

Odoo Cafe POS

- **The whole project should be working (not static)**
- **every feature should be running**
- **the workflow should be running smoothly**
- **Also the Logo is already provided, which should be added**
- **Must follow the UI design provided, it can be more beautiful, but the structure of the UI should be same**

1. Project Overview

This hackathon project is a Restaurant POS (Point of Sale) system called “Odoo Cafe POS”, designed to handle:

- Restaurant table-based ordering (Floor/Table view)
- Fast billing & checkout
- Multiple payment methods (Cash, Card/Bank, UPI QR)
- Kitchen Display integration (send orders directly to kitchen)
- POS backend configuration + reporting dashboards
- Optional additions: Self/Online Ordering (token-based), and basic Booking

Goals & Scope

Main Goal

Build a complete POS flow including backend setup and frontend ordering.

Key Outcomes

- Cashier can open a POS session and start taking orders
- Orders can be paid using different payment methods
- Order details can be pushed to kitchen screen
- Dashboard/reporting shows sales and session details
- Customer-facing screen shows order/payment status

Complete Flow (End-to-End)

- POS user signs up (first time) or logs in to access the system
- POS user configures POS (products, payment methods, floor/tables, displays)
- POS user opens session and selects a table
- Order is created either:
 - from POS manually, or
 - via mobile/self ordering using token (auto creates Order Number)
- Order is sent to Kitchen Display for preparation
- Kitchen updates order status (To Cook → Preparing → Completed)
- POS user completes payment (Cash / Digital / UPI QR)
- Reports are reviewed using filters (Period / Session / Responsible / Product)

Detailed workflow Dynamic UI design:

starting from the login/ signup page:

Fig. 1: Login/ signup page

Login & SignUp Page

Login

Email/Username

Password

Login

Sign Up here

SignUp

Name

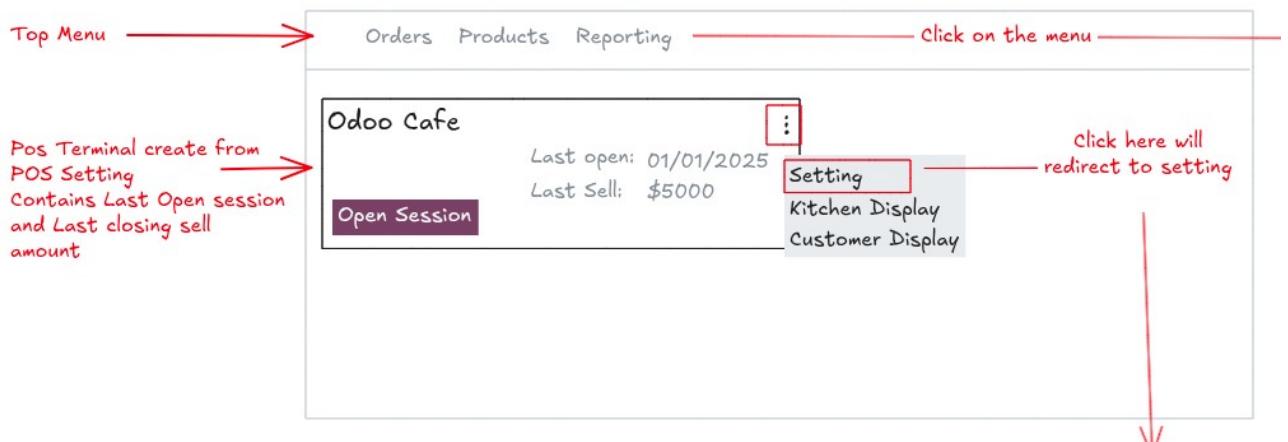
Email/Username

Password

Sign Up

Login

After log in, the



following dashboard should appear:

Fig. 2: Dashboard after login

it should display Top menu, which has three components, Orders, Products and Reporting also, it will show the Pos Terminal create from POS Setting Contains Last Open session and Last closing sell amount

Firstly, by clicking on any of the component in the menu, it will have dropdown list, like in Fig. 3



Fig. 3: Menu View

And by clicking on the three dots on the POS terminal, it will show three dropdown list like Setting, kitchen display, Customer Display

By clicking on the Settings, it will redirect to the Settings screen,



Fig. 4: Point of Scale screen, which will show three payment method options, in which we can choose any one of them,

Payment method:

Cash: If Enable it'll available on the following location

Payment method: UPI: Generate a QR code on the payment page based on the UPI ID pass here
Digital (Bank, Card)

and by clicking on +New icon, it will

Open a Pop-up contains a 1 field "Name" and 2 button 'Save' & 'Discard'

After it'll create a new POS Config(Terminal)

Now, by clicking on Orders option from the dropdown of Menu,

Menu: Orders back-end view

Menu: Orders back-end view						
Orders						
Orders						
Order No	Session	Date	Total	Customer	Status	=
[] 001	01	5 Jan 2026	\$350	Eric	Draft	
[] 001	01	5 Jan 2026	\$350	Smith	Paid	
[] 001	01	5 Jan 2026	\$350	Jacob	Paid	

Fig. 5: Menu: Orders back-end view

It contains:

Order List view:

