

# 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

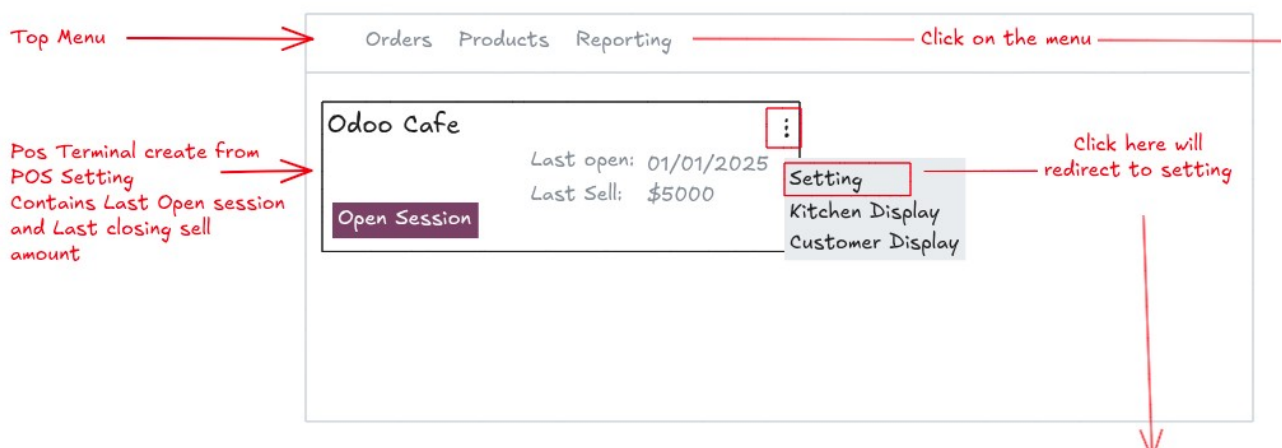
Email/Username

Password

Sign Up

[Login](#)

After log in, the

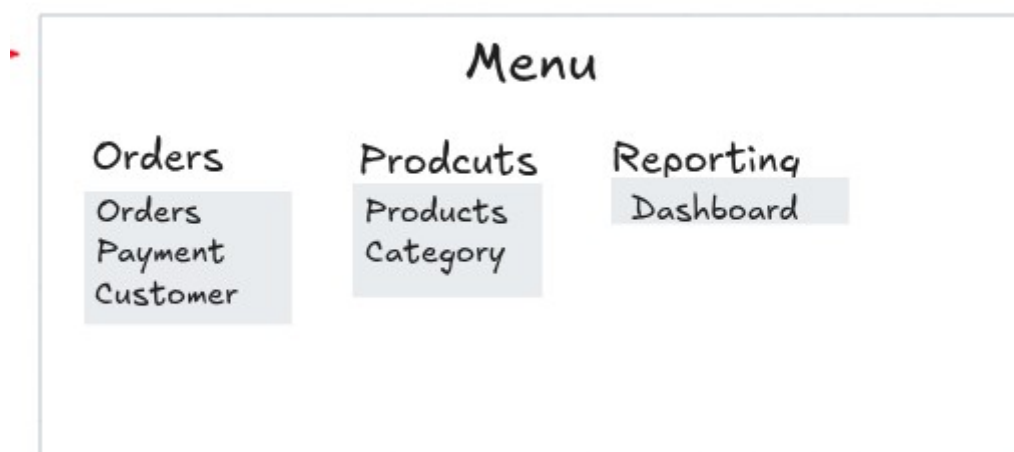


following dashboard should appear:

**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

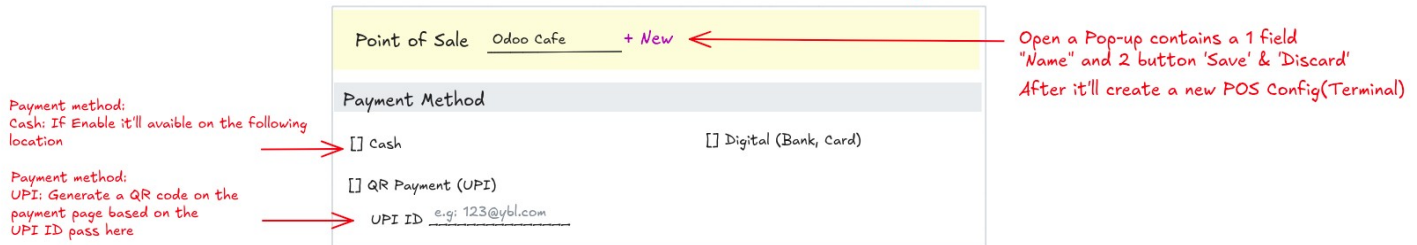
Firstly, by clicking on any of the component in the menu, it will have dropdown list, like in Fig. 3



