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**

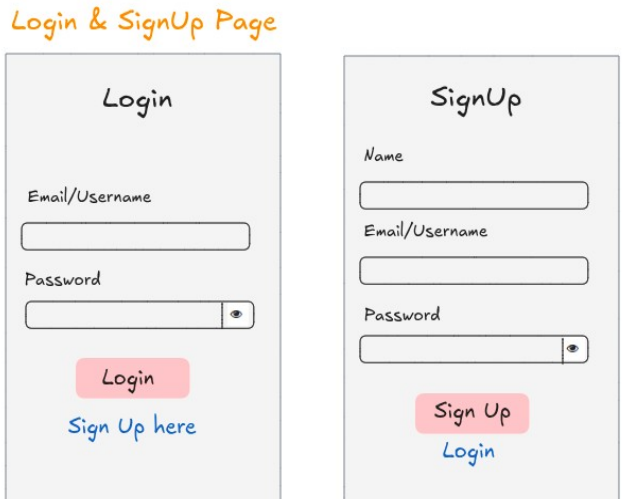
1. Project Overview
This hackathon project is a Restaurant POS (Point of Sale) system called “Odoo Cafe POS”, designed to handle:

● 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

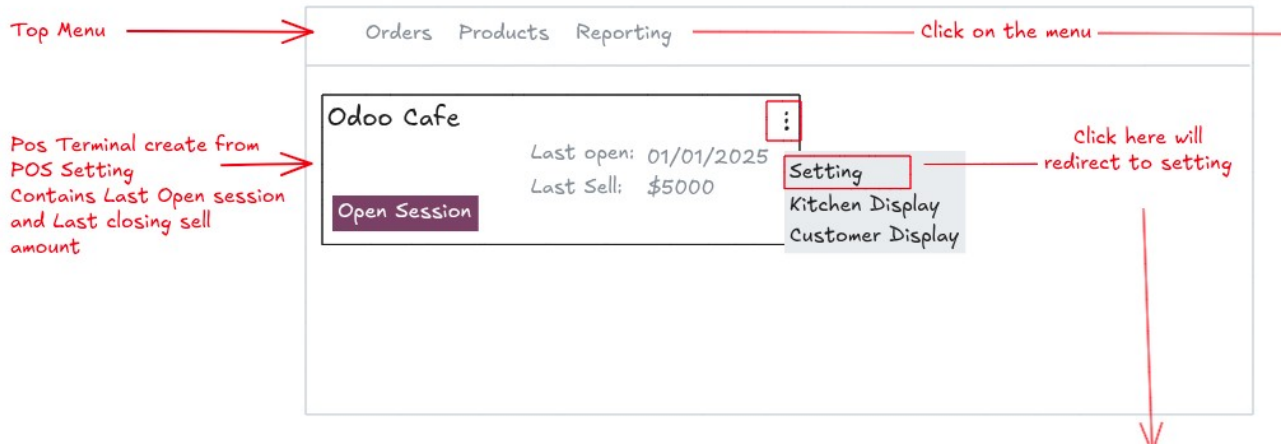
Goals & Scope
Main Goal
Build a complete POS flow including backend setup and frontend ordering.
Key Outcomes
● Cashier can open a POS session and start taking orders
● Orders can be paid using different payment methods
● Order details can be pushed to kitchen screen
● Dashboard/reporting shows sales 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



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
alsi, 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,

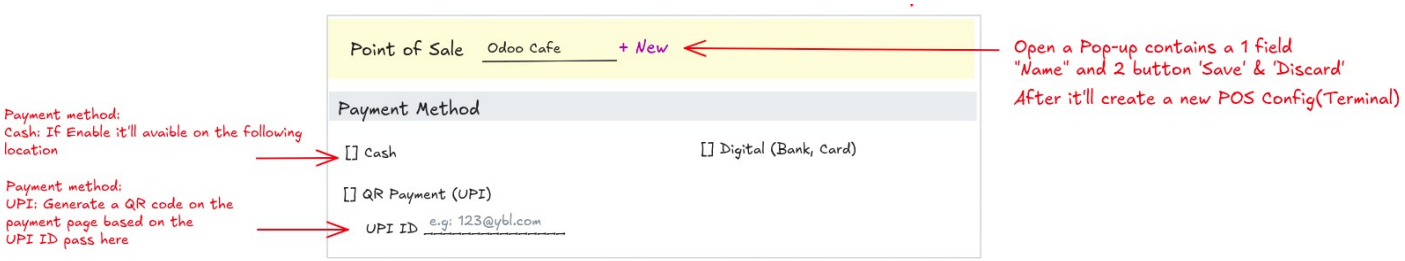


Fig. 4: Point of Scale screen, which will show three payment method options, in which we can choose any one of them,

Payment method:
Cash: If Enable it'll avaible 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