Allow multiple selection with action

"Archived" "Delete" only for draft orders

Then, by clicking on any order row, it will open a new screen,



Order number	Draft	Paid				
Date						
Session						
Customer						
Product	Extra Info					
Product	QTY	amount	Tax	UOM	Sub-Total	Total
Burger -->	5	\$25	5%	Unit	\$125	\$131.25
Coffee -->	5	\$25	5%	Unit	\$125	\$131.25
Sandwich -->	5	\$25	5%	Unit	\$125	\$131.25
					Total w/t	375
					Tax:	18.75
					Final Total	393.75

Fig. 6: Order View

It will display Order number, Date, Session, Customer

and toggle view between **Product** and **Extra info**, for example if clicked on Product, then it will display these columns, Product, QTY, amount, Tax, UOM, Sub-total, Total
and if clicked on Extra Info, then it will display the extra variants if they are added by the customer
and it will show if this is in **Draft** mode, or **Paid** mode

Now, by clicking on Payment dropdown from Menu , Fig. 3
the following screen will be appeared

Menu: Payment back-end view																								
Orders																								
Orders																								
<input type="button" value="Payment"/>																								
<input type="button" value="Customer"/>																								
Orders Products Reporting																								
Payments																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Payment method</th> <th>Date</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>> Card</td> <td></td> <td>\$2000</td> </tr> <tr> <td>V Cash</td> <td></td> <td>\$6000</td> </tr> <tr> <td>[] Cash</td> <td>5 Jan 25</td> <td>\$4500</td> </tr> <tr> <td>[] Cash</td> <td>4 Jan 25</td> <td>\$500</td> </tr> <tr> <td>[] Cash</td> <td>5 Jan 25</td> <td>\$1000</td> </tr> <tr> <td>> UPI</td> <td></td> <td>\$15000</td> </tr> </tbody> </table>				Payment method	Date	Amount	> Card		\$2000	V Cash		\$6000	[] Cash	5 Jan 25	\$4500	[] Cash	4 Jan 25	\$500	[] Cash	5 Jan 25	\$1000	> UPI		\$15000
Payment method	Date	Amount																						
> Card		\$2000																						
V Cash		\$6000																						
[] Cash	5 Jan 25	\$4500																						
[] Cash	4 Jan 25	\$500																						
[] Cash	5 Jan 25	\$1000																						
> UPI		\$15000																						

Fig. 7: Menu: Payment back-end view

Group by payment method

it will have these three columns, Payment method, Date, Amount

By clicking on Customer dropdown from Menu Fig. 3, the following screen is appeared,

Menu: Customer back-end view

Orders

Orders

Payment

Orders Products Reporting

New Customer

Search Customer.....

=

Name	Contact	Total Sales	
[] Eric	✉ eric@odoo.com ↳ +91 9898989898	\$2000	List View
[] Eric	✉ eric@odoo.com ↳ +91 9898989898	\$2000	
[] Eric	✉ eric@odoo.com ↳ +91 9898989898	\$2000	
[] Eric	✉ eric@odoo.com ↳ +91 9898989898	\$2000	

Fig. 8: Menu: Customer back-end view

It will contain three columns, Name, Contact, Total Sales
and in the top, there will be two tabs “New” button, and “Products” tab

By clicking on that New button, it will show this

Orders Products Reporting

New Customer

e.g Eric Smith

eric@odoo.com

+91 9898989898

Address

St, 1 _____
St, 2 _____

city Gandhinagar State Gujarat V ← DropDown all state list Autocomplete suggestion

Country India V

Fig. 9: New Customer

The following details will be asked as input from the user, and the State, and Country will have dropdown menu to be choosed by the customer

Now, by clicking on the Products component from the Menu Fig. 3,
And Product component will contain two options as dropdown list, Products, Category

Menu: Product Creation back-end view

Products

Products
 Category

Orders Products Reporting

New Products New

Product

e.g Eric Smith

General Info Variant

Category Drink X V Prices _____ KG V
Unit Liter

Product Description
e.g Burger with cheese

Tax 5% V
↑
Drop down, 5%, 18%, 28%

Fig. 10: Menu: Product Creation back-end view
it will contain two tabs General Info, and Variant tab,
show the general information as shown in the Fig. 10

and this is the Variant tab,

Varinat Tab

The screenshot shows a web-based application for managing product variants. At the top, there are navigation links: Orders, Products, and Reporting. Below them, a sub-navigation bar has 'New' and 'Products' buttons, with 'Products' being the active one. A search bar contains the placeholder 'e.g Eric Smith'. Underneath, a section labeled 'Product' shows a list item 'e.g Eric Smith'. Below this is a table with two rows of data:

Attributes	Value	Unit	Extra Prices
Pack	6	Unit V	\$20
Pack	12	Unit V	\$0

A red arrow points from the word 'New' in the first row to a gray dropdown menu in the second row. The dropdown menu contains three options: 'K.G', 'Unit', and 'Liter'. To the right of the table are two trash can icons.

