activate Learn More

Maintenance

Track equipment and manage maintenance requests

Activate Learn More

Quality

Quality Alerts, Control Points

Learn More Upgrade

Discuss

Chat, mail gateway and private channels

Point of Sale

Dashboard Orders Products Reporting Configuration

Point of Sale

Search...

1-1 / 1

Restaurant

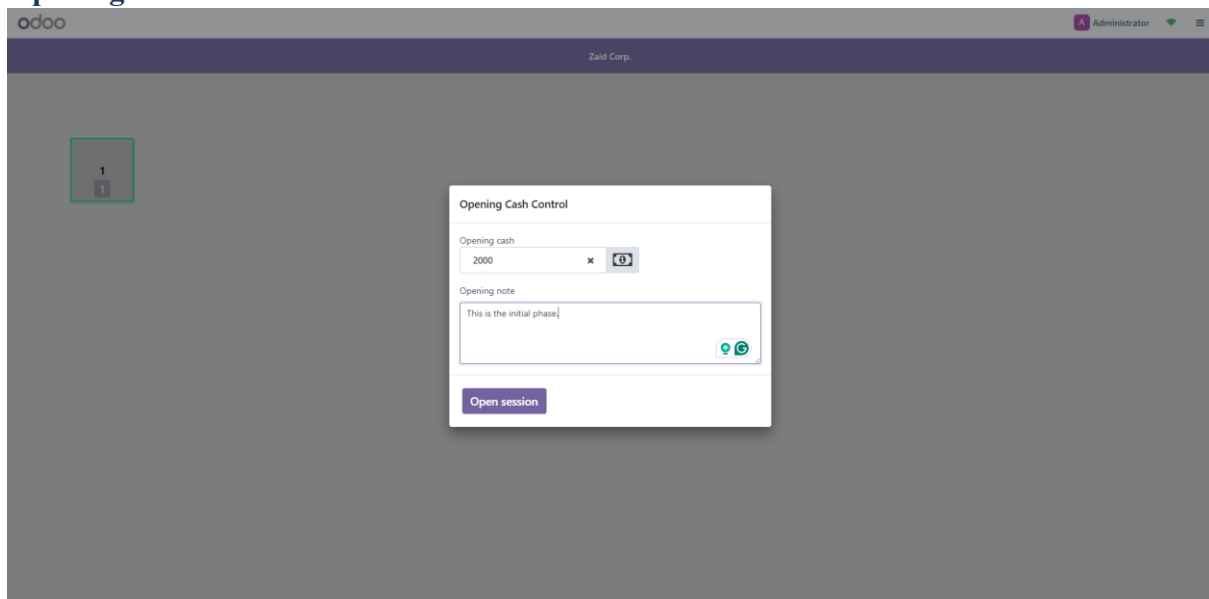
Self Ordering Kiosk

New Session

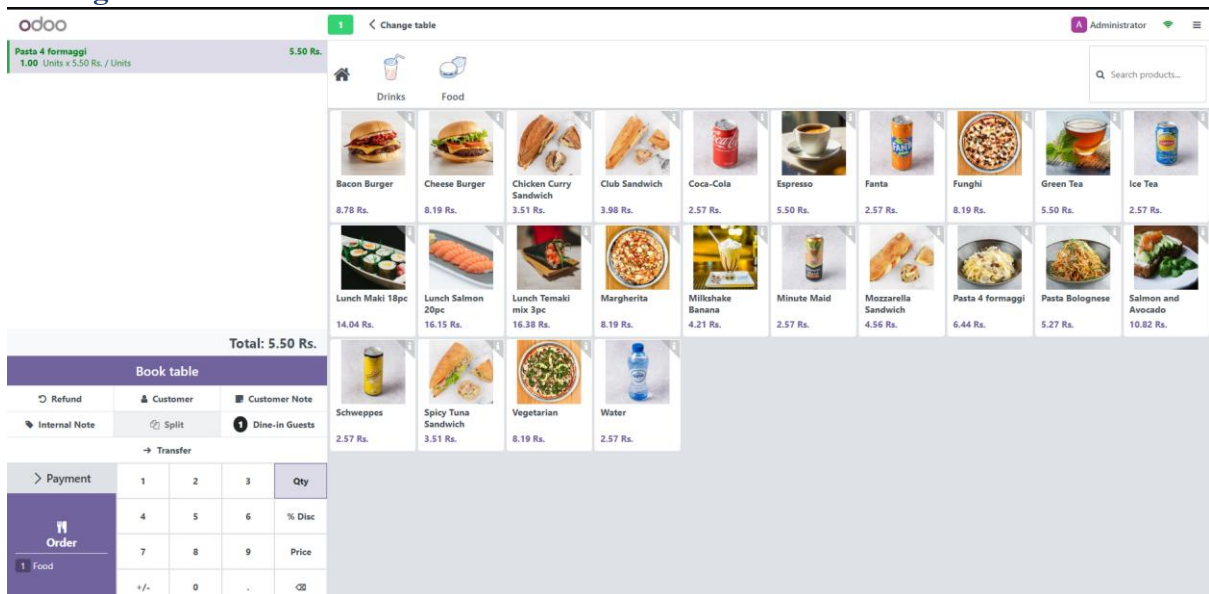
### 3. Advanced Configuration and Customization:

#### 3.1 Exploring the configuration options:

##### Opening the Cash Control:



##### Adding demo data to the session:





## Payment method:

1