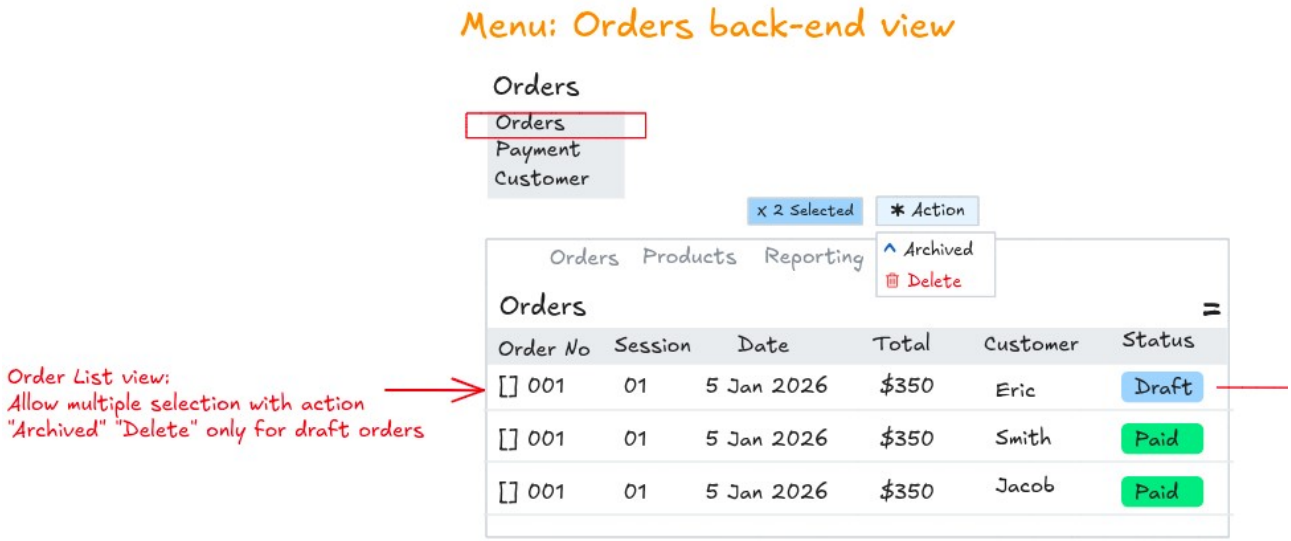


Fig. 5: Menu: Orders back-end view

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,

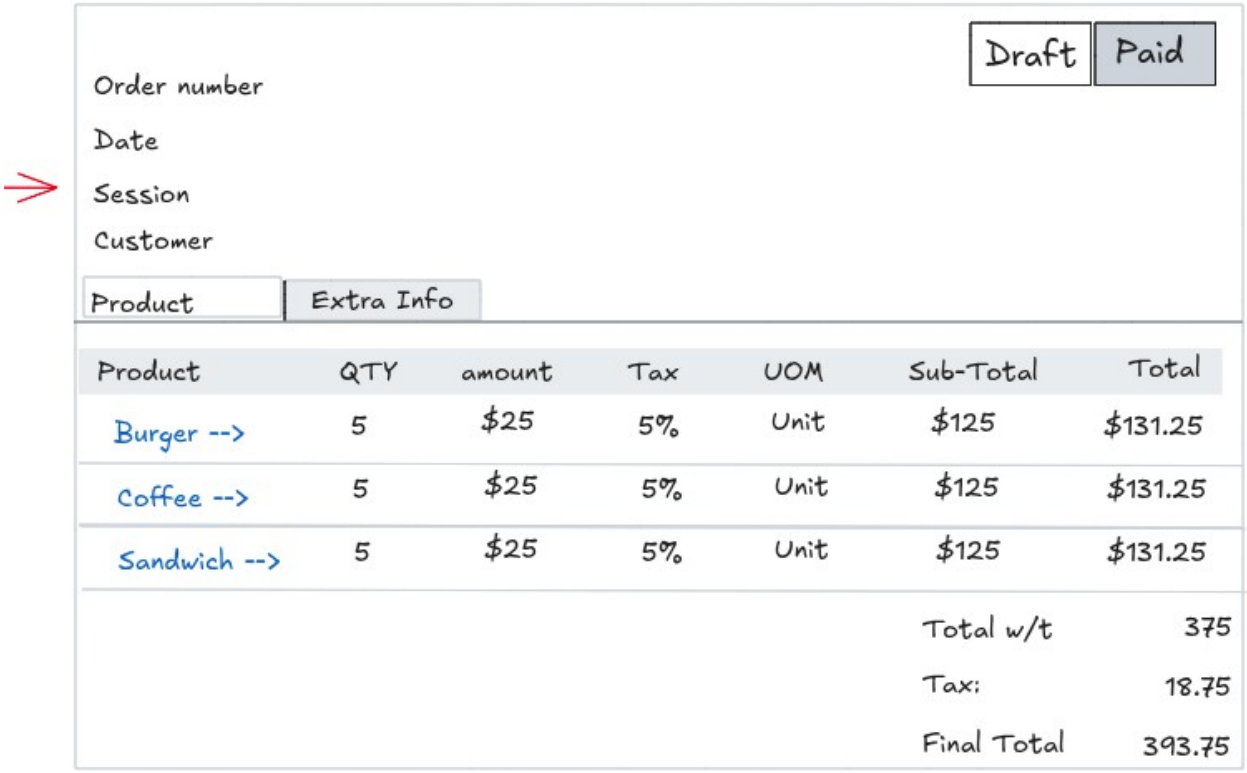


Fig. 6: Order View
It will display Order number, Date, Session, Customer
and toggle view between **Product** and **Extra info**, for example if clicked on Product, then it will display these columns, Product, QTY, amount, Tax, UOM, Sub-total, Total
and if clicked on Extra Info, then it will display the 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

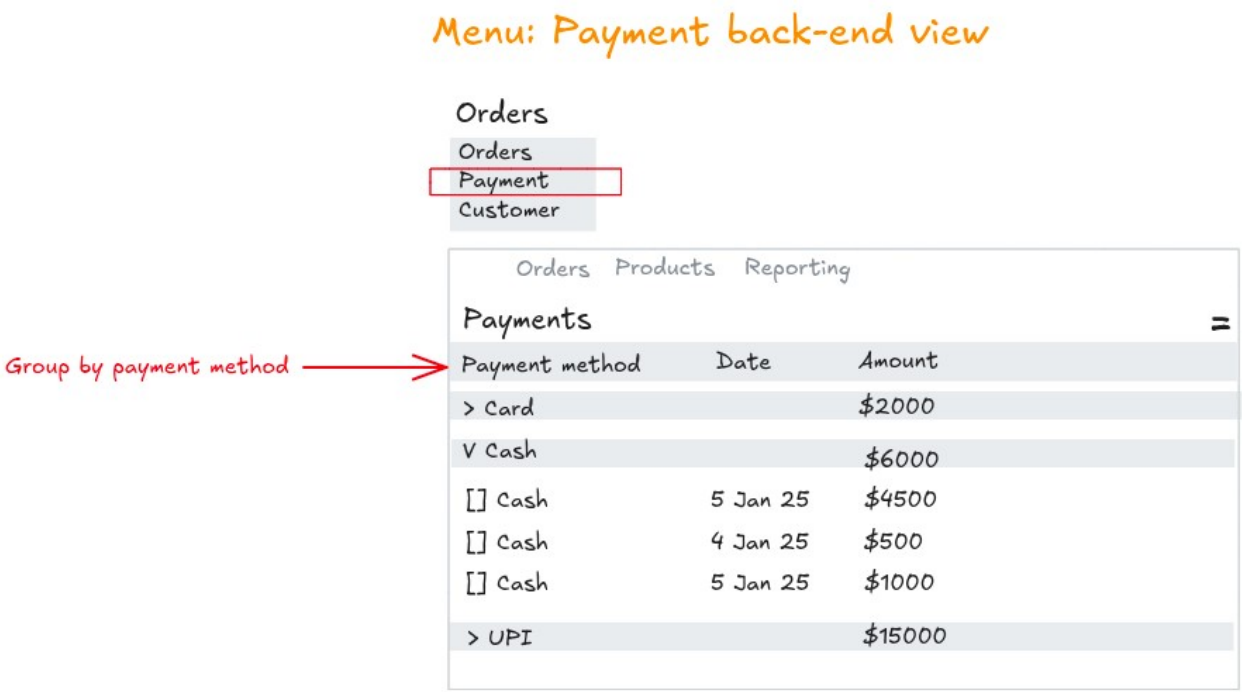


Fig. 7: Menu: Payment back-end view
Group by payment method
it will have these three columns, Payment method, Date, Amount

