

Gymday – POS Assignment


Problem Statement:

Design a one-page application which allows the user to search for someone and select a plan of their choice and to complete the transaction. Your final design can vary in terms of fonts, icon used but try to mimic the samples given below as closely as possible.

Rules:


1. Don't use any frontend frameworks like bootstrap, foundation etc.
2. Don't use any starter templates.
3. Keep DOM manipulation to a minimum and use variables to store references to elements.
4. No more rules.

Initial State

GYMDAY

Search by Name, Phone no. or Email

Monday, December 23



Fitness First

Peddar Road

Point of sale

Dashboard

Customers

Marketing

Administration

Settings

Fitness First

201, Bhagwati Garden.

Link Road, Bandra, Mumbai

+91 9967881841

contact@fitnessfirst.com

support@gymday.in

Point of Sale

Billing History

Enter Customer Name or Phone no.

PLAN

Gymnasium

Swimming

Yoga

Tennis

Standard

1 month

Rs. 4,400

Premium

3 month

Rs. 11,500

Guest

6 month

Rs. 20,000

9 month

Rs. 28,000

12 month

Rs. 35,000

12 month

Rs. 35,000

START DATE

18 October, 2016

OFFER

FLAT10

PLAN

PRICE

Gymnasium Standard

3 months

11,500

Offer - FLAT10

- 560

Swimming Single

3 months

5,600

Sub-total

5,600

Service tax

1,000

Security deposit

2,000

Rs 8,400

Total amount payable

PAYMENT RECEIVED

SEND PAYMENT LINK

There are 4 main services to choose from in the above sample, Gym, Swimming, Yoga, Tennis and their corresponding types and plans. Don't hardcode these, use an object instead.

Search State

As soon as the user starts typing in the search box and the number of characters entered is 2 or more, start searching. Both the top search and POS search should use the same function to perform searching. To keep things simple, use an array of customers to search from. The search results should show only 5 results at a time with a scroll control if there are more results. The red, green and such icons in the search results show the status of the customers:

0. Red: Billing Issue Member
1. Green: Active Member
2. Grey: Inactive Member
3. Red Star: Hot Prospect
4. Orange Star: Cold Prospect