Change table

Administrator

Back

Payment

Payment method

Bank

Customer Account

Cash Restaurant

Summary

Cash Restaurant 5.50

Validate

Remaining 0.00 Rs.

Change 0.00 Rs.

Total Due 5.50 Rs.

Invoice

1	2	3	+10
4	5	6	+20
7	8	9	+50
+/-	0		

## Payment Successful:

1

Administrator


5.50 Rs.

Payment Successful

Print Receipt

128793@mu.edu.pk

New Order

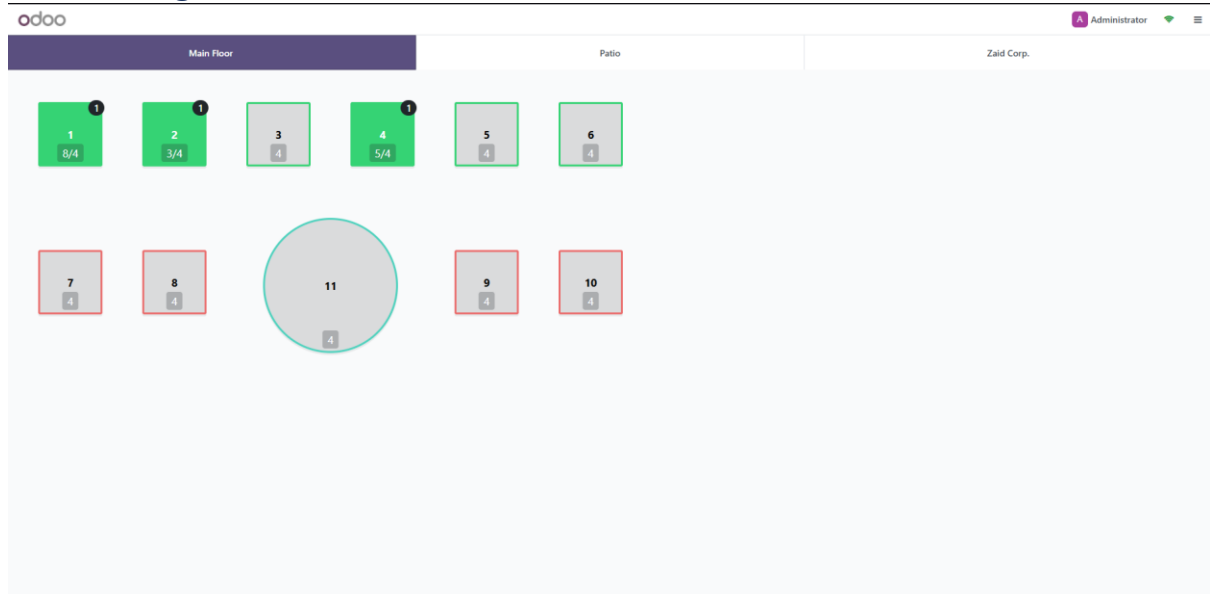


Zaid Corp.  
 zaidmasood744@gmail.com  
 Served by Administrator  
 at table 6  
 Guests: 1  
**101**