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

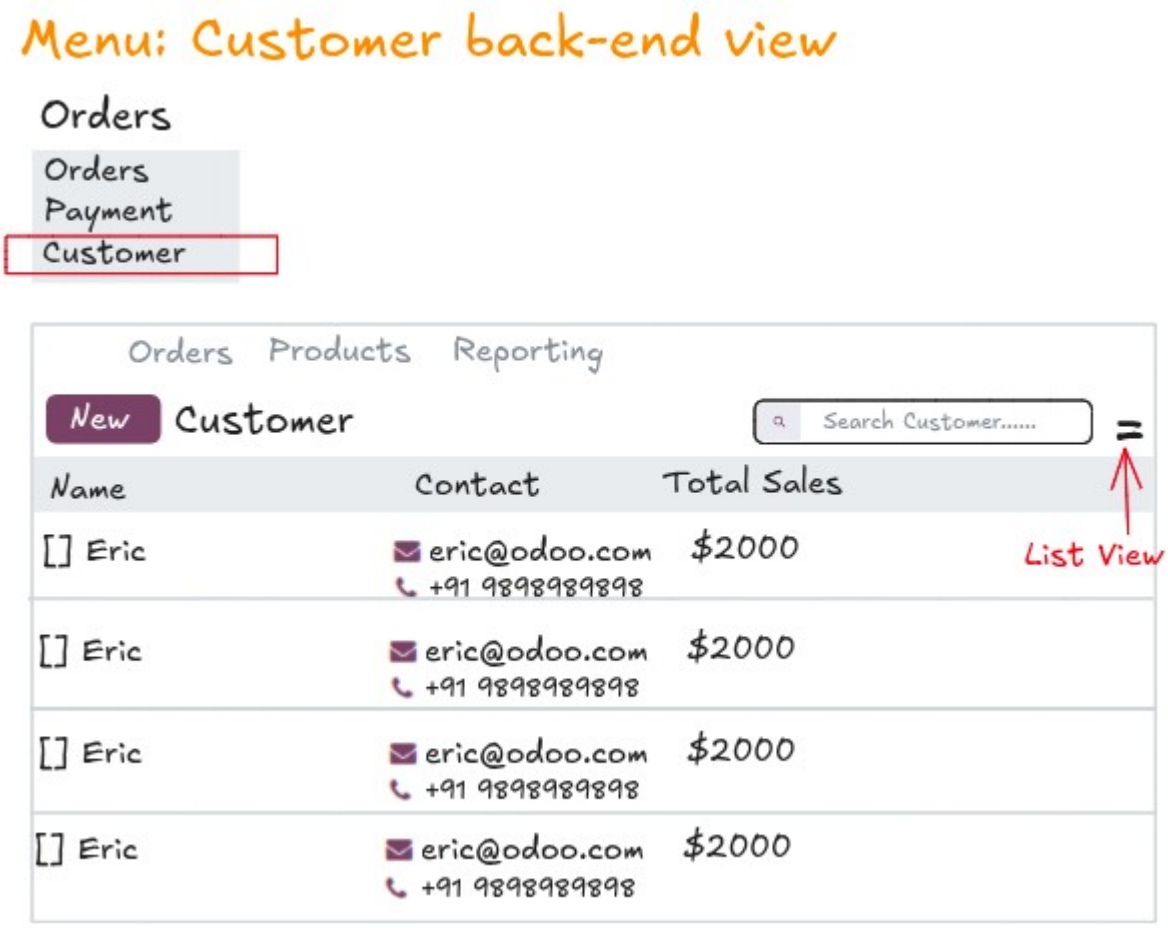


Fig. 8: Menu: Customer back-end view

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

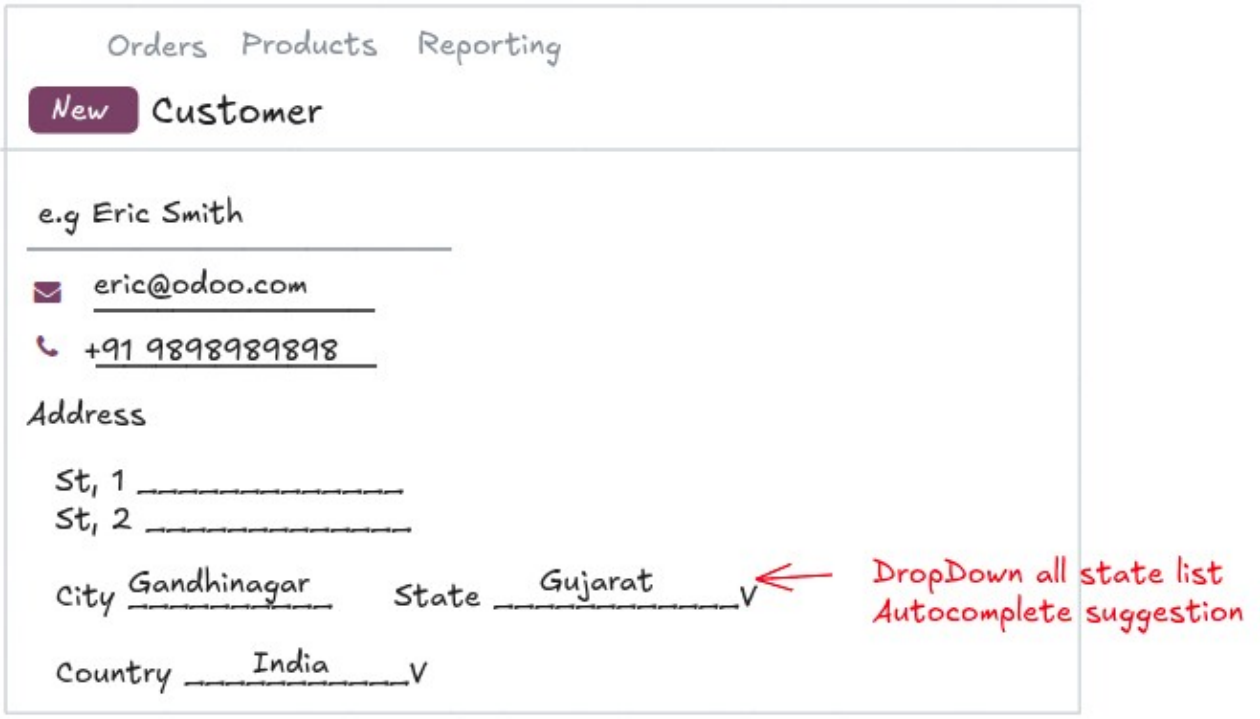


Fig. 9: New Customer
The following details will be asked as input from the user, and the State, and Country will have dropdown menu to be choosed by the customer

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

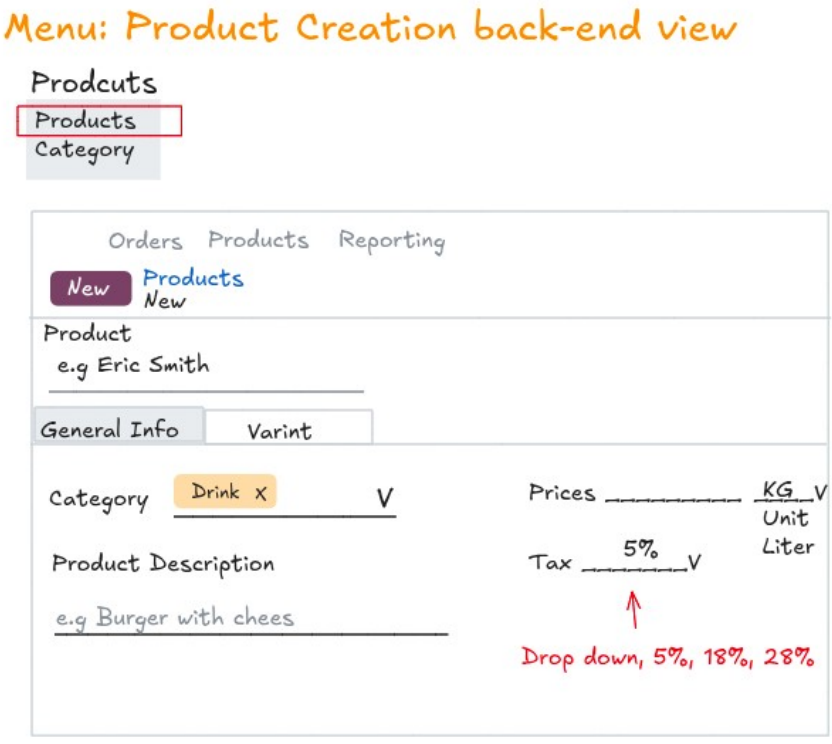


Fig. 10: Menu: Product Creation back-end view
it will contain two tabs General Info, and Variant tab,
show the general information as shown in the Fig. 10

and this is the Variant tab,

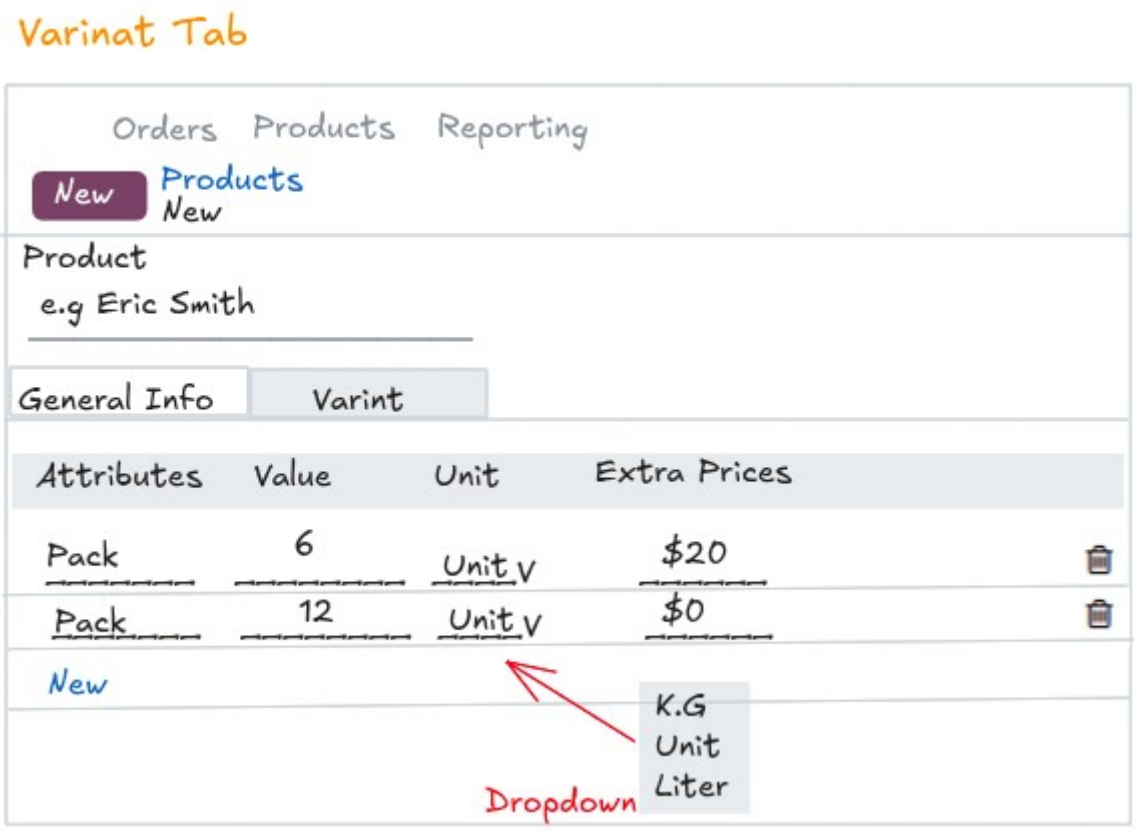
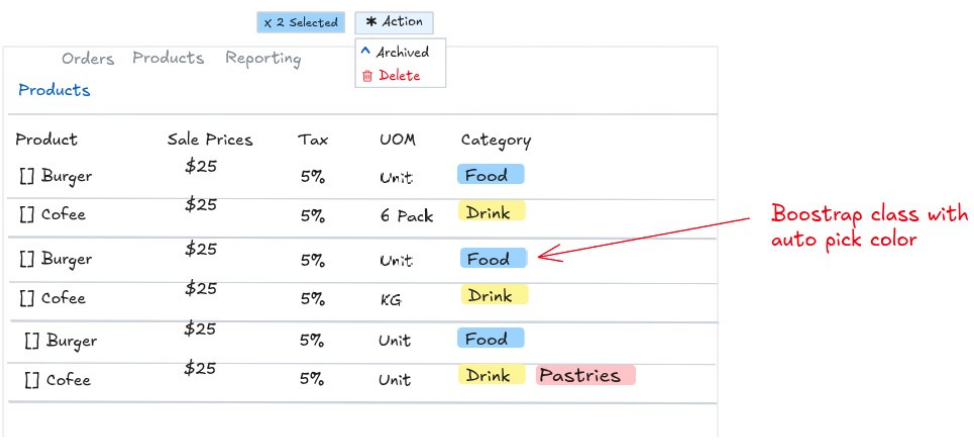