**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)**

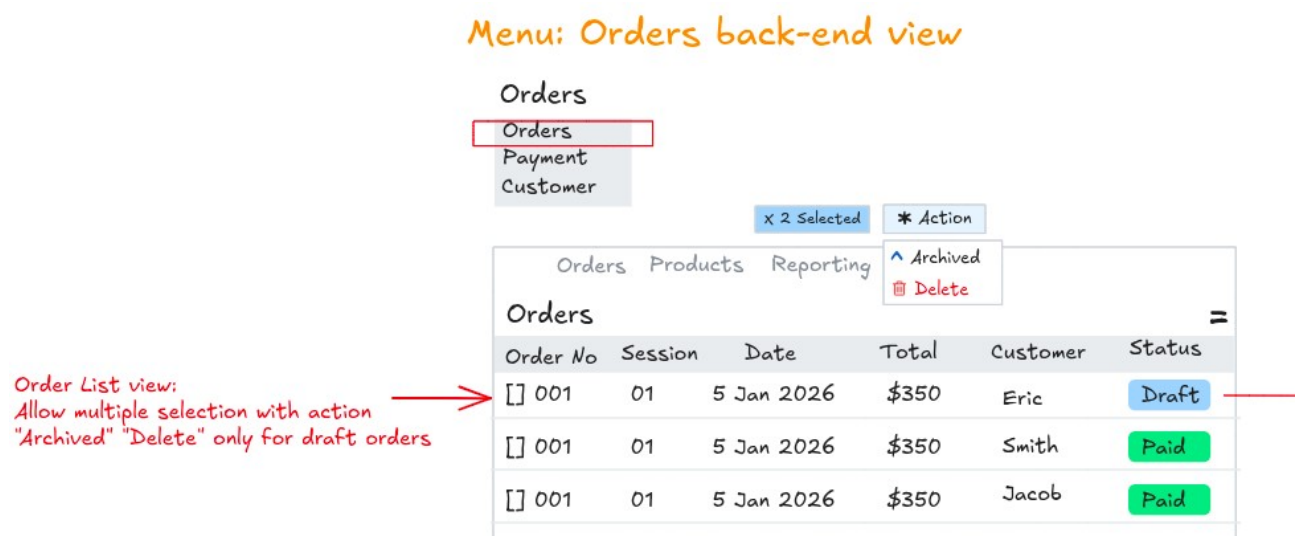
and by clicking on +New icon, it will

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



**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

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  
Payment  
Customer

Group by payment method →

Orders Products Reporting		
Payments =		
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  
Customer

Orders Products Reporting		
New Customer <input type="text" value="Search Customer....."/> =		
Name	Contact	Total Sales
[ ] Eric	✉ eric@odoo.com ☎ +91 9898989898	\$2000
[ ] Eric	✉ eric@odoo.com ☎ +91 9898989898	\$2000
[ ] Eric	✉ eric@odoo.com ☎ +91 9898989898	\$2000
[ ] Eric	✉ eric@odoo.com ☎ +91 9898989898	\$2000

List View →

**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

Country India V

DropDown all state list  
Autocomplete suggestion

**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

Prodcuts

Products

Category

Orders Products Reporting

New Products New

Product e.g Eric Smith

General Info Varint

Category Drink x V

Prices \_\_\_\_\_ KG V

Tax 5% V Unit Liter

Product Description e.g Burger with chees

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

Orders Products Reporting

New Products New

Product  
e.g Eric Smith

General Info Varint

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

New

Unit  
K.G  
Unit  
Liter

Dropdown

**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

Orders Products Reporting

Products

Product	Sale Prices	Tax	UOM	Category
<input type="checkbox"/> Burger	\$25	5%	Unit	Food
<input type="checkbox"/> Cofee	\$25	5%	6 Pack	Drink
<input type="checkbox"/> Burger	\$25	5%	Unit	Food
<input type="checkbox"/> Cofee	\$25	5%	KG	Drink
<input type="checkbox"/> Burger	\$25	5%	Unit	Food
<input type="checkbox"/> Cofee	\$25	5%	Unit	Drink Pastries