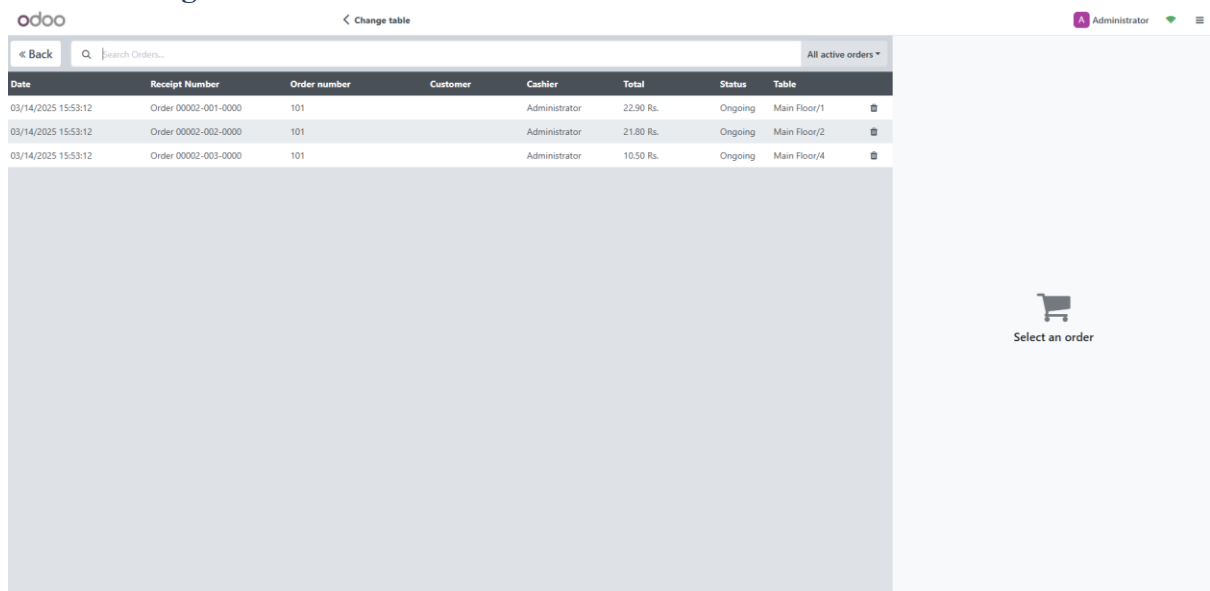
Pasta 4 formaggi	5.50 Rs.
1.00 Units x 5.50 Rs. / Units	
<b>TOTAL</b>	<b>5.50 Rs.</b>
Cash Restaurant	5.50
<b>CHANGE</b>	<b>0.00 Rs.</b>

Powered by Odoo  
 Order 00002-004-0000  
 03/14/2023 16:01:52

## Table Management:



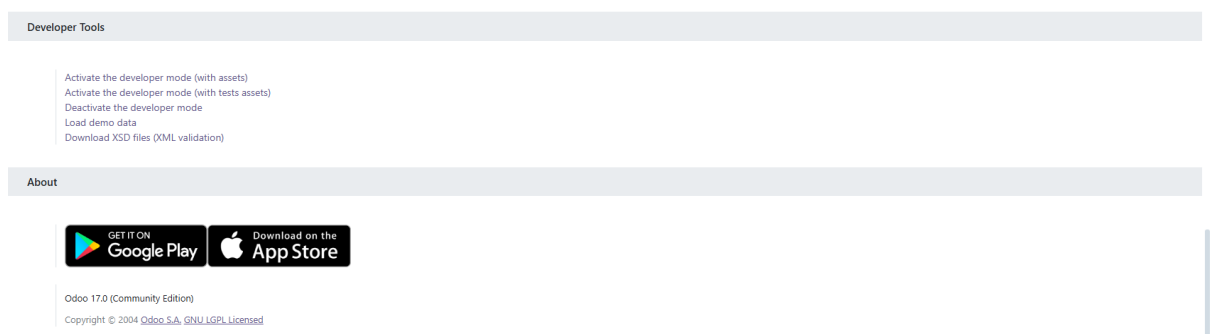
## Order Management:



## 3.2,3.3 Customizing the module and Documentation and Integration:

### Adding custom fields:

choose “activate developer mode” for this step:



Settings

General Settings

Users & Companies

Translations

Gamification Tools

Technical

Save

Discard

Settings

General Settings

Inventory

Invoicing

Project

Email Marketing

Employees

Point of Sale

Users

Invite New Users

Enter e-mail address

Pending Invitations:

028793@nu.edu.pk

Languages

1 Language

→ Add Languages

→ Manage Languages

Companies

Zaid Corp.

House No. 215-E, Government Employees Housing Soci

63100 - Bahawalpur

Punjab (PK) (PK)

Pakistan

→ Update Info

Document Layout

Choose the layout of your documents

Layout

User-defined Defaults

IAP

IAP Accounts

User Interface

Menu Items

Onboardings

Onboardings Steps

Views

Customized Views

User-defined Filters

Tours

Database Structure

Decimal Accuracy

Assets

Models

Fields

Fields Selection

Model Constraints

ManyToMany Relations

Attachments

Logging

Profiling

Automation

manage companies

Email Templates

Customize the look and feel of automated emails

Header Color

192.168.18.68:8080/web?debug=1&menu\_id=31&action=19

Settings

General Settings

Users & Companies

Translations

Gamification Tools

Technical

New

Models

Search...

1-80 / 486

<input type="checkbox"/> Model	Model Description	Type	Transient Model
<input type="checkbox"/> account.reconcile.model	Preset to create journal entries during a invoices and payments matching	Base Object	<input type="checkbox"/>
<input type="checkbox"/> product.pricelist	Pricelist	Base Object	<input type="checkbox"/>
<input type="checkbox"/> product.template	Product	Base Object	<input type="checkbox"/>
<input type="checkbox"/> product.product	Product Variant	Base Object	<input type="checkbox"/>
<input type="checkbox"/> project.project	Project	Base Object	<input type="checkbox"/>
<input type="checkbox"/> project.milestone	Project Milestone	Base Object	<input type="checkbox"/>
<input type="checkbox"/> project.update	Project Update	Base Object	<input type="checkbox"/>
<input type="checkbox"/> rating.mixin	Rating Mixin	Base Object	<input type="checkbox"/>
<input type="checkbox"/> stock.scrap	Scrap	Base Object	<input type="checkbox"/>
<input type="checkbox"/> survey.survey	Survey	Base Object	<input type="checkbox"/>
<input type="checkbox"/> survey.user_input	Survey User Input	Base Object	<input type="checkbox"/>
<input type="checkbox"/> project.task	Task	Base Object	<input type="checkbox"/>
<input type="checkbox"/> account.tax	Tax	Base Object	<input type="checkbox"/>
<input type="checkbox"/> stock.picking	Transfer	Base Object	<input type="checkbox"/>
<input type="checkbox"/> auth_totp.wizard	2-Factor Setup Wizard	Base Object	<input checked="" type="checkbox"/>
<input type="checkbox"/> account.edi.xmlubl_a_nz	A-NZ BIS Billing 3.0	Base Object	<input type="checkbox"/>
<input type="checkbox"/> res.users.apikeys.description	API Key Description	Base Object	<input checked="" type="checkbox"/>
<input type="checkbox"/> res.groups	Access Groups	Base Object	<input type="checkbox"/>
<input type="checkbox"/> account.cash.rounding	Account Cash Rounding	Base Object	<input type="checkbox"/>



New

Server Actions

Auto-Apply 10% Discount for Orders Above Rs.50

4 / 68

Remove Contextual Action

Auto-Apply 10% Discount for Orders Above Rs.50

Type ?