Fig. 11: Varinat Tab
It will show the Variants as per the customer adds,
in that there will be also New button, which will ask customer to add that, and after adding variants, it should be displayed in the Variants tab,
The unit column would be having dropdown list like K.G, Unit, Litre
Also there would 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, Boostrap class with auto pick color



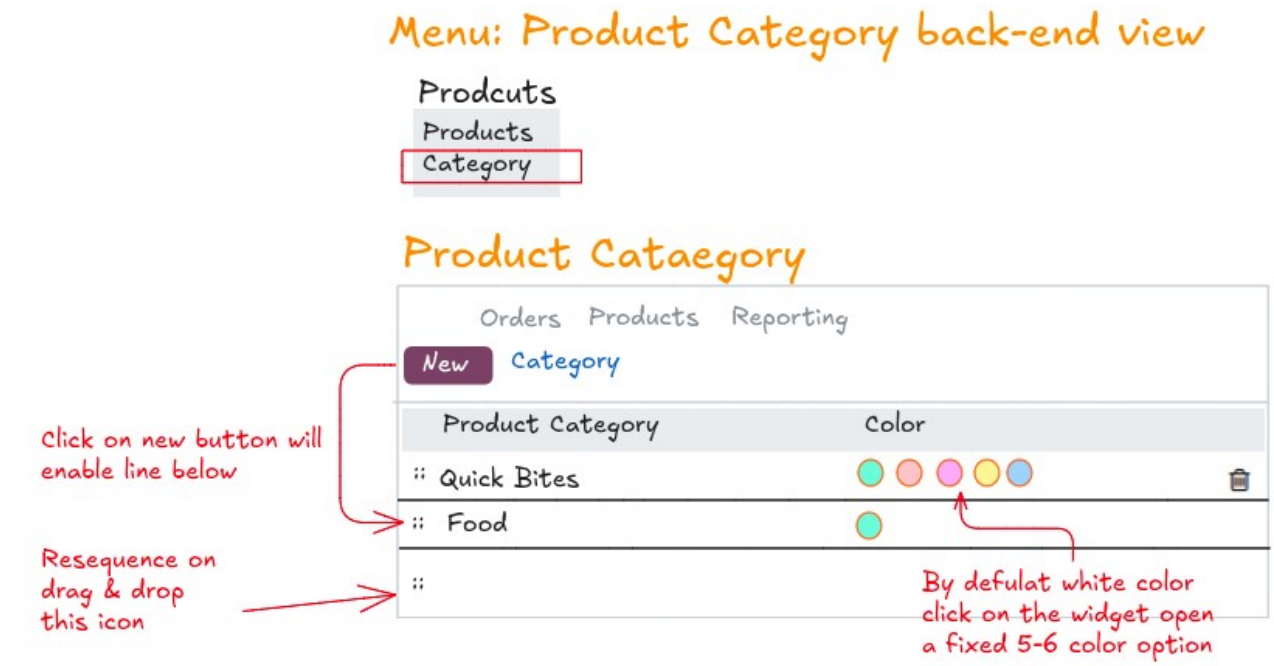


Fig. 13: Menu: Product Category back-end view
Click on new button will enable line below
By clicking on the four dots, Resequence on drag & drop this icon
By defulat white color click on the widget open a fixed 5-6 color option
and an icon of dustbin to delete