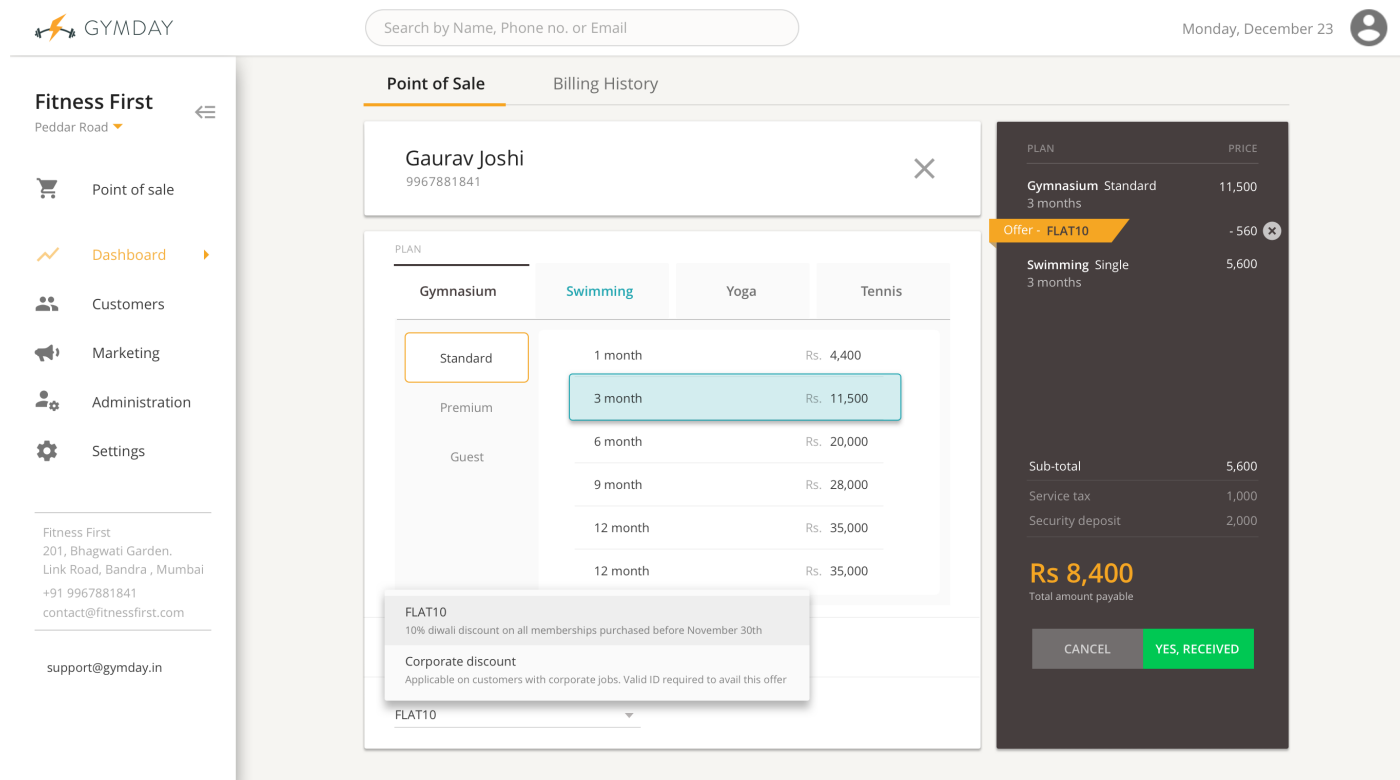
The screenshot displays the GYMDAY Point of Sale (POS) interface. On the left is a sidebar with navigation options: Point of sale, Dashboard, Customers, Marketing, Administration, and Settings. The main area is divided into 'Point of Sale' and 'Billing History' tabs. A search box at the top prompts 'Enter Customer Name or Phone no.' and shows a dropdown with five results: Rama Chatterjee (red dot, MEMBER), Ramdev Sinha (green dot, MEMBER), Ramesh Bedi (grey dot, MEMBER), Ramesh Mehan (red star, PROSPECT), and Ramphal Gopal (orange star, PROSPECT). Each result includes a phone number (97692-55504). Below the search results, a table shows two 12-month plans at Rs. 35,000 each. On the right, a dark sidebar displays the current plan (Gymnasium Standard, 3 months, Rs. 11,500), an offer (FLAT10, -560), and a list of services (Swimming Single, 3 months, Rs. 5,600). The total amount payable is Rs. 8,400, with buttons for 'PAYMENT RECEIVED' and 'SEND PAYMENT LINK'.

I'll leave it to you to decide how your code handles and displays the status of a customer. An example object of customer could be as follows:

```
{
  "firstname": "Rama",
  "lastname": "Chatterjee",
  "phone": "9769255504",
  "status": 0,
  "type": "MEMBER"
}
```

Plan Select State

When a customer has been selected from the search results, choose a plan to pay for and that plan should appear on the right bar along with any offer if selected. Maintain, all the prices in variables so it's easier to perform calculations. When you click on any plan, the prices should reflect the plan selected. Same for offers.