Update RecordCreate ActivitySend EmailSend SMSAdd FollowersRemove FollowersCreate RecordExecute CodeSend Webhook NotificationExecute Existing Actions

TECHNICAL SETTINGS

Model ?

Point of Sale Session

Allowed Groups ?

Point of Sale / Administrator X

ACTION DETAILS

CodeHelp

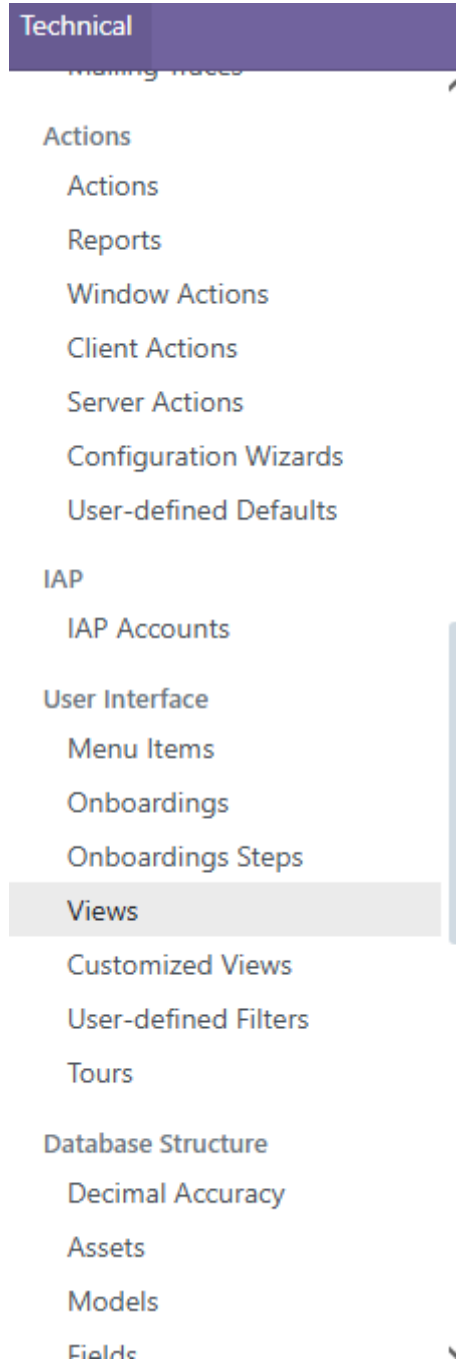
```
1 # Available variables:
2 # - env: environment on which the action is triggered
3 # - model: model of the record on which the action is triggered; is a void recordset
4 # - record: record on which the action is triggered; may be void
5 # - records: recordset of all records on which the action is triggered in multi-mode; may be void
6 # - time, datetime, datetime, timezone: useful Python libraries
7 # - float_compare: utility function to compare floats based on specific precision
8 # - log: log(message, level='info'): logging function to record debug information in lr_logging table
9 # - logger: logger.info(message): logger to emit messages in server logs
10 # - UserError: exception class for raising user-facing warning messages
11 # - Command: jshiny commands namespace
12 # To return an action, assign: action = (...)
13 if record.amount_total > 50:
14     record.write({'discount': 10})
15
16
17
18
19
```