Fig. 11: Varinat Tab

It will show the Variants as per the customer adds,
in that there will be also New button, which will ask customer to add that, and after adding variants,
it should be displayed in the Variants tab,
The unit column would be having dropdown list like K.G, Unit, Litre
Also there would be an option to delete the variant

Now, clicking on Products tab,

Fig. 12: Products tab,

It will show the following columns as shown in the fig 12, Also, The Category column, Bootstrap class with auto pick color

The screenshot shows a list of products in a table format. At the top, there are navigation links: Orders, Products, and Reporting. Below them, a sub-navigation bar has 'Products' and 'Archived' buttons, with 'Products' being the active one. There are also 'Selected' and 'Action' buttons. The table has the following columns:

Product	Sale Prices	Tax	UOM	Category
[] Burger	\$25	5%	Unit	Food
[] Cofee	\$25	5%	6 Pack	Drink
[] Burger	\$25	5%	Unit	Food
[] Cofee	\$25	5%	KG	Drink
[] Burger	\$25	5%	Unit	Food
[] cofee	\$25	5%	Drink	Pastries

A red arrow points from the word 'Food' in the third row to the 'Category' column header. A red annotation text 'Bootstrap class with auto pick color' is placed near the 'Food' cell in the third row.

Menu: Product Category back-end view

Products

Products

Category

Product Cataegory

New Category

Product Category Color

:: Quick Bites	● Cyan	● Orange	● Pink	● Yellow	● Blue	trash icon
:: Food	● Cyan					trash icon
::						

Click on new button will enable line below

Resequence on drag & drop this icon

By defulat white color click on the widget open a fixed 5-6 color option

Fig. 13: Menu: Product Category back-end view

Click on new button will enable line below

By clicking on the four dots, Resequence on drag & drop this icon

By defulat white color click on the widget open a fixed 5-6 color option and an icon of dustbin to delete

Floor Plan: open a form view and add/remove a table

Point of Sale Odoo Cafe

POS Interface

By default enable it with created 5 table

Plan -->

Floor Name
e.g: Ground Floor

Point Of Sale Odoo Cafe

M2M Select the session from dropdown

Bulk action Action through selection Delete and Duplicate

X 2 Selected * Action

Duplicate Delete

Table Number	Seats	Active	Appointment Resource
[] 101	5	ON	Table 3 (Seating 2)
[] 102	8	OFF	Table 3 (Seating 2)
[] 101	5	ON	Table 3 (Seating 2)
[] 102	8	ON	Table 3 (Seating 2)

Fig. 14: Floor Plan: open a form view and add/remove a table

in the POS Interface, By default enable it with created 5 table and by expanding the Plan button, this will appear

	Table Number	Seats	Active	Appointment Resource
[]	101	5	<input checked="" type="checkbox"/>	Table 3 (Seating 2)
[]	102	8	<input type="checkbox"/>	Table 3 (Seating 2)
[]	101	5	<input checked="" type="checkbox"/>	Table 3 (Seating 2)
[]	102	8	<input checked="" type="checkbox"/>	Table 3 (Seating 2)

Fig. 15: Selecting Floor Plan

M2M Select the session from dropdown

Bulk action : Action through selection Delete and Duplicate

In this, we can select multiple rows, for the “Action” like Delete or Duplicate and the following columns are displayed like Table number, Seats, Active, Appointment Resource Active will have toggle switch which will indicate it that table is active or not.

By clicking on Open session will open the POS Terminal.(Fig. 2), (Fig 16) **POS terminal screen: Floor View** will be opened

Click on Open session will open the POS Terminal.