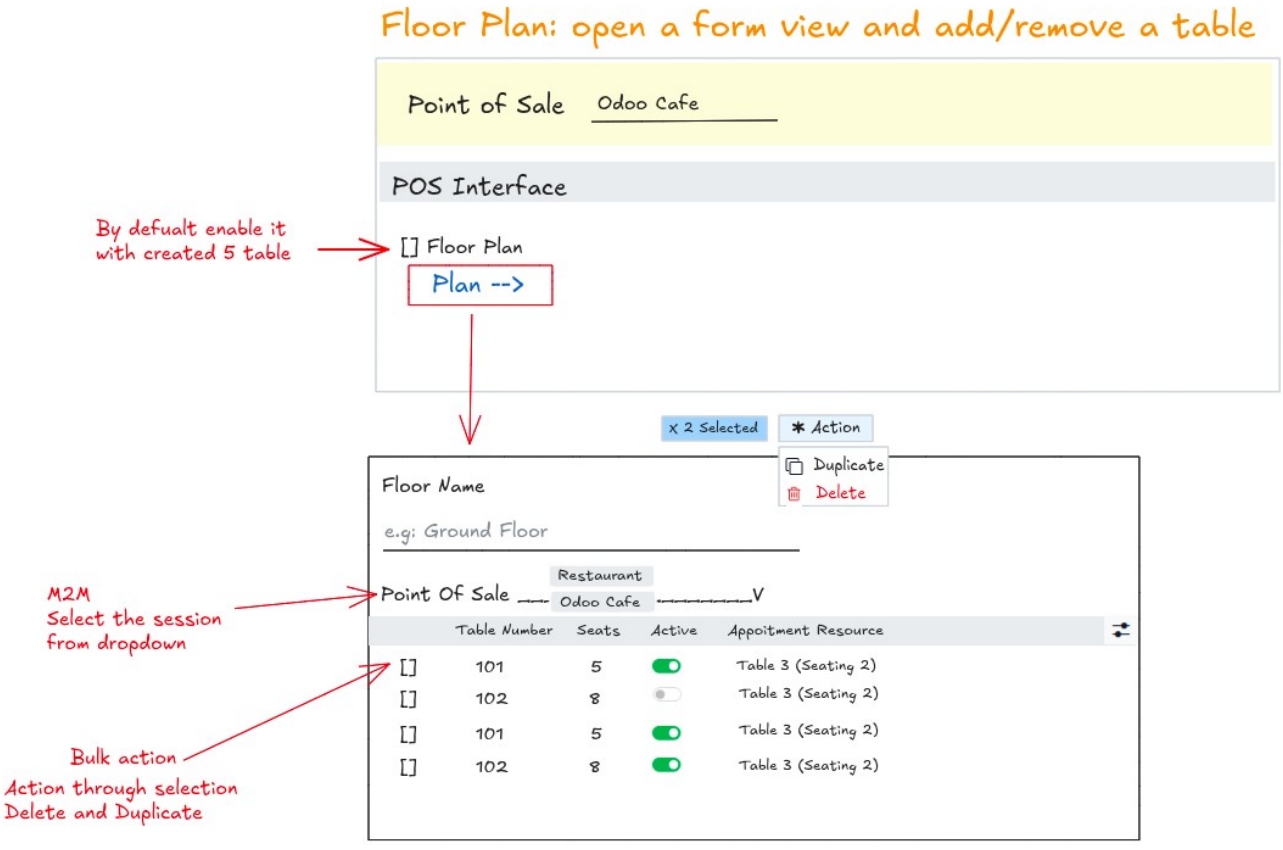


Fig. 14: Floor Plan: open a form view and add/remove a table

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

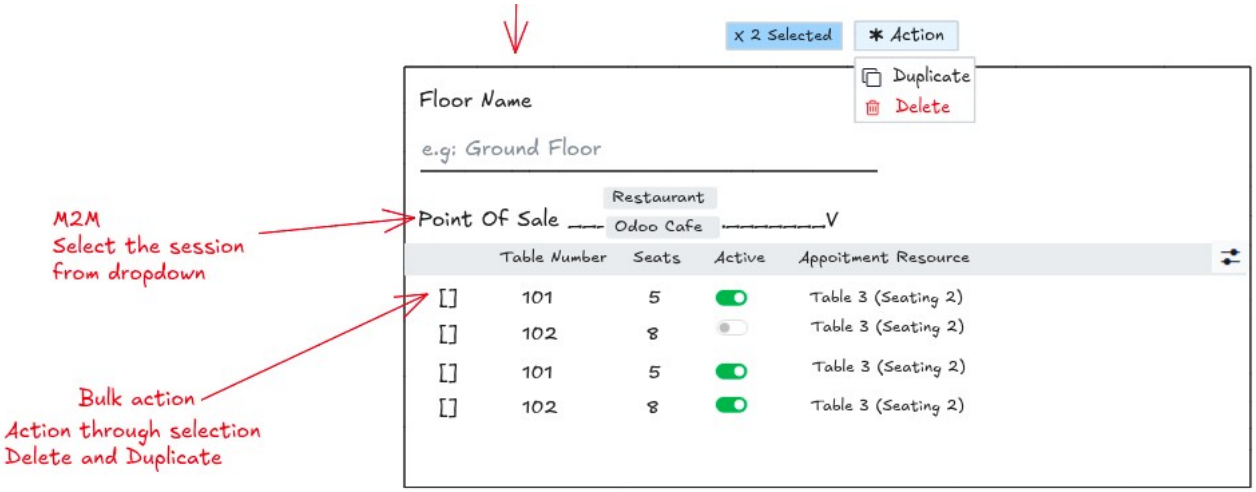
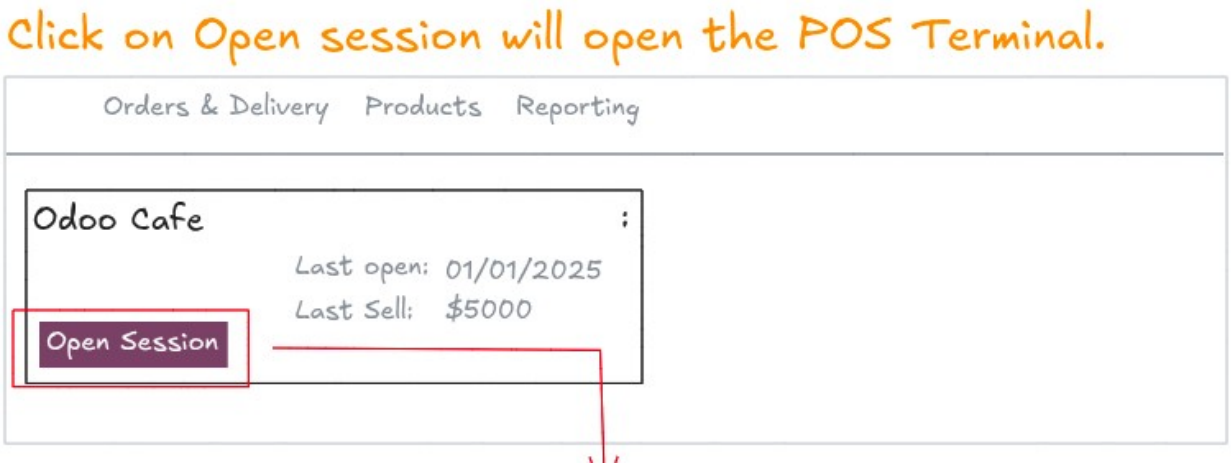


Fig. 15: Selecting Floor Plan

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, 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



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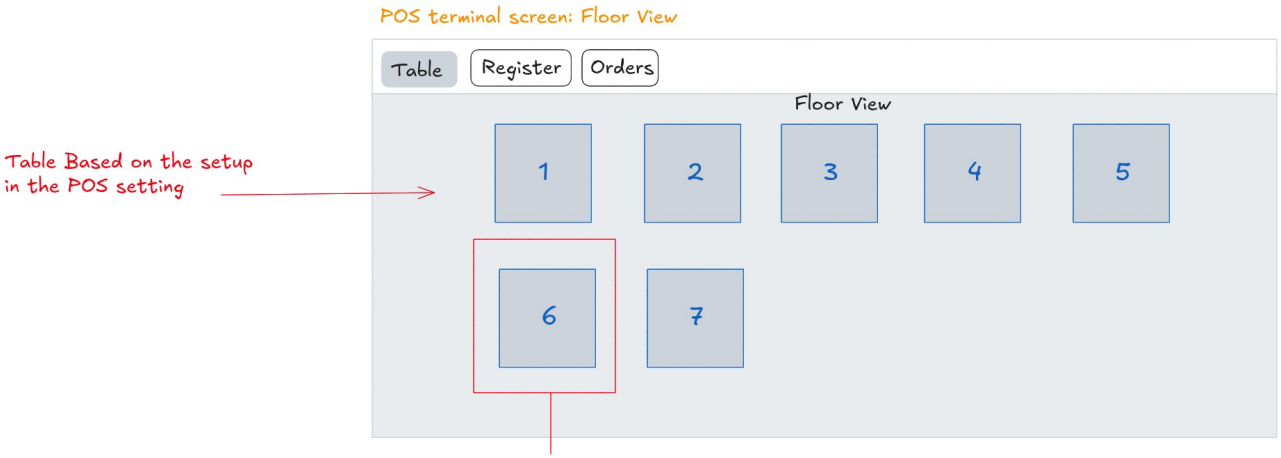


Fig. 16: POS terminal screen: Floor View
This will contain 3 tabs: Table, Register, Orders

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

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

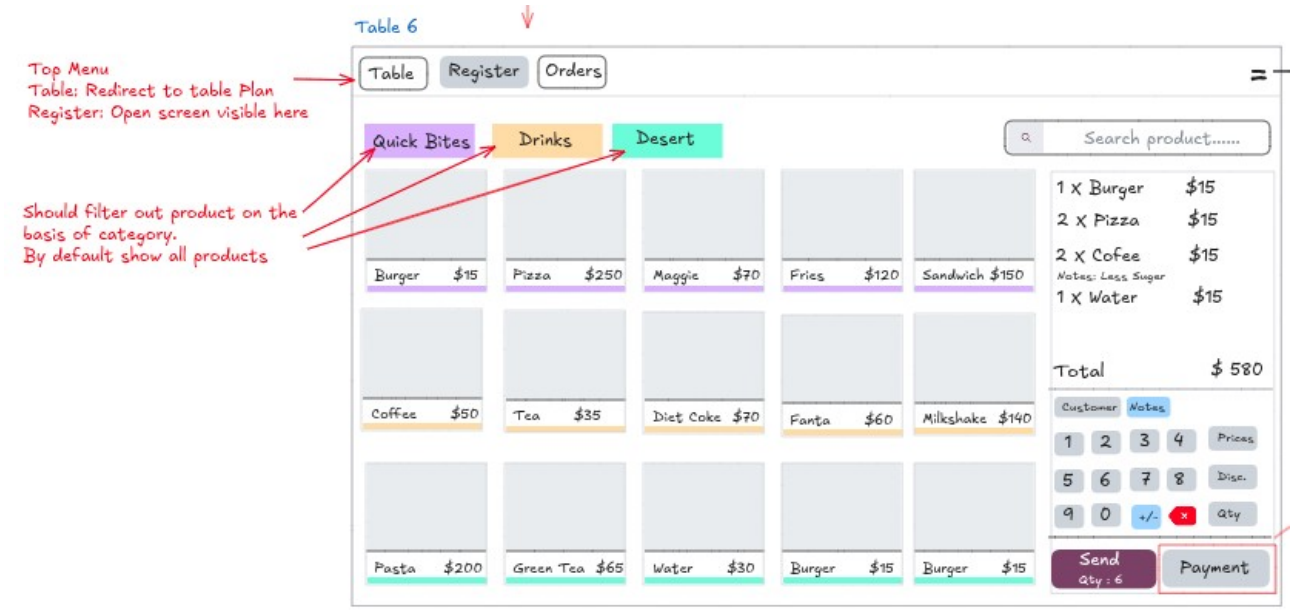


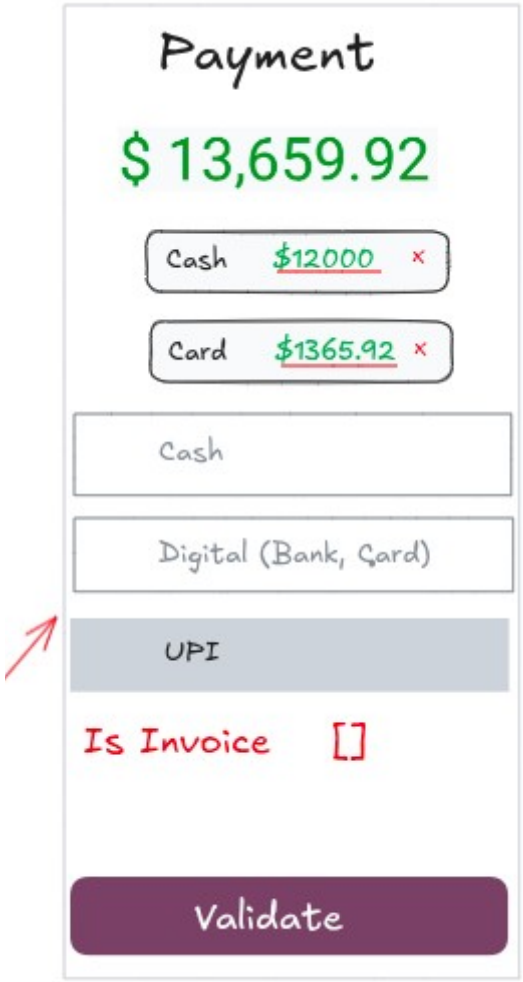
Fig. 17: Specific Table View Details
This will automatically switched to Register tab,
Top Menu Table: Redirect to table
Plan Register: Open screen visible here
Also, on the top right corner, there is a list dropdown, for **Reload Data**, **Go to Back-end**, **Close register**
if Register tab,
Should 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)