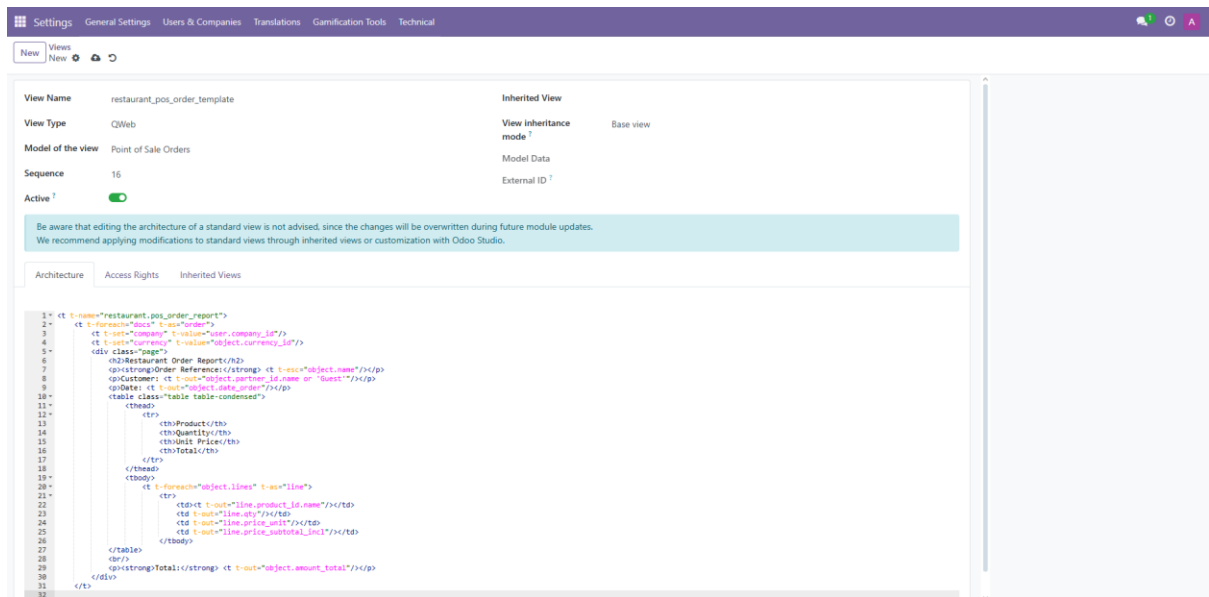
Code:

if record.amount\_total > 50:

record.write({'discount': 10})

## Creating reports:





Code:

```
<t t-name="restaurant.pos_order_report">
  <t t-foreach="docs" t-as="order">
    <t t-set="company" t-value="order.company_id"/>
    <t t-set="order_lines" t-value="order.lines"/>

    <div class="page">
      <h2>Restaurant Order Report</h2>
      <p><strong>Order Reference:</strong> <t t-esc="order.name"/></p>
      <p><strong>Customer:</strong> <t t-esc="order.partner_id.name or 'Walk-in Customer'"></p>
      <p><strong>Order Date:</strong> <t t-esc="order.date_order"/></p>

      <table class="table table-condensed">
        <thead>
          <tr>
            <th>Product</th>
            <th>Quantity</th>
            <th>Unit Price</th>
            <th>Total</th>
          </tr>
          <tbody>
            <t t-foreach="order_lines" t-as="line">
              <tr>
                <td><t t-out="line.product_id.name"/></td>
                <td><t t-out="line.qty"/></td>
                <td><t t-out="line.price_unit"/></td>
                <td><t t-out="line.price_subtotal"/></td>
              </tr>
            </tbody>
          </table>
          <p><strong>Total:</strong> <t t-out="order.amount_total"/></p>
        </div>
      </t>
    </t>
  </t>
</t>
```

```

</thead>

<tbody>
  <t t-foreach="order_lines" t-as="line">
    <tr>
      <td><t t-esc="line.product_id.name"/></td>
      <td><t t-esc="line.qty"/></td>
      <td><t t-esc="line.price_unit"/></td>
      <td><t t-esc="line.price_subtotal_incl"/></td>
    </tr>
  </t>
</tbody>
</table>

<p><strong>Total Amount:</strong> <t t-esc="order.amount_total"/></p>
</div>
</t>