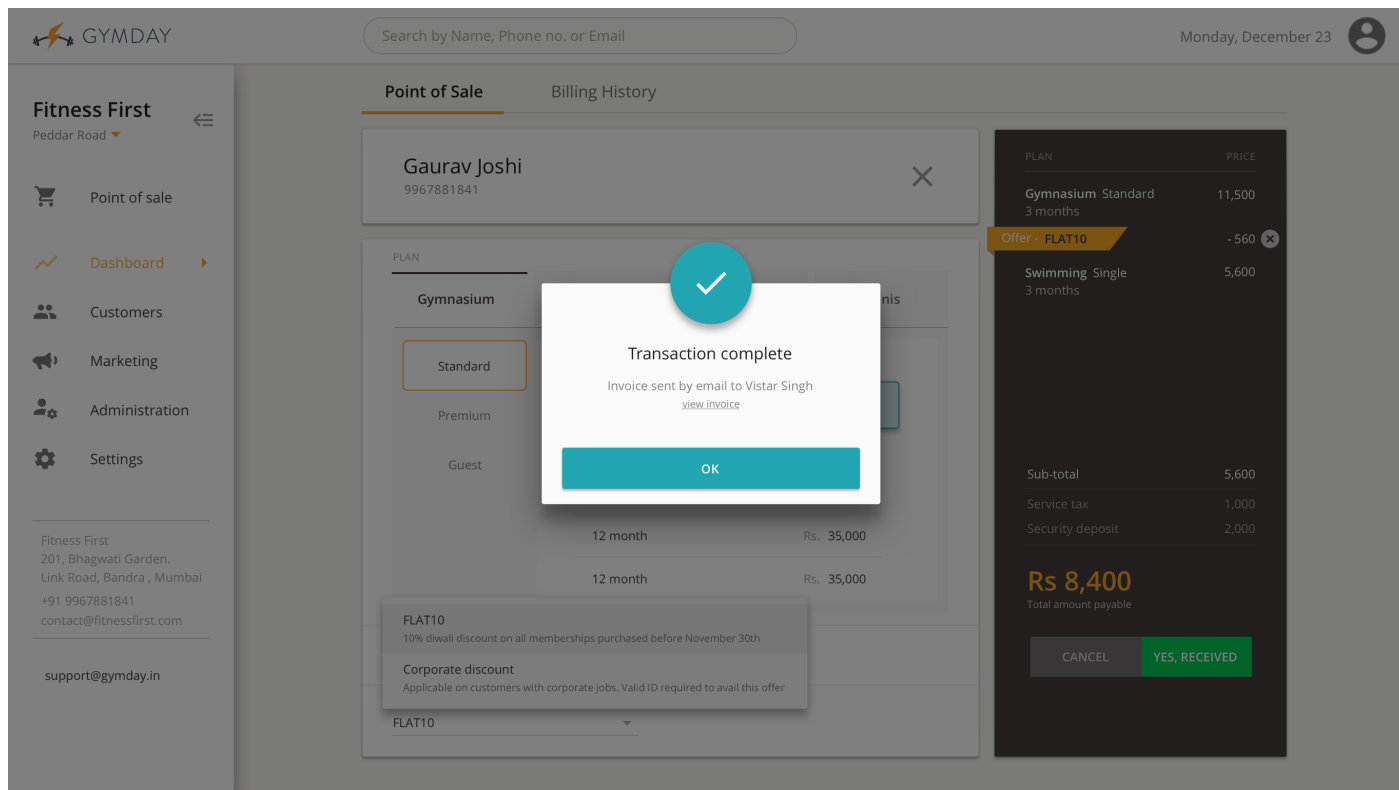
Just like there's a cross button for removing offers, there should be a cross button to remove plans from the right bar. I'd suggest using a `checkout` object for storing the selected plans, offers and customer information that can be updated easily.

To keep things simple, set a constant tax multiplier (like 5% or 10%) which gets updated when a plan is selected and the correct tax amount is shown. Till this point, the `PAYMENT RECEIVED` button should be displayed as is and not as it is shown in the above image.

The user should not be able to select a plan if no customer has been selected. Only when there's a customer chosen, the plans should reflect in the right bar. Otherwise, when the user clicks on `PAYMENT RECEIVED` without choosing a customer, you should display an error message stating the reason.

Transaction Complete State

When the user has selected a customer, a plan and/or an offer and clicks on the PAYMENT RECEIVED button, change the button into two buttons as shown in the image below. Clicking on `YES, RECEIVED` should display a popup like the one below and set the transaction status to true. When the `OK` button on popup is clicked, the page details should be reset completely so that the user can carry out another transaction. Don't use the `view invoice` link.



Final notes:

Use a CSS preprocessor of your choice, Sass/Less so that you can store colors and other fixed attributes in variables and reuse. Upload the project on Github and share the URL when complete and in the README, include any special notes (if needed) to run your project and mention if you have used any third-party library like jQuery or React. Use `npm` for managing dependencies.

Let me know if you have any questions/doubts while attempting any part of this assignment. I'm available on call at 7827767701. Best of luck!

Cheers,
Anil