Bootstrap class with auto pick color



## Menu: Product Category back-end view

Prodcuts  
Products  
**Category**







### Product Cataegory

Orders Products Reporting

**New** Category

Click on new button will enable line below

Resequene on drag & drop this icon

Product Category	Color	
:: Quick Bites	   	
:: Food		
::		

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, Resequene 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

☐ Floor Plan

**Plan -->**

x 2 Selected \* Action

Duplicate

Delete

Floor Name

e.g: Ground Floor

Point Of Sale Restaurant Odoo Cafe V

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

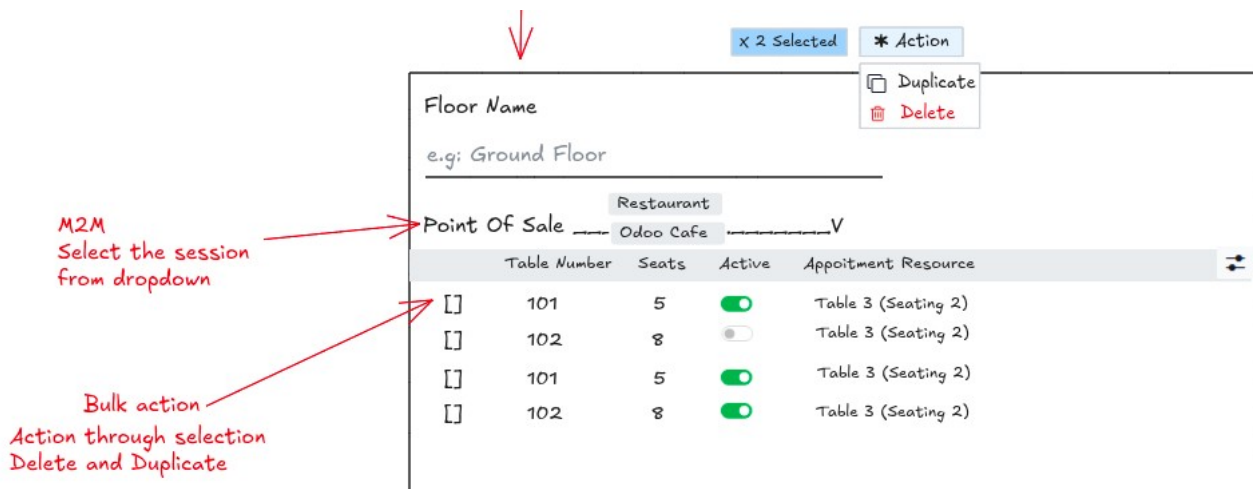
M2M Select the session from dropdown

Bulk action Action through selection Delete and Duplicate

**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



**Fig. 15: Selecting Floor Plan**

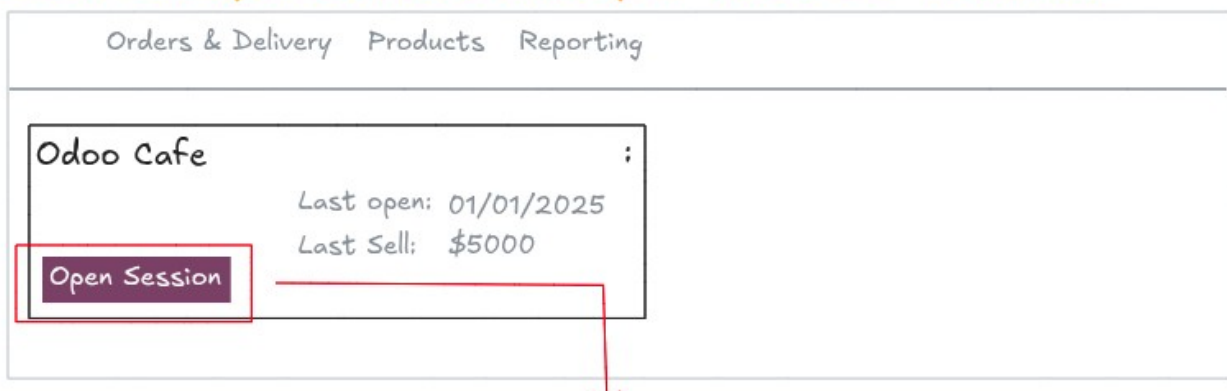
M2M Select the session from dropdown

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, Appoitment Resource. Active will have toggle switch which will indicate it that table is active or not.

