



achyut labs

Pratham
product by achyut labs



Pratham POS System

Custom Software Solutions

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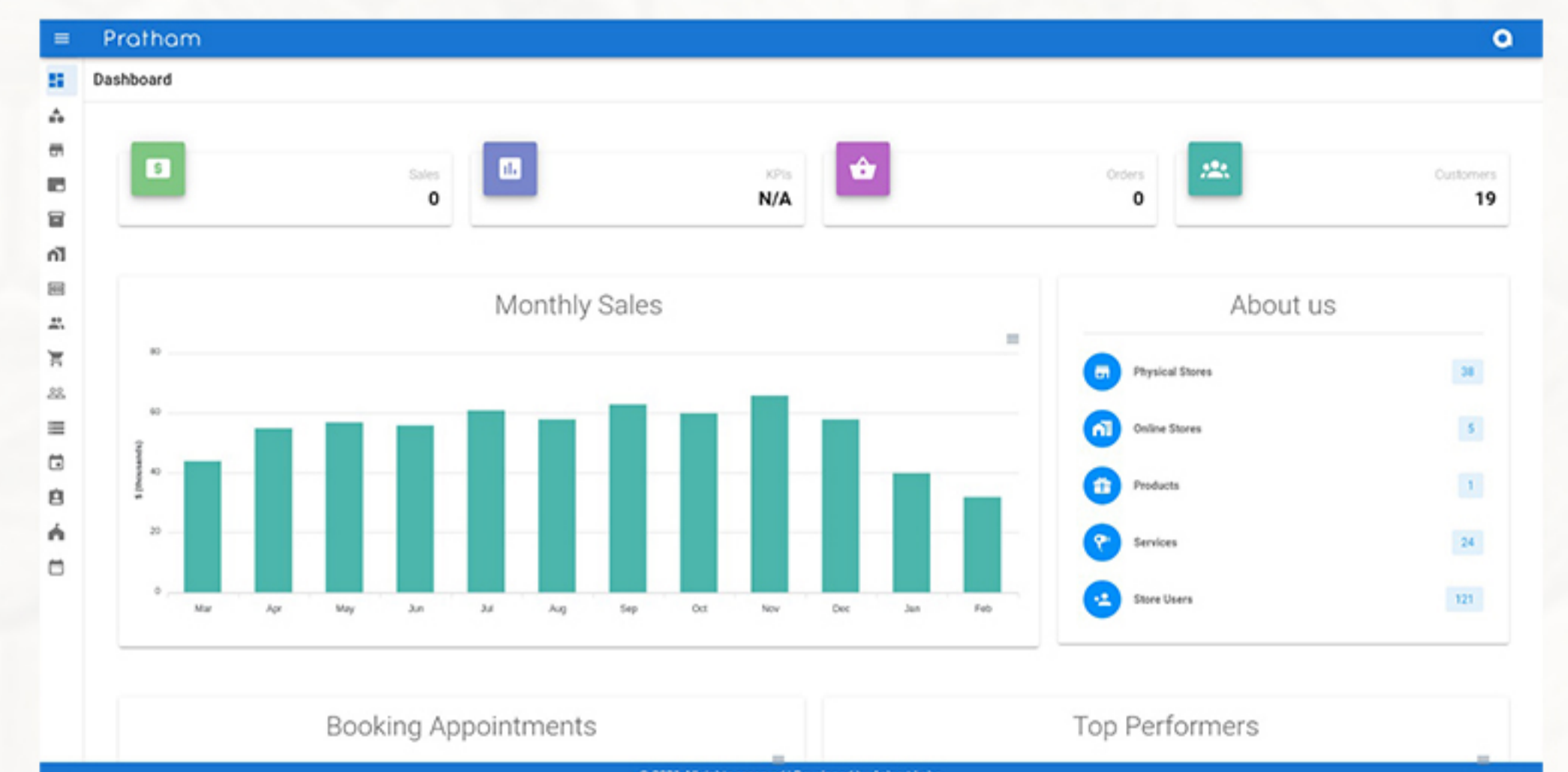
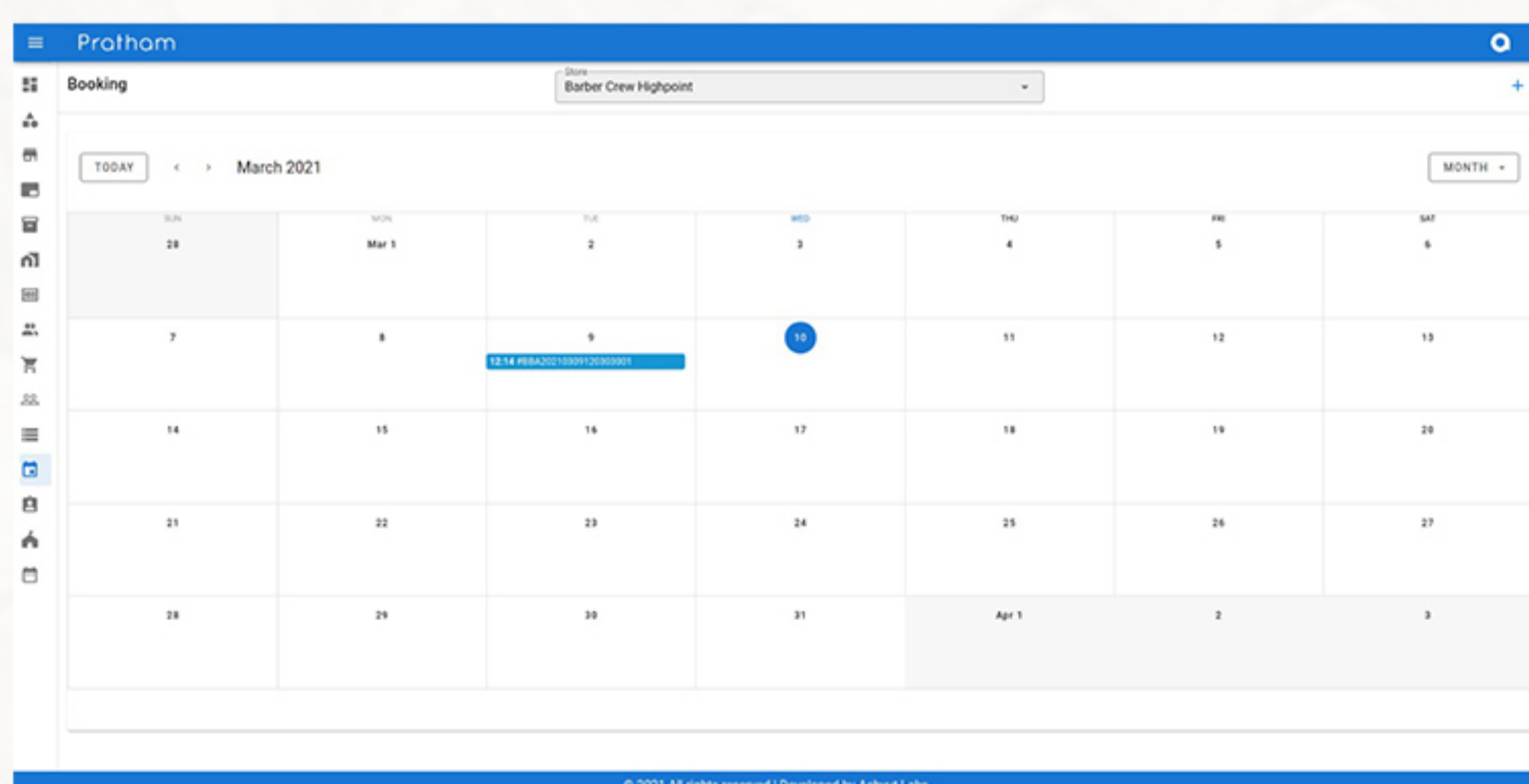
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INTRODUCTION