Odoo Cafe

Last open: 01/01/2025

Last Sell: \$5000

Open Session

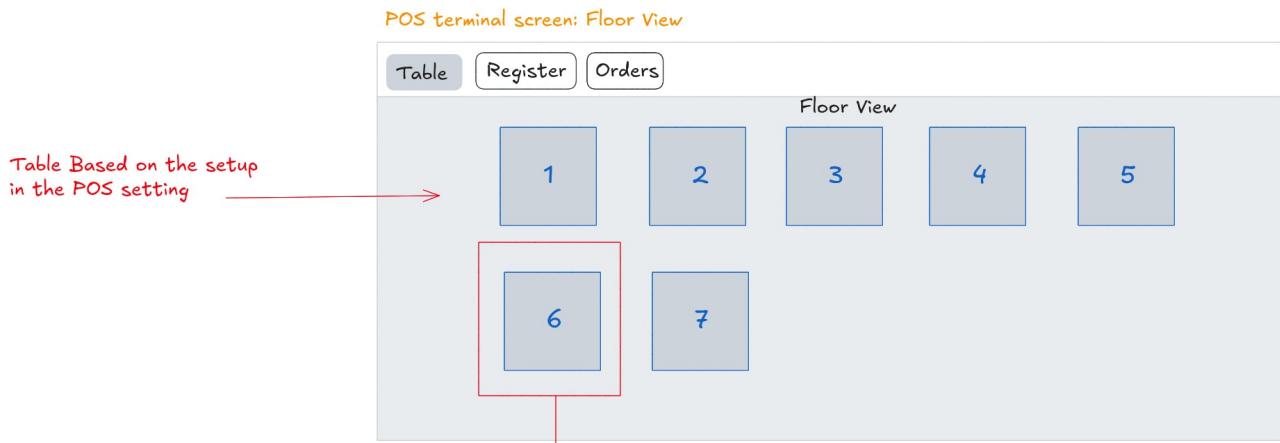


Fig. 16: POS terminal screen: Floor View

This will contain 3 tabs: Table, Register, Orders

Table tab will show Table Based on the setup in the POS setting

By clicking on any card, it will open a new screen

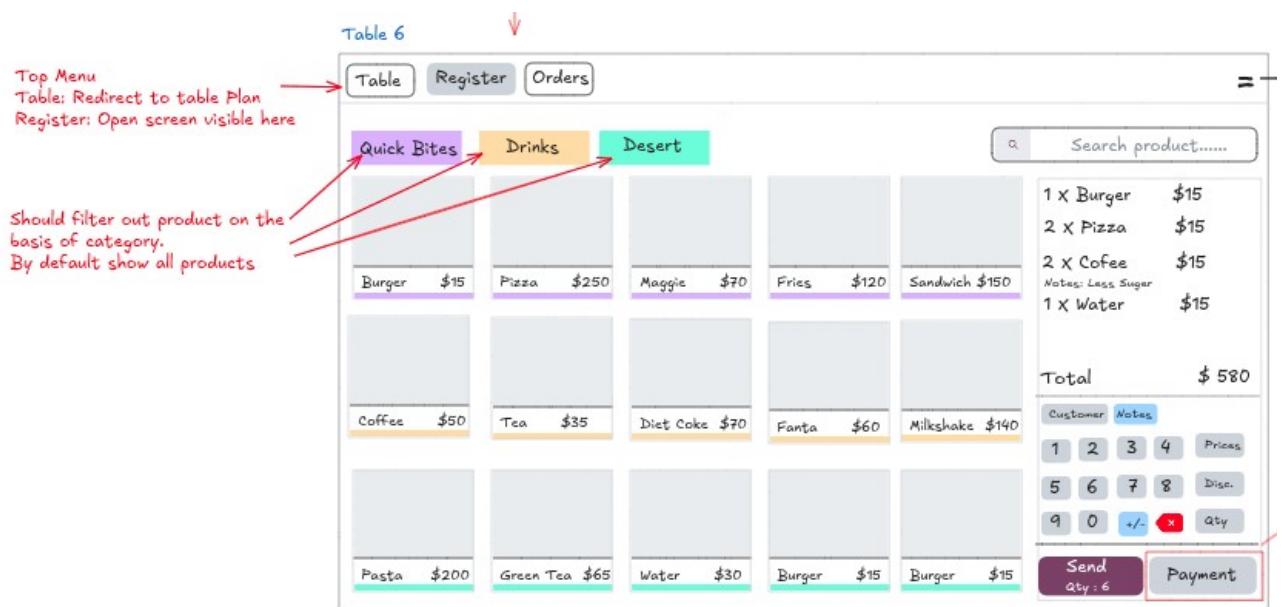


Fig. 17: Specific Table View Details

This will automatically switched to Register tab,

Top Menu Table: Redirect to table

Plan Register: Open screen visible here

Also, on the top right corner, there is a list dropdown, for **Reload Data**, **Go to Back-end**, **Close register**

if Register tab,

Should filter out product on the basis of category.

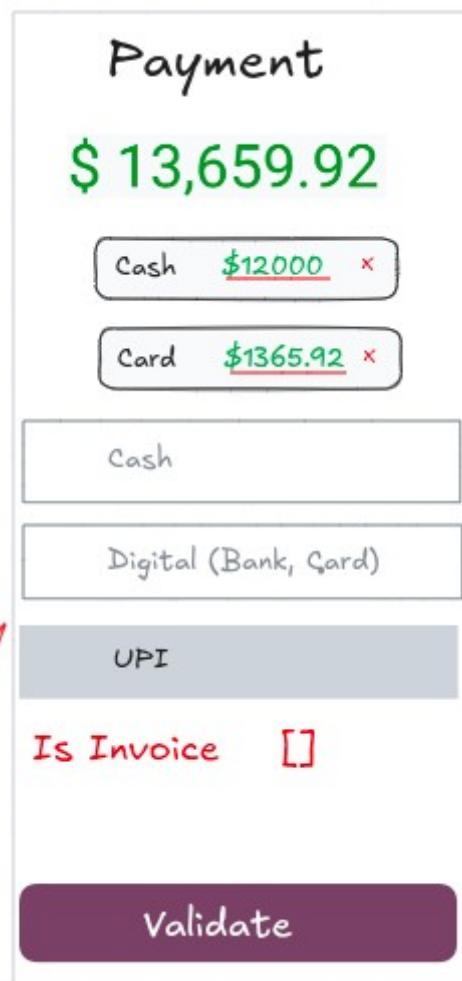
By default show all products

and in the right sidebar, it should show the total bill of the products selected, which will include "Customer" and "Notes". There will be two options, **Send**, and **Payment**