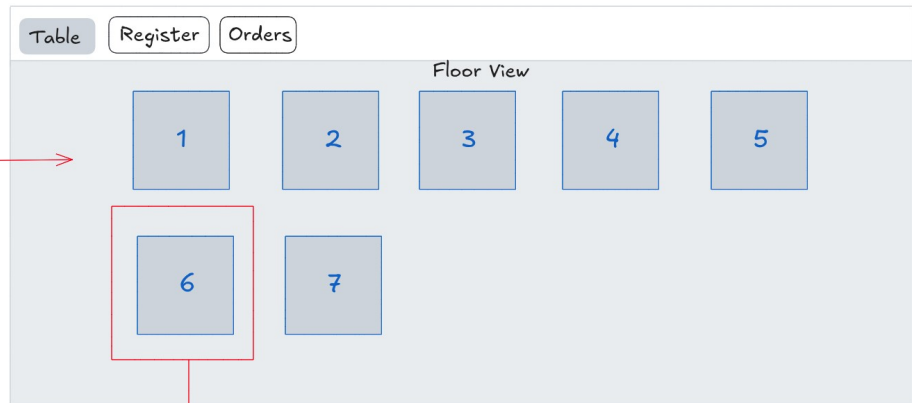
By clicking on Open session will open the POS Terminal.(Fig. 2), (Fig 16) **POS terminal screen: Floor View** will be opened

Click on Open session will open the POS Terminal.



POS terminal screen: Floor View

Table Based on the setup in the POS setting



**Fig. 16: POS terminal screen: Floor View**

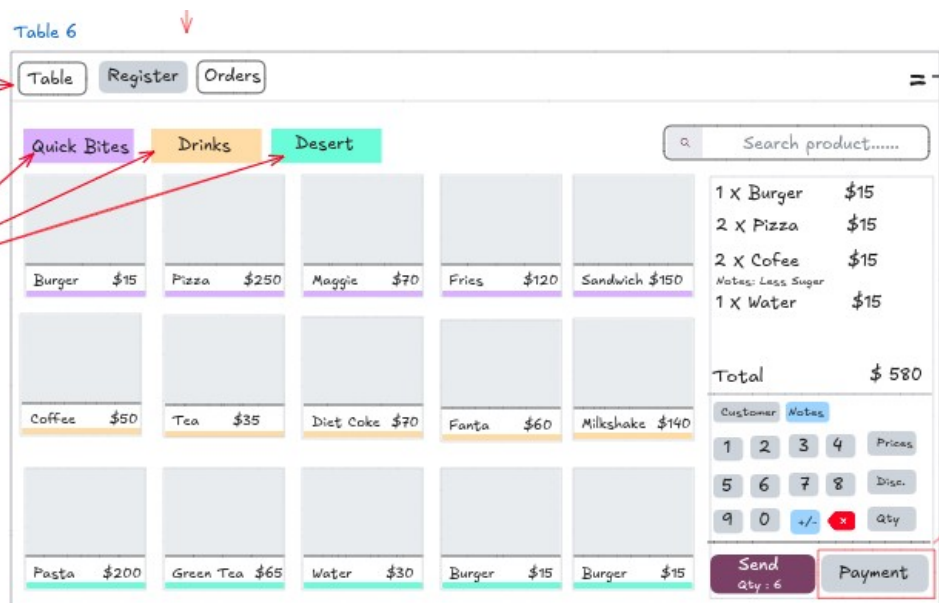
This will contain 3 tabs: Table, Register, Orders

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

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

Top Menu  
Table: Redirect to table Plan  
Register: Open screen visible here

Should filter out product on the basis of category.  
By default show all products



**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 screen (for Cash)**

The image shows a mobile app screen titled "Payment". At the top, the amount "\$ 13,659.92" is displayed in green. Below this, there are two input fields: "Cash" with the value "\$12000" and "Card" with the value "\$1365.92", both followed by a red "x" icon. Below these are three buttons: "Cash", "Digital (Bank, Card)", and "UPI". The "UPI" button is highlighted in grey and has a red arrow pointing to it. Below the buttons is a red text label "Is Invoice" followed by a red "[ ]". At the bottom is a large purple button labeled "Validate".