Pratham, is an end to end retail chain solution of Achyut Labs. This product intends to serve any retail chain which includes Point of Sale (POS) for services and products, administration of all stores, sales reports, customers and employee management. This product also includes the booking system for certain services for barber stores. The product is highly customised for Barber store chains across the world which includes ecommerce solutions. We delivered:

- 1.POS - Offline and Online Windows Application.
- 2.Customer Portal with Ecommerce
- 3.Customer Notification System
- 4.Booking System
- 5.EFTPOS payment system
- 6.Invoice, Transaction per Barber
- 7.Employee sign in and out
- 8.Product sale and inventory at every store
- 9.Customer profile and reward system
- 10.Pop up reminder for product sale
- 11.Admin Panel and Dashboard for reports
- 12.Many more features.





POINT OF SALE (POS)

The point of sale (POS) or point of purchase (POP) is the time and place where a retail transaction is completed. At the point of sale, the merchant calculates the amount owed by the customer, indicates that amount, may prepare an invoice for the customer (which may be a cash register printout), and indicates the options for the customer to make payment. It is also the point at which a customer makes a payment to the merchant in exchange for goods or after provision of a service. After receiving payment, the merchant may issue a receipt for the transaction, which is usually printed but can also be dispensed with or sent electronically.

Architecture point of view system is mainly divided into two components.

POS DESKTOP

Terminal where store user performs every day's retail transaction.

POS SYNC SERVICE

.Net win service hosted on POS terminal used to sync data between head office and store

POS SYSTEM HARDWARE AND OS SPECIFICATION

WINDOWS 7.1 PROFESSIONAL WITH SP1 AND ABOVE

60GB HARD DISK

2 GB RAM

.NET FRAMEWORK 4.6.1

DAILY POS RECEIPT PRINTER

CASH DRAWER

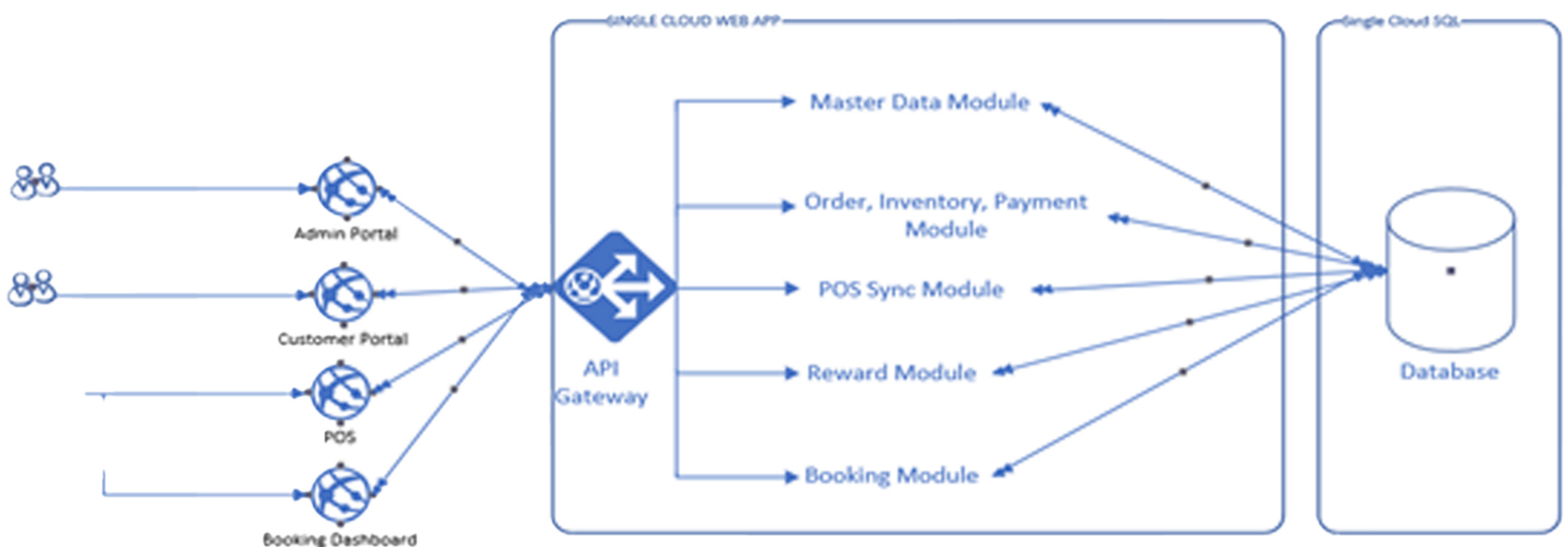
BARCODE SCANNER

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PRODUCT ARCHITECTURE

FOLLOWING DIAGRAM SHOWS COMPONENTS OF THE PROJECT:



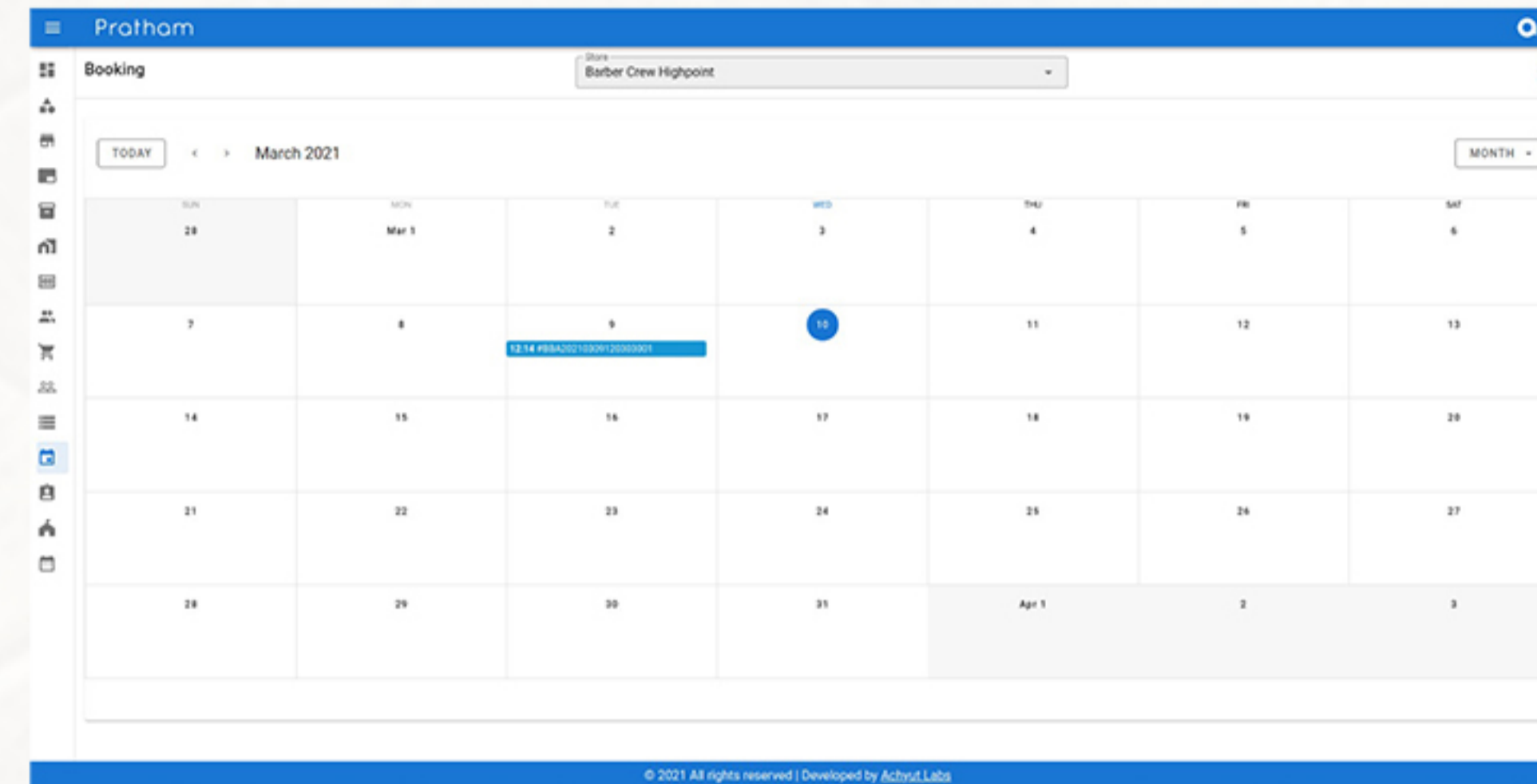