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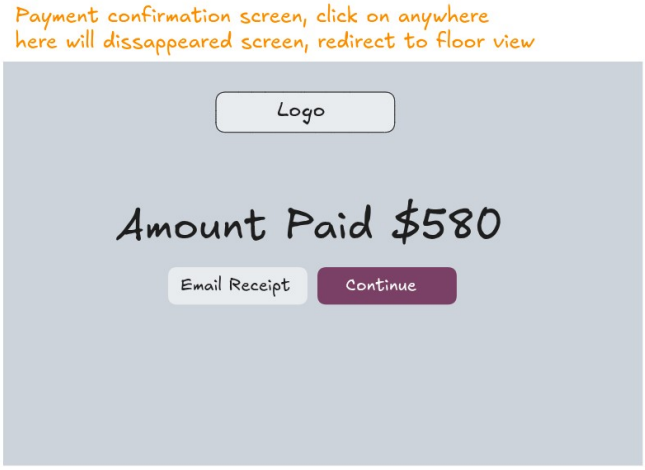
this will let the user choose the mode of payment, Cash, Digital(Bank, Card) and UPI
and at the last there is a button “Validate”, if clicked on Validate, it will follow the chosen mode of payment and the show this screen. It will have an option for Email receipt, and Continue

Fig. 19: Amount Paid



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 screeen (for UPI)

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

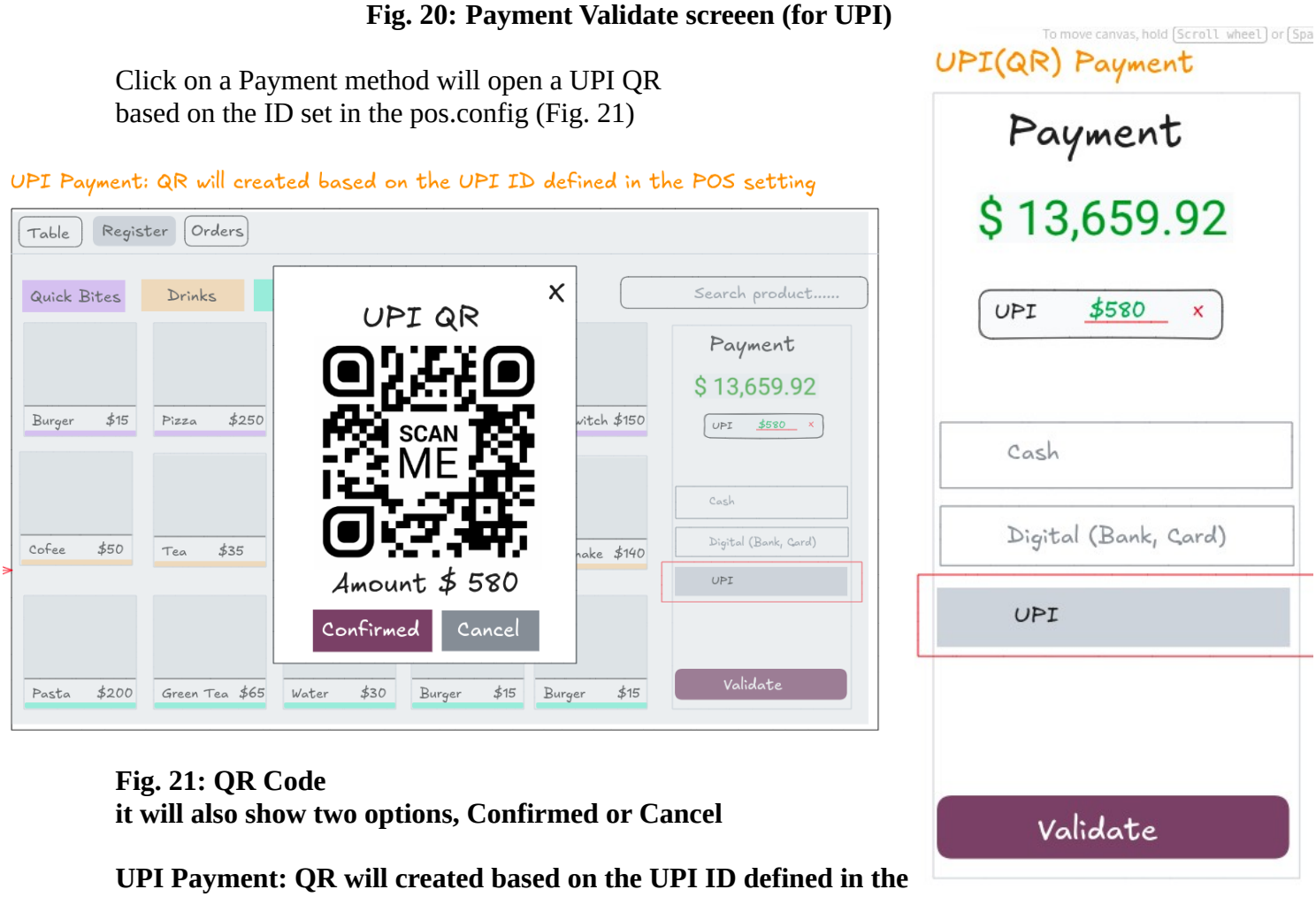


Fig. 21: QR Code
it will also show two options, Confirmed or Cancel

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

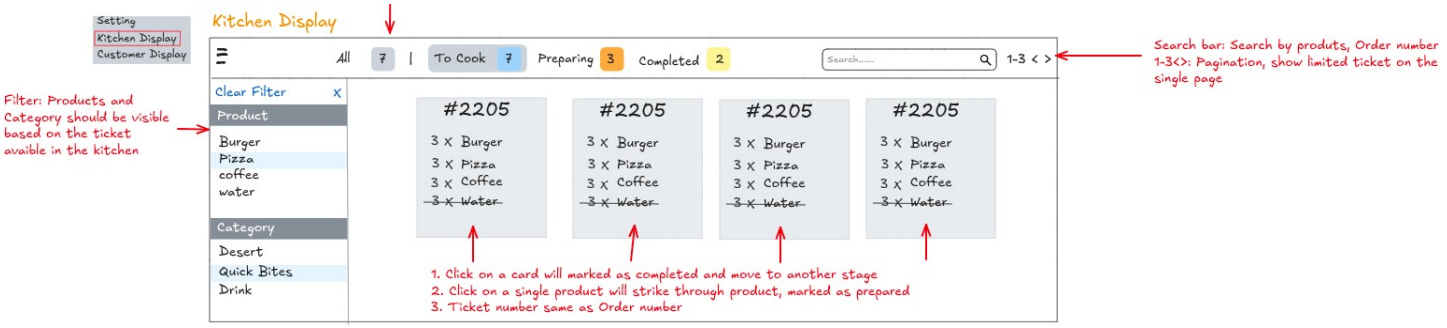


Fig. 22: Kitchen Display

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

And a Search bar: Search by produts, 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 avaible in the kitchen