-

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 dissappeared screen, redirect to floor view

**Fig. 19: Amount Paid**

The image shows a mobile app screen with a light blue background. At the top is a button labeled "Logo". Below it, the text "Amount Paid \$580" is displayed in a large, bold font. At the bottom are two buttons: "Email Receipt" and "Continue".

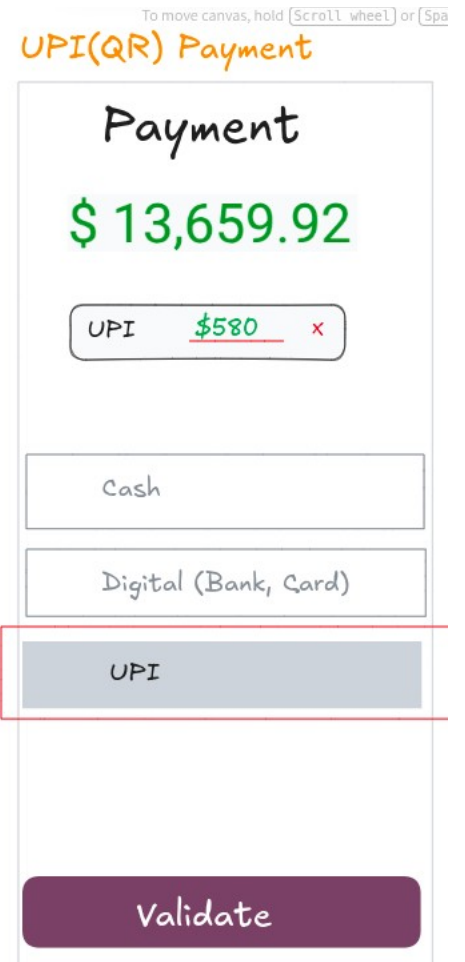
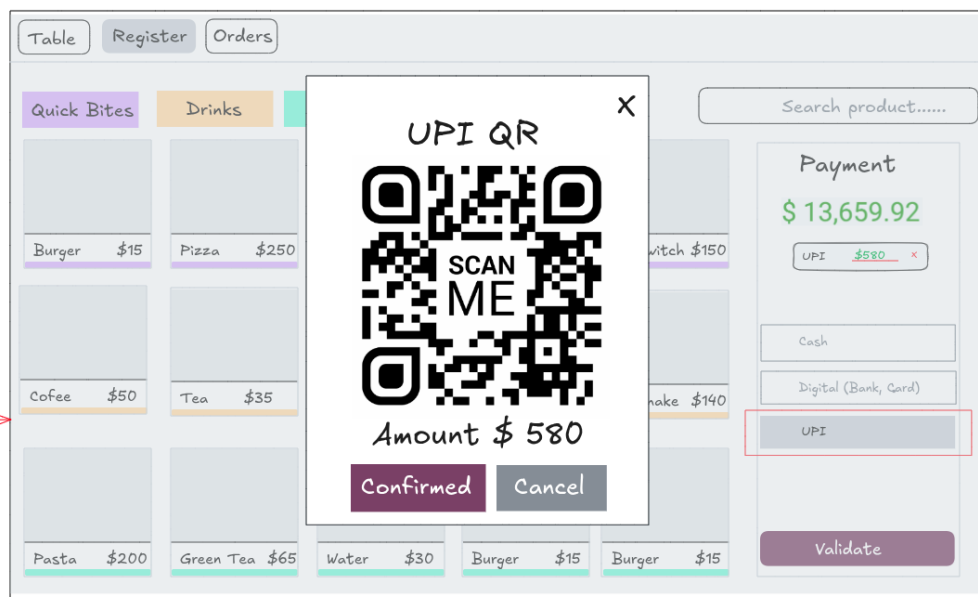
**Payment confirmation screen, click on anywhere or Continue, here will dissappeared screen, redirect to floor view**