Clicking on Payment,

a small screen will be appeared, showing again the payment,

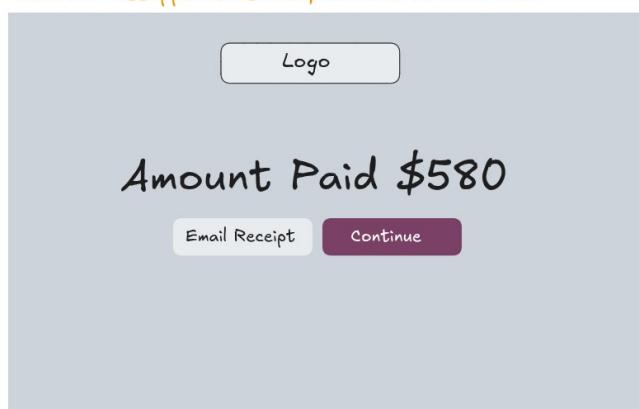
**Fig. 18: Payment Validate
screeen (for Cash)**



this will let the user choose the mode of payment, Cash, Digital(Bank, Card) and UPI and at the last there is a button “Validate”, if clicked on Validate, it will follow the chosen mode of payment and the show this screen. It will have an option for Email receipt, and Continue

Payment confirmation screen, click on anywhere
here will disappeared screen, redirect to floor view

Fig. 19: Amount Paid



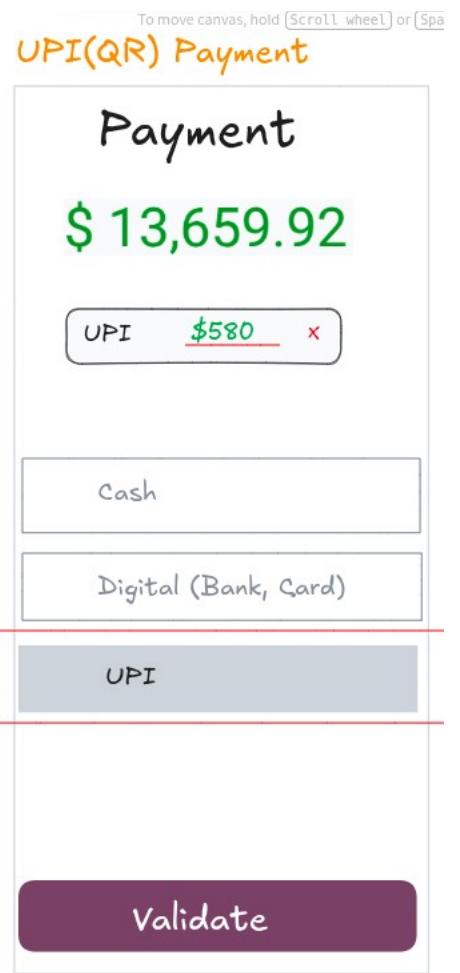
Payment confirmation screen, click on anywhere or Continue, here will disappeared screen, redirect to floor view

And if User selects UPI(QR) Payment method,

Fig. 20: Payment Validate screeen (for UPI)

Click on a Payment method will open a UPI QR based on the ID set in the pos.config (Fig. 21)

UPI Payment: QR will created based on the UPI ID defined in the POS setting



**Fig. 21: QR Code
it will also show two options, Confirmed or Cancel**

UPI Payment: QR will created based on the UPI ID defined in the POS setting

And if clicked on Send button in Fig. 17, Send Button will send a menu to the Kitchen display

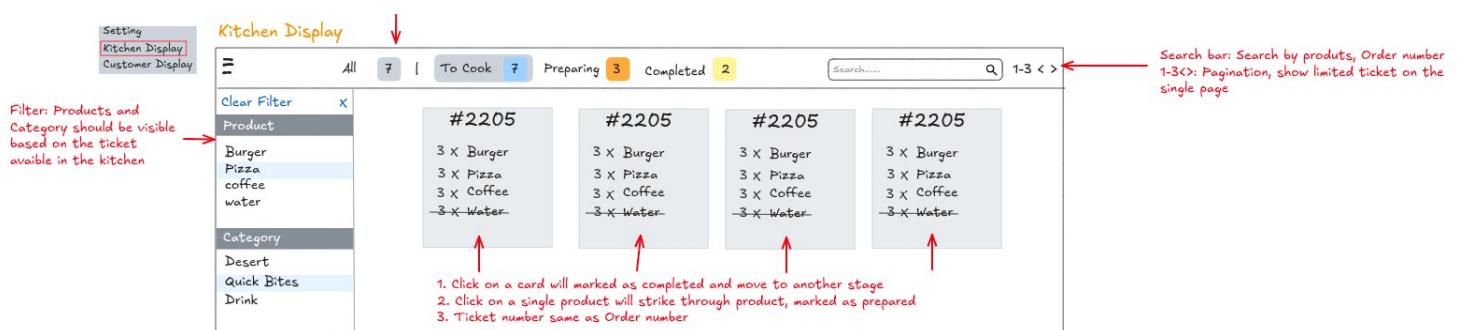


Fig. 22: Kitchen Display

First of all, the Top menu will display these components, three dots, All (total Qty), The particular stage of the food (for example, to Cook (qty)), Preparing (Qty), Completed(Qty)

the quantities should be updated automatically according to the status of the Kitchen

And a Search bar: Search by products, Order number

1-3<>: Pagination, show limited ticket on the single page

Then on the centre

1. Click on a card will mark as completed and move to another stage
2. Click on a single product will strike through product, marked as prepared
3. Ticket number same as Order number

and on the leftmost panel,

Filter: Products and Category should be visible based on the ticket available in the kitchen

Now, if we select Customer display from Fig. 2: Setting,



Append "/customer-display" at end of the db url

The screenshot shows a meal summary on a customer-facing display. On the left, there is a logo placeholder and a message 'Welcome to 'Store Name''. An arrow points to this message area. On the right, there is a table of items:

	1 x Burger	\$15
	2 x Pizza	\$15
	2 x Coffee	\$15
	Sub Total:	\$ 520
	Tax:	\$ 40
	Total:	\$560

Powered by Odoo

Fig. 23: Customer Display

Append "/customer-display" at end of the db url

Show a product based on the adding into cart

Left side fixed Message

Right side: Dynamic view changed based on the action by Cashier
 And the customer will be able to see the order they placed, and their corresponding images, and their corresponding prices, and then **total price**, with **Tax included**, and then the **Grand Total**.