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

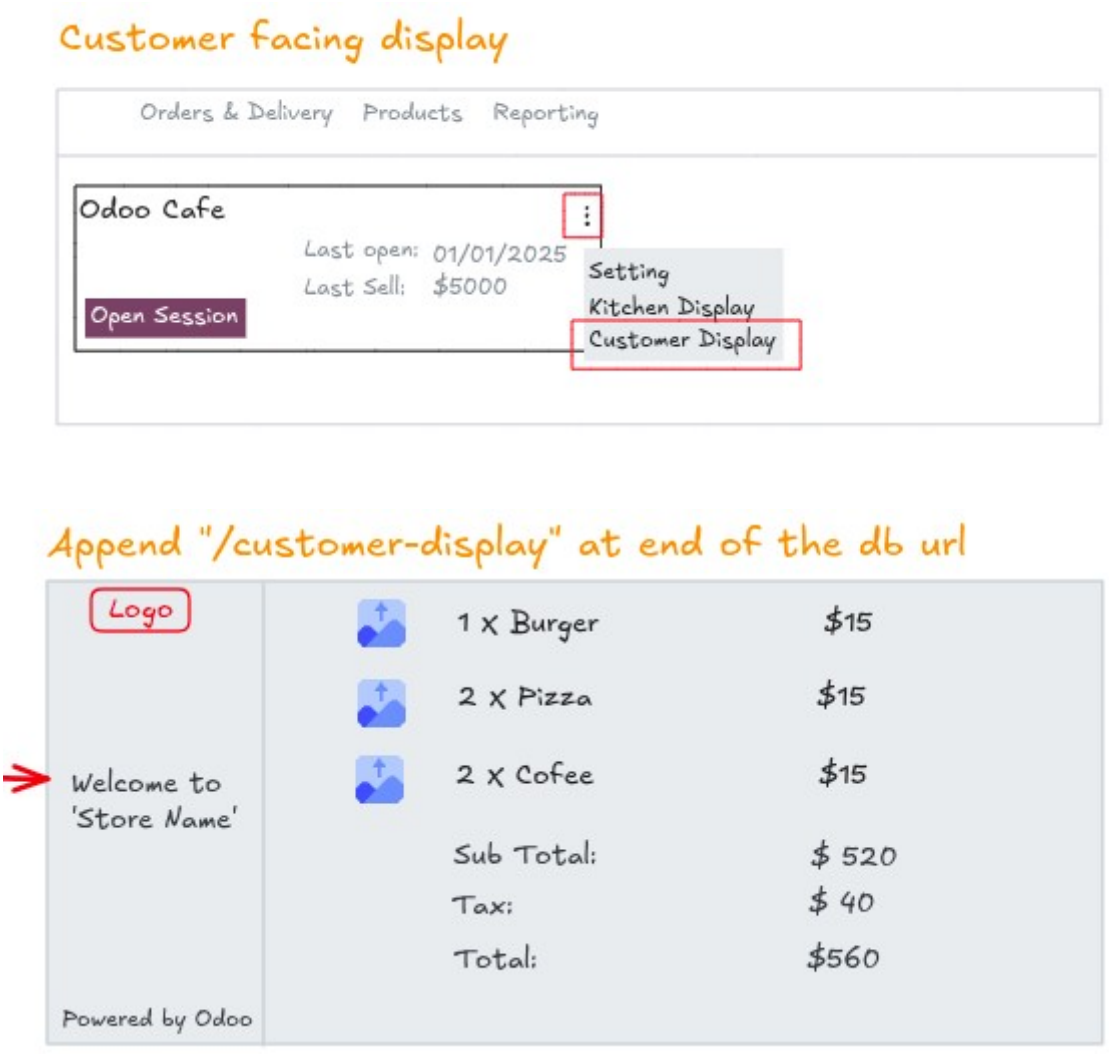


Fig. 23: Customer Display
Append "/customer-display" at end of the db url

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 currosponding images, and their corresponding prices, and then **total price**, with **Tax** included, and then the **Grand Total.**

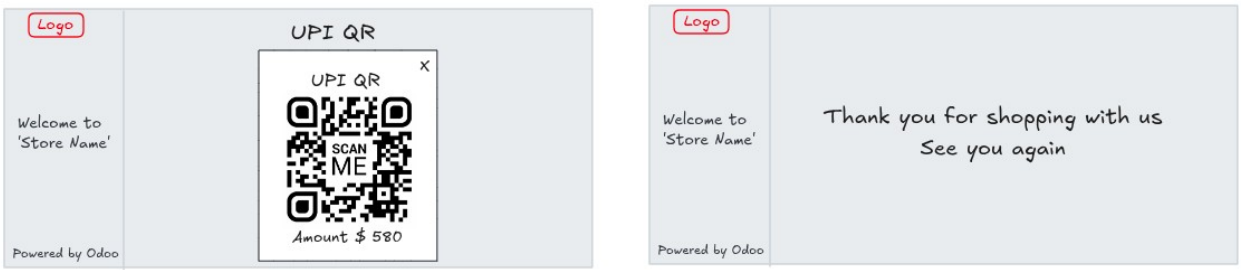


Fig. 24: QR and Payment

And if clicked on Settings, Mobile order,

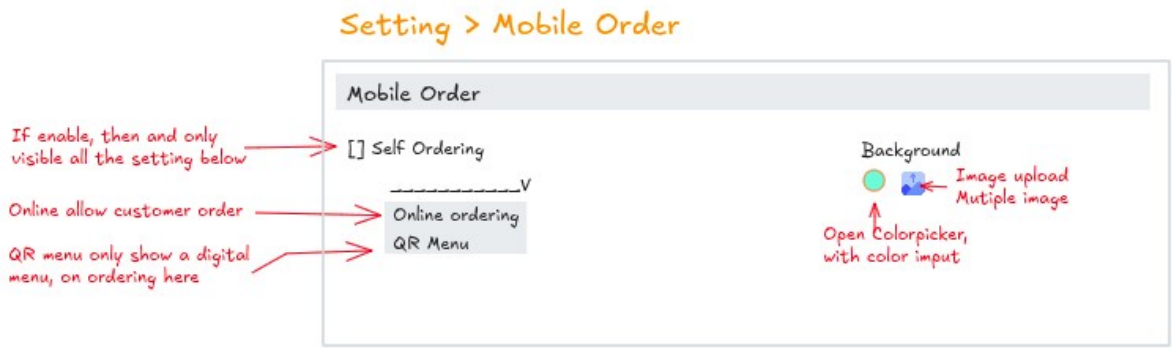


Fig. 25: Mobile Order

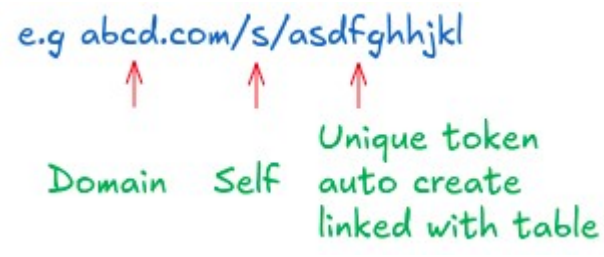
Self Ordering: If enable, then and only visible all the setting below
and a dropdown list containing two options:

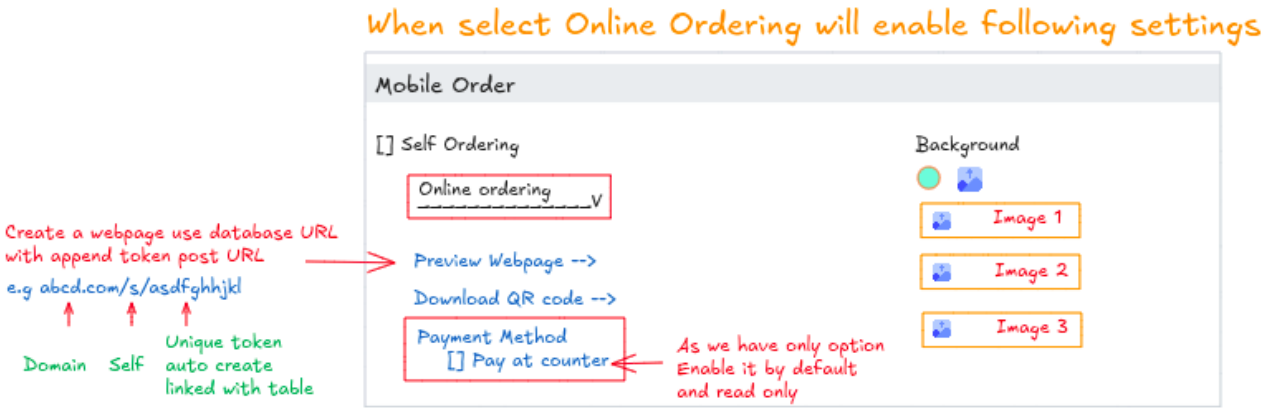
1. Online allow customer order

2. QR menu only show a digital menu, on ordering here
And for the Background, Open Colorpicker, with color imput
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