**And if User selects UPI(QR) Payment method,**

**Fig. 20: Payment Validate screen (for UPI)**

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

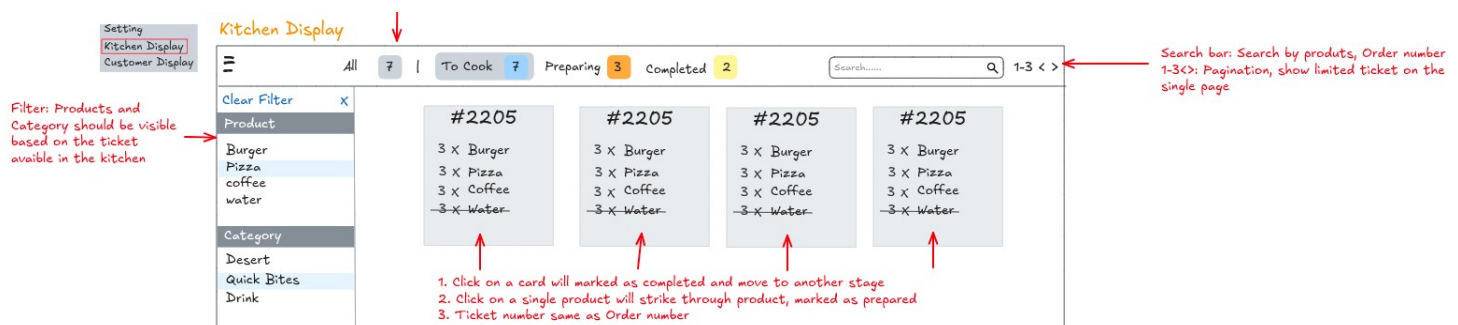
UPI Payment: QR will created based on the UPI ID defined in the POS setting



**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 marked 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

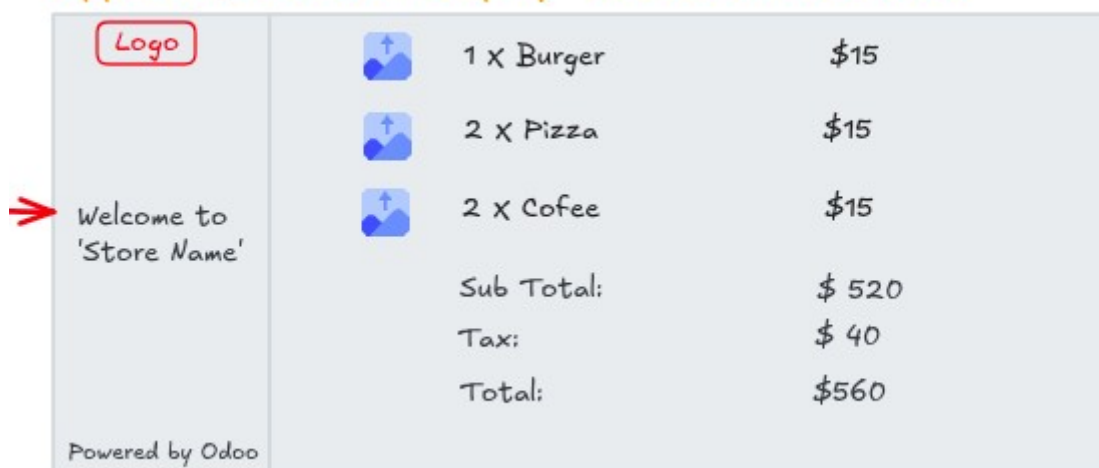
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Now, if we select Customer display from Fig. 2: Setting,