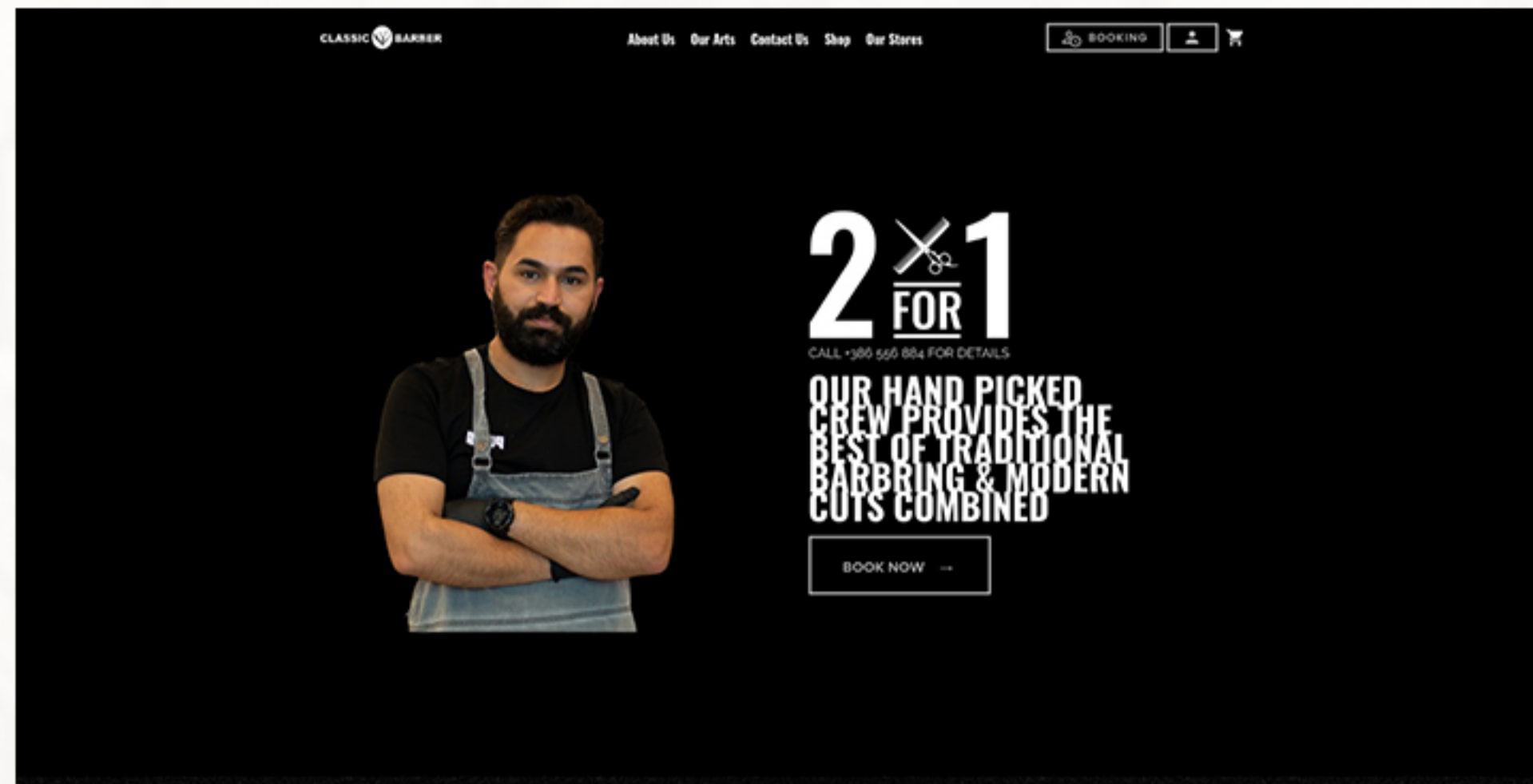