```



## Technical

### Database Structure

Decimal Accuracy

Assets

Models

Fields

Fields Selection

Model Constraints

ManyToMany Relations

Attachments

Logging

Profiling

### Automation

Scheduled Actions

Scheduled Actions Triggers

### Reporting

Paper Format

Reports

### Sequences & Identifiers

External Identifiers

Sequences

### Parameters

System Parameters

Custom Parameters

## Restarting after all steps:

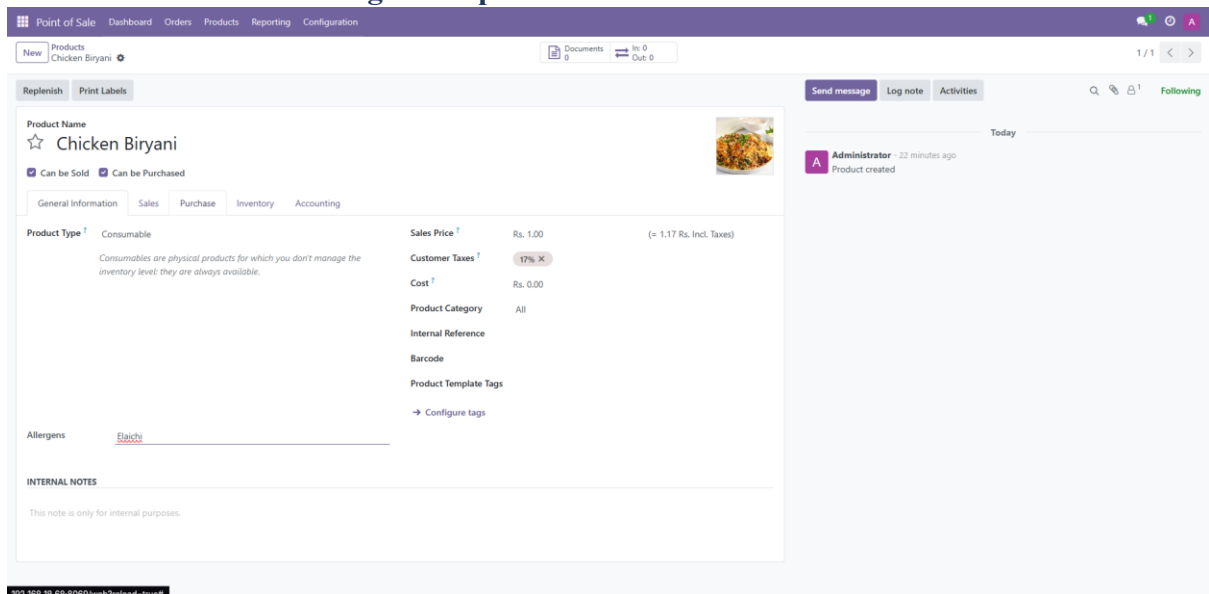
```
odoo@server: ~/odoo
Processes: 134
Users logged in: 1
IPv4 address for enp0s3: 10.0.2.15
IPv6 address for enp0s3: fd17:625c:f037:2:a00:27ff:fe15:d784

Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Fri Sep 19 13:04:34 2025 from 10.0.2.2
burhan@server:~$ sudo su - odoo
[sudo] password for burhan:
odoo@server:~$ cd ~/odoo
odoo@server:~/odoo$ source venv/bin/activate
(venv) odoo@server:~/odoo$ ./odoo-bin -c /etc/odoo.conf
/opt/odoo/odoo/modules/module.py:11: UserWarning: pkg_resources is deprecated as an API. See https://setuptools.pypa.io/en/latest/pkg_resources.html. The p
kg_resources package is slated for removal as early as 2025-11-30. Refrain from using this package or pin to Setuptools<81.
import pkg_resources
ERROR: couldn't write the config file
^CException in thread odoo.service.cron.cron0:
Traceback (most recent call last):
  File "/usr/lib/python3.12/threading.py", line 1073, in _bootstrap_inner
(venv) odoo@server:~/odoo$ exit
logout
burhan@server:~$ sudo su - odoo
[sudo] password for burhan:
[sudo] password for burhan:
odoo@server:~$ cd ~/odoo
odoo@server:~/odoo$ source venv/bin/activate
(venv) odoo@server:~/odoo$ ./odoo-bin -c /etc/odoo.conf
/opt/odoo/odoo/modules/module.py:11: UserWarning: pkg_resources is deprecated as an API. See https://setuptools.pypa.io/en/latest/pkg_resources.html. The p
kg_resources package is slated for removal as early as 2025-11-30. Refrain from using this package or pin to Setuptools<81.
import pkg_resources
```

## 3.4 Testing the configured module: Custom field while creating a new product:



## Application of discount on the set amount:

ooodo Change table Administrator

Lunch Temaki mix 3pc  
4.00 Units x 14.74 Rs. / Units  
16.38 Rs. With a 10% discount 58.97 Rs.