### Customer facing display



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



**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**.

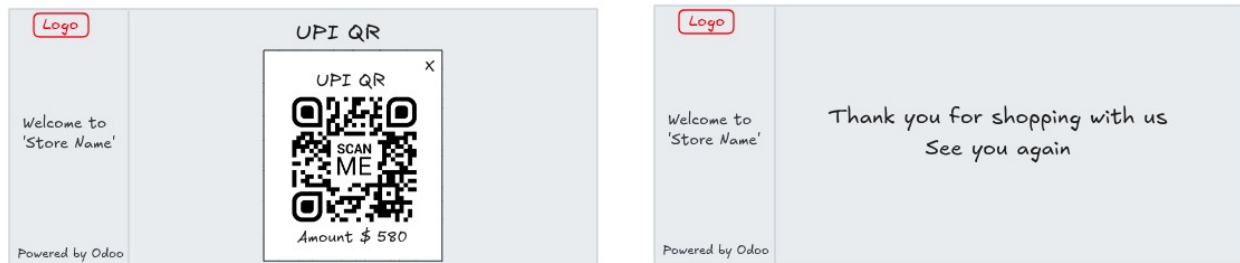


Fig. 24: QR and Payment

And if clicked on Settings, Mobile order,

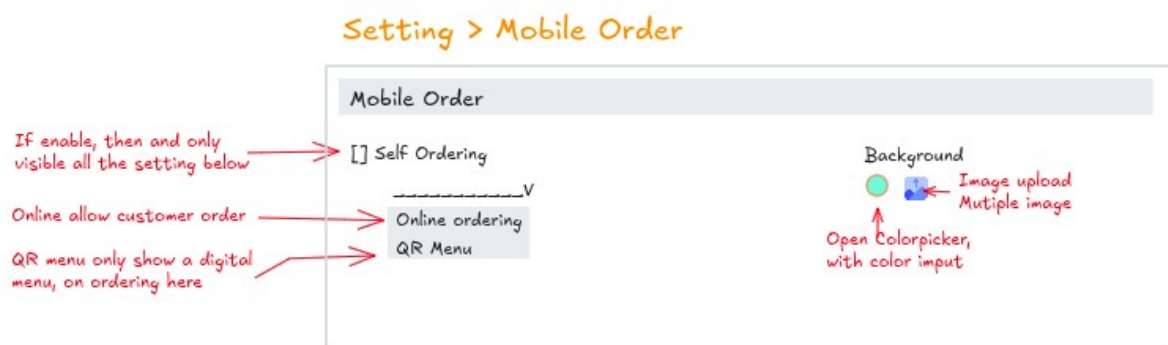


Fig. 25: Mobile Order

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 Multiple 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/asdfghhijkl

e.g abcd.com/s/asdfghhijkl

↑      ↑      ↑

Domain   Self   Unique token  
auto create  
linked with table

When select Online Ordering will enable following settings

Create a webpage use database URL  
with append token post URL  
e.g. abcd.com/s/asdfghhjk  
↑     ↑     ↑  
Domain Self Unique token  
auto create  
linked with table