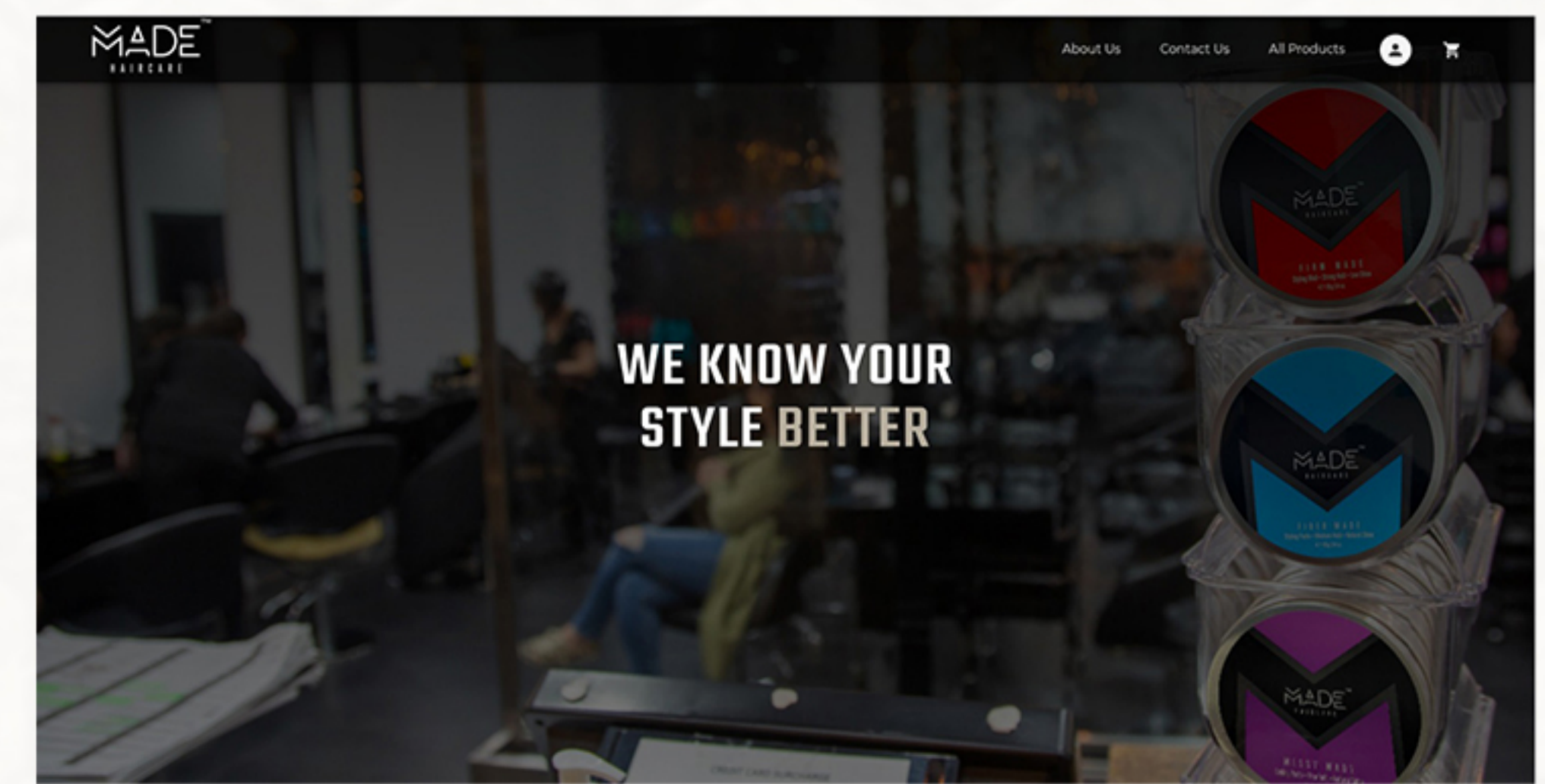