Fig. 24: QR and Payment

And if clicked on Settings, Mobile order,

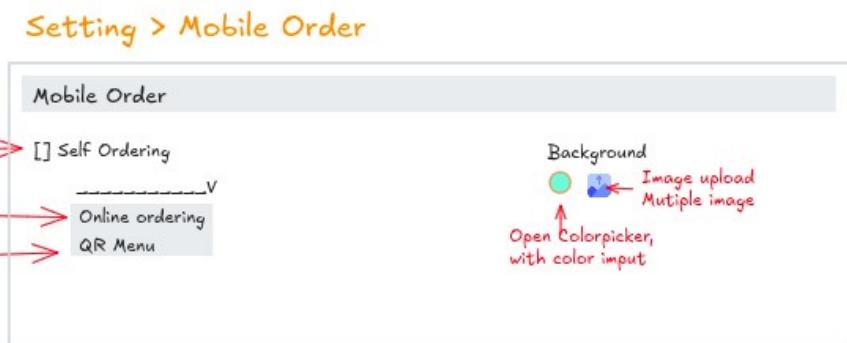


Fig. 25: Mobile Order

Self Ordering: If enable, then and only visible all the setting below
 and a dropdown list containing two options:

1. Online allow customer order
2. QR menu only show a digital menu, on ordering here
 And for the Background, Open Colorpicker, with color input
 Image upload Mutiple image

When select Online Ordering will enable following settings
 Create a webpage use database URL with append token post URL

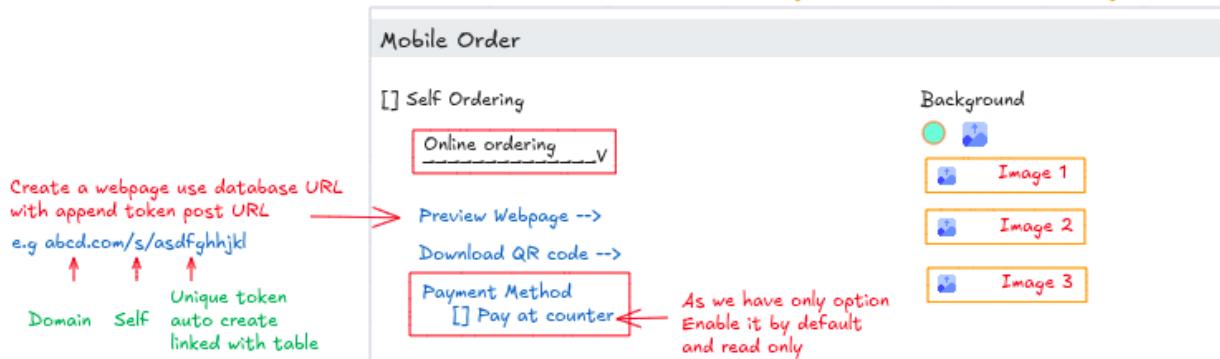
e.g abcd.com/s/asdfghhjkl

e.g abcd.com/s/asdfghhjkl

Domain Self

Unique token
auto create
linked with table

When select Online Ordering will enable following settings



When selected QR menu

QR Menu: It's only digital menu not able to order
Preview Webpage,
Download QR Code