Mobile Order

☐ Self Ordering

Online ordering ☒

Preview Webpage -->

Download QR code -->

Payment Method ☐ Pay at counter

Background

☒ Image 1

☐ Image 2

☐ Image 3

As we have only option  
Enable it by default  
and read only

-  
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

Mobile Order

☐ Self Ordering

QR Menu ☒

Preview Webpage -->

Download QR code -->

Background

☒ Image 1

☐ Image 2

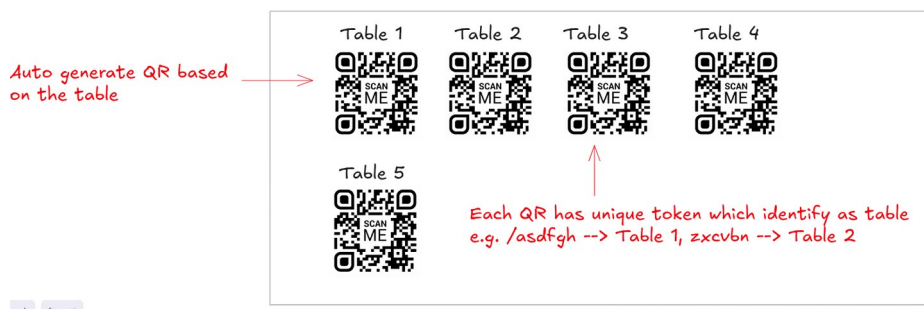
☐ Image 3

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, zxcvbn --> Table 2

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



### 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,**

## Menu: Reporting, Dashboard

Reporting  
Dashboard

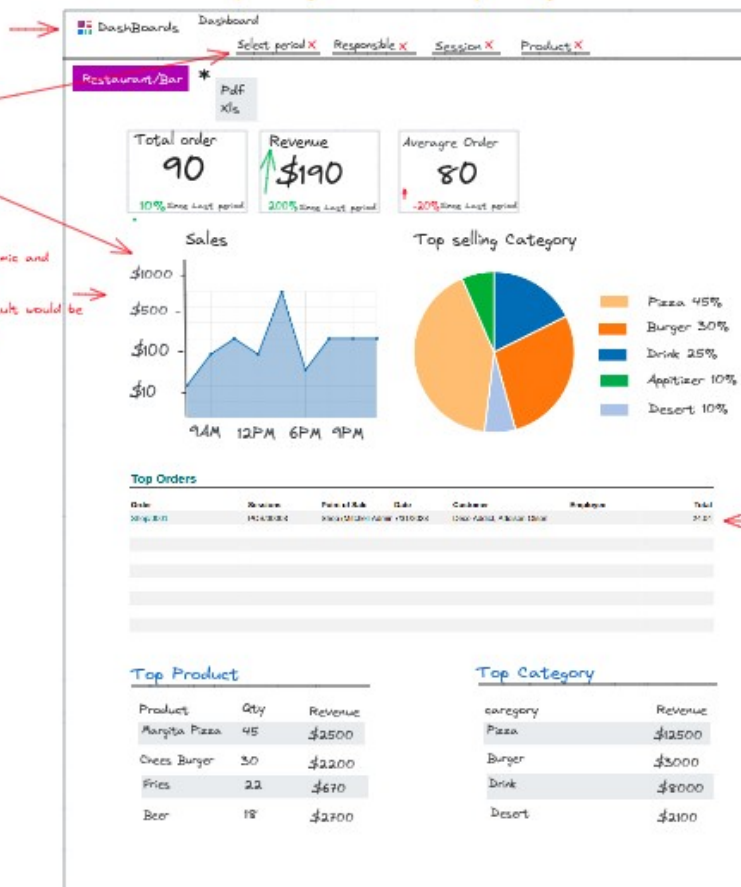
### DashBoard Reporting: Real time reporting based on selection

Click here will redirect to home screen

Duration:  
Today  
Weekly  
Monthly  
365 Days  
Custom

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

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



Top Order, high amount, among available orders

**Fig. 28: Dashboard Reporting**

**DashBoard Reporting: Real time reporting based on selection**

Clicking on the Dashboard icon, will redirect to home screen

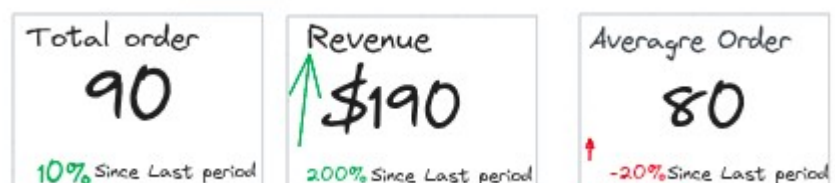
### Reporting Filters (Purpose)

- **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



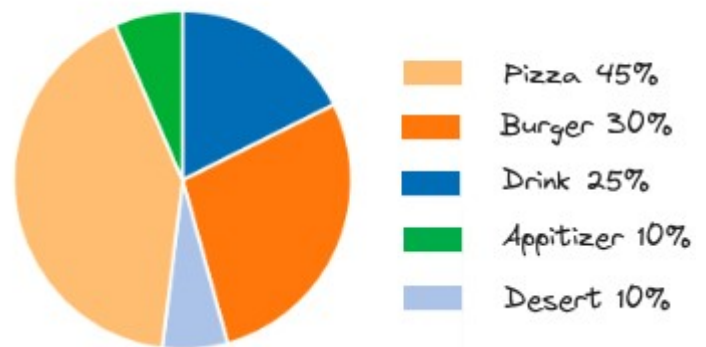
Ex1: Select "Monthly" then the result would be \$XX number in vertical axis and Time in horizontal

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

Then **Top Orders** details,  
Top Order, high amount among available orders

**Top Product**  
**Top Category**

Top selling 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**