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When selected QR menu

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

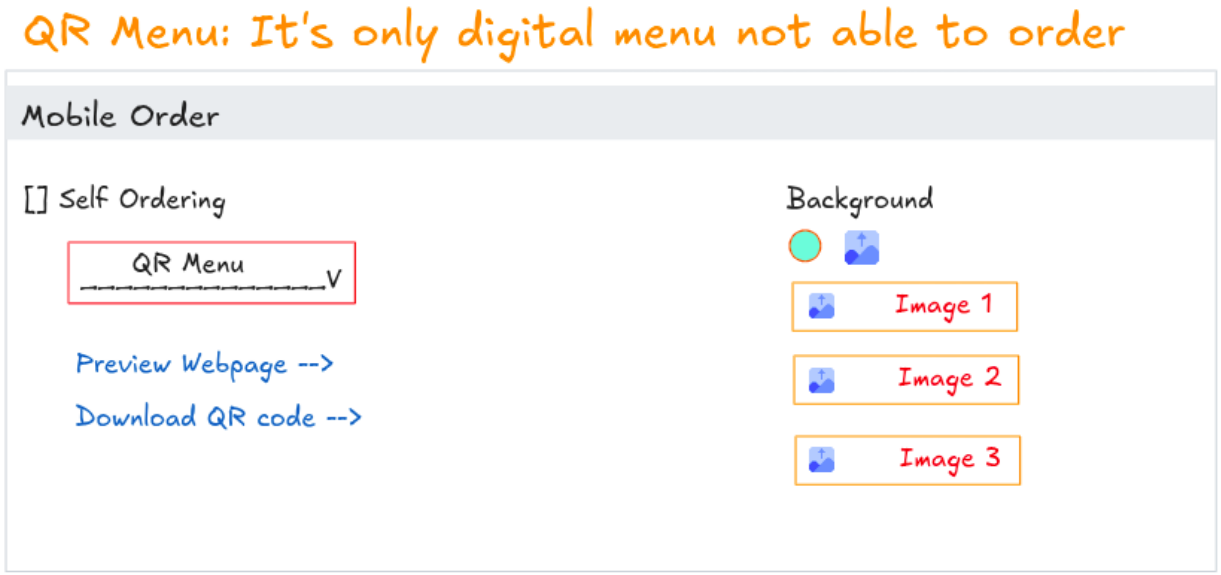
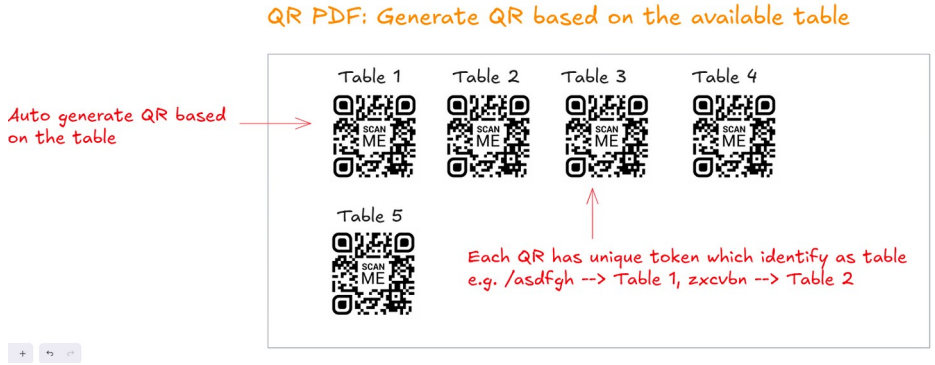


Fig. 26: QR Menu

Download QR code, will show the following screen,

Fig. 27: 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

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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,**

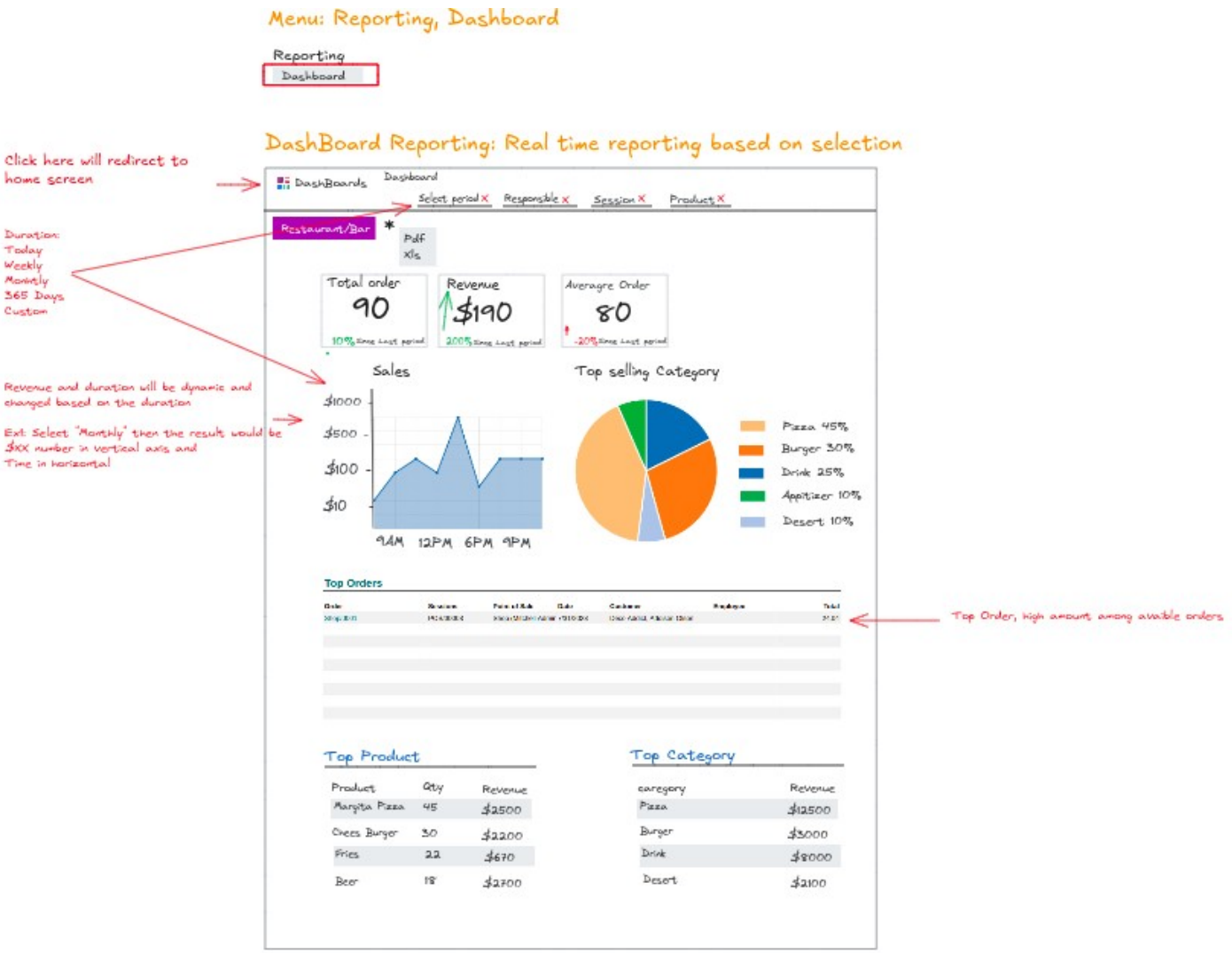


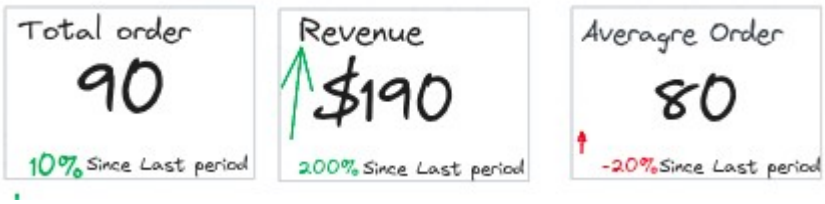
Fig. 28: Dashboard Reporting
DashBoard Reporting: Real time reporting based on selection

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, Monhtly, 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

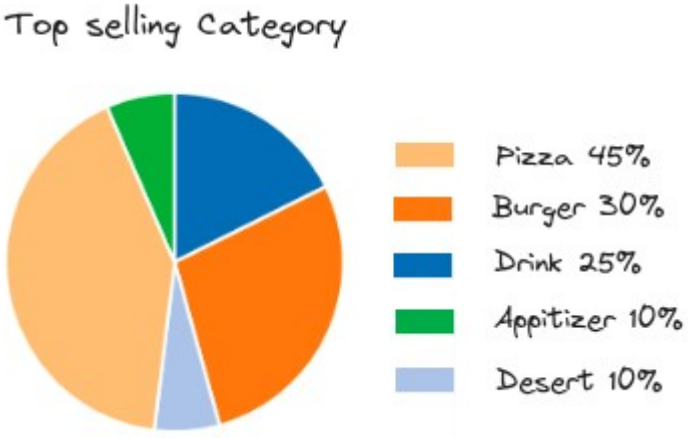
The Dashboard Report will show three cards in the line, **Total Order**, **Revenue**, **Average Order**



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 avaible orders

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

caregory	Revenue
Pizza	$12500
Burger	$3000
Drink	$8000
Desert	$2100

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