QR Menu: It's only digital menu not able to order

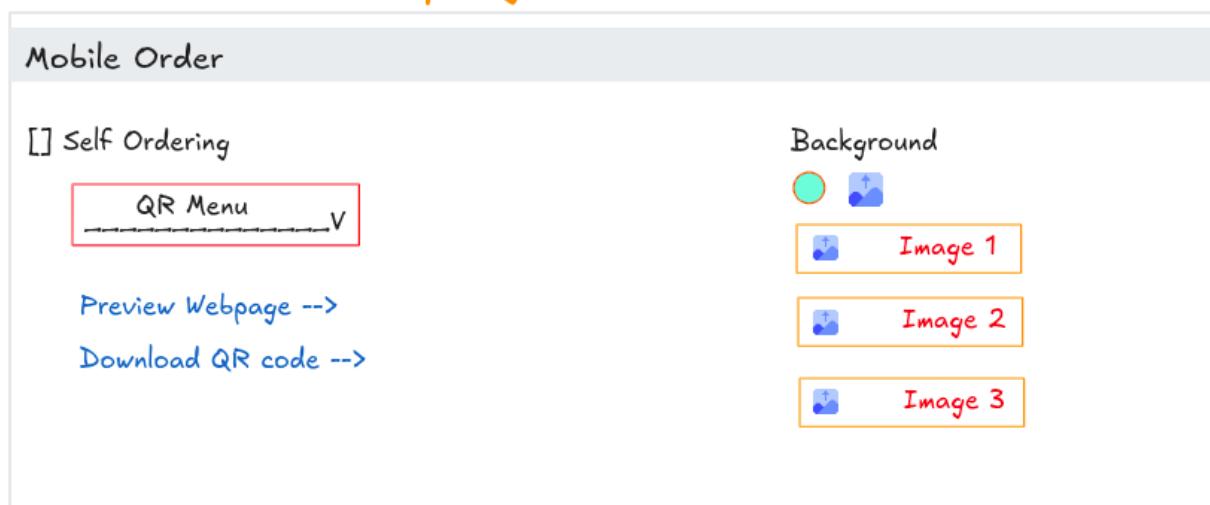
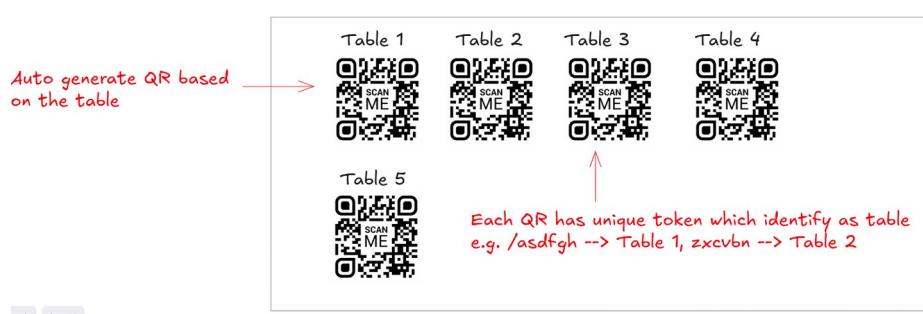


Fig. 26: QR Menu

Download QR code, will show the following screen,

Fig. 27: QR PDF: Generate QR based on the available table

QR PDF: Generate QR based on the available table



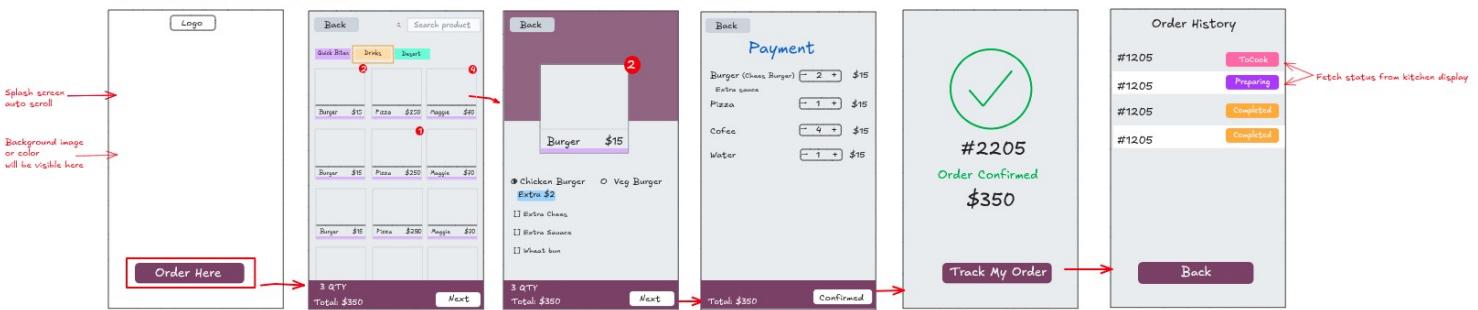
Auto generate QR based on the table,
 Each QR has unique token which identify as table
 e.g. /asdfgh --> Table 1, zxvcvbn --> Table 2

Scan this QR in mobile will open a URL in mobile browser
 URL Format e.g abcd.com/s/asdfghhhjkl



Mobile Browser Order Screens:

Mobile Browser Order Screens



These screens should be the workflow
 Splash screen ,auto scroll -
 Background image or color will be visible here in the first screen