Search products...

Drinks Food

Bacon Burger 8.78 Rs.	Cheese Burger 8.19 Rs.	Chicken Curry Sandwich 3.51 Rs.	Club Sandwich 3.98 Rs.	Coca-Cola 2.57 Rs.	Espresso 5.50 Rs.	Fanta 2.57 Rs.	Funghi 8.19 Rs.	Green Tea 5.50 Rs.	Ice Tea 2.57 Rs.
Lunch Maki 18pc 14.04 Rs.	Lunch Salmon 20pc 16.15 Rs.	Lunch Temaki mix 3pc 16.38 Rs.	Margherita 8.19 Rs.	Milkshake Banana 4.21 Rs.	Minute Maid 2.57 Rs.	Mozzarella Sandwich 4.56 Rs.	Pasta 4 formaggi 6.44 Rs.	Pasta Bolognese 5.27 Rs.	Salmon and Avocado 10.82 Rs.
Schweppes 2.57 Rs.	Spicy Tuna Sandwich 3.51 Rs.	Vegetarian 8.19 Rs.	Water 2.57 Rs.						

Total: 58.97 Rs.  
Taxes: 8.57 Rs.

Refund **Zaid Corp.** Customer Note


Internal Note Bill Split

1 Dine-in Guests → Transfer

Payment	1	2	3	Qty
Order	4	5	6	% Disc
	7	8	9	Price
	+/-	0	-	OS

Bill Printing Ok >

**Print**



Zaid Corp  
zaidmood14@gmail.com  
Served by Administrator  
at table 1  
Guests: 1  
**401**

Lunch Temaki mix 3pc 4.00 Units x 14.74 Rs. / Units 16.38 Rs. With a 10% discount	58.97 Rs.
<b>TOTAL</b>	58.97 Rs.

Cash Restaurant	65.52
Discounts	6.55 Rs.
Tax	17%
Amount	8.57
Base	50.40
<b>TOTAL</b>	58.97

PRO FORMA

## Generating a report:

**Orders**

- Delete Paid Orders
- Delete Unpaid Orders
- Export Paid Orders
- Export Unpaid Orders
- Import Orders

```
1 {
2   "paid_orders": [],
3   "session": "POS/00004",
4   "session_id": 4,
5   "date": "Fri, 14 Mar 2025 17:00:10 GMT",
6   "version": [
7     17,
8     0,
9     0,
10    "final",
11    0,
12    ""
13  ]
14 }
```

## Challenges and Solutions:

### Challenge 1: "Technical" Menu Not Visible in Settings

**Issue:** The "Technical" menu was missing, preventing access to model configurations.

#### Solution:

- **Enable Developer Mode** using:
  - **Settings → Activate Developer Mode**, OR
  - Adding `?debug=1` to the URL.

### Challenge 2: QWeb Report Error - "Opening and ending tag mismatch"

**Issue:** The `<tr>` and `<td>` tags were incorrectly structured, causing XML errors.

#### Solution:

- Fixed the **loop structure** in QWeb template to ensure proper nesting.
- Verified closing tags for `<tr>` and `<td>`.

### Challenge 3: Workflow Automation Not Available

**Issue:** "Workflows" were deprecated in Odoo 17, requiring a new way to automate actions.

#### Solution:

- Used **Automated Actions** instead:
  1. **Go to** Settings > Technical > Automation > Automated Actions.
  2. **Create New Action:**
    - **Model:** pos.order
    - **Trigger:** On Creation
    - **Condition:** Apply **10% discount** if order > Rs.50.
    - **Action:** Execute Python Code:

```
if record.amount_total > 50:
    record.write({'discount': 10})
```
  3. **Save & Test** the automation.