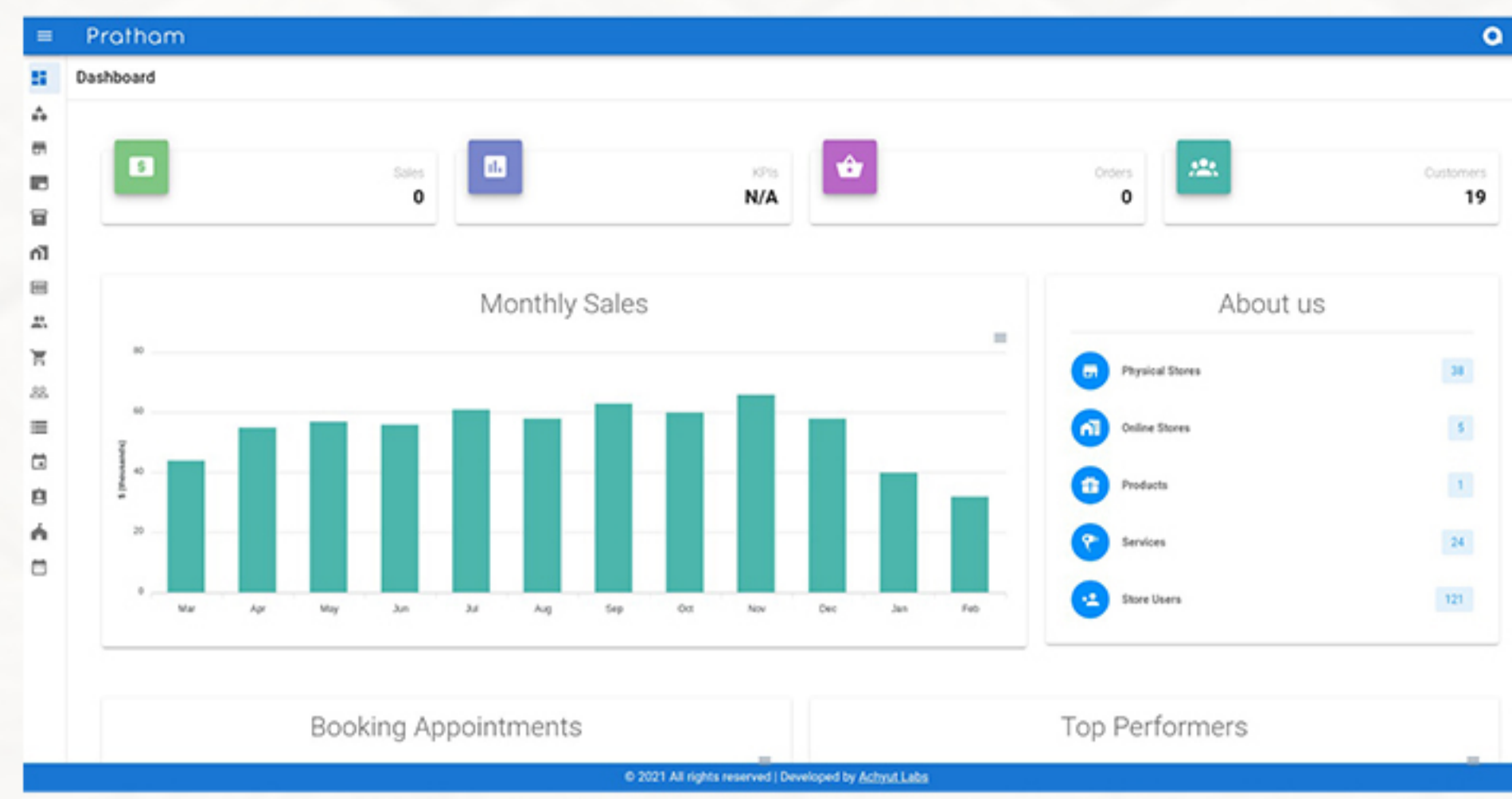