And lastly, the **Menu Reporting, Dashboard,**

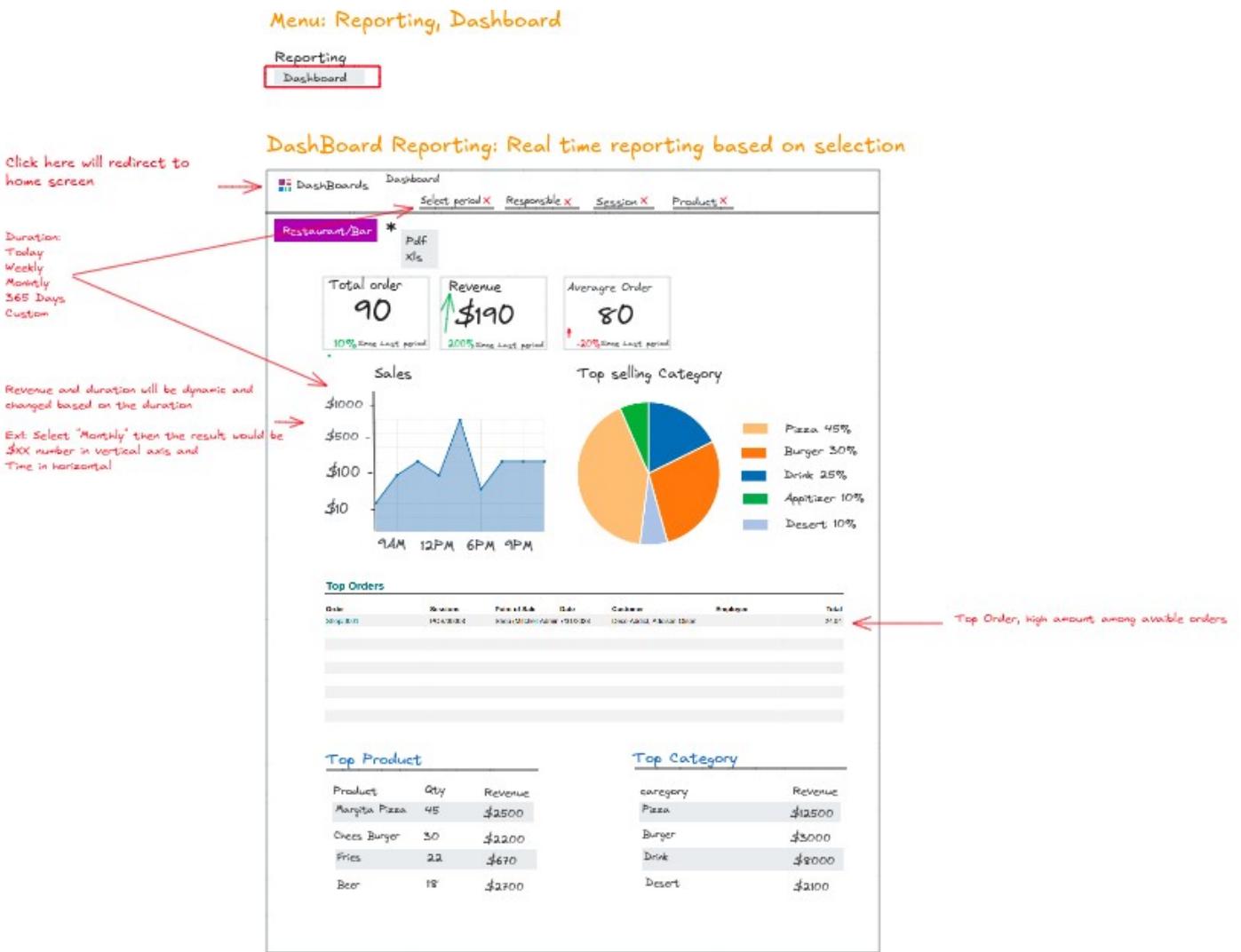


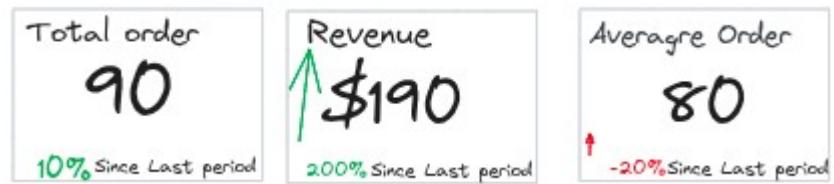
Fig. 28: Dashboard Reporting
DashBoard Reporting: Real time reporting based on selection

Clicking on the Dashboard icon, will redirect to home screen

Reporting Filters (Purpose)

- **Period:** Used to view sales/orders within a specific date range (Duration: Today, Weekly, Monthly, 365 Days, Custom)
- **Session:** Filters reports by a specific POS session to analyze shift-wise sales
- **Responsible:** Filters data by staff/user responsible for the session or orders
- **Product:** Filters reporting based on a product to track best-selling or low-selling items

The Dashboard Report will show three cards in the line, **Total Order**, **Revenue**, **Average Order**



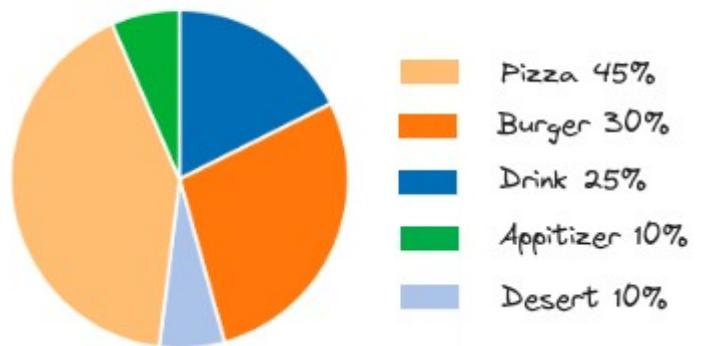
Then, Sales graph

Revenue and duration will be dynamic and changed based on the duration

Ex1: Select "Monthly" then the result would be \$XX number in vertical axis and Time in horizontal

And pie chart of **Top Selling Category**,

Top selling category



Top Product
Top Category

Top Product

Product	Qty	Revenue
Margita Pizza	45	\$2500
Chees Burger	30	\$2200
Fries	22	\$670
Beer	18	\$2700

Top Category

category	Revenue
Pizza	\$12500
Burger	\$3000
Drink	\$8000
Desert	\$2100

These all graphs and illustrations can be downloaded in the form of **.pdf** or **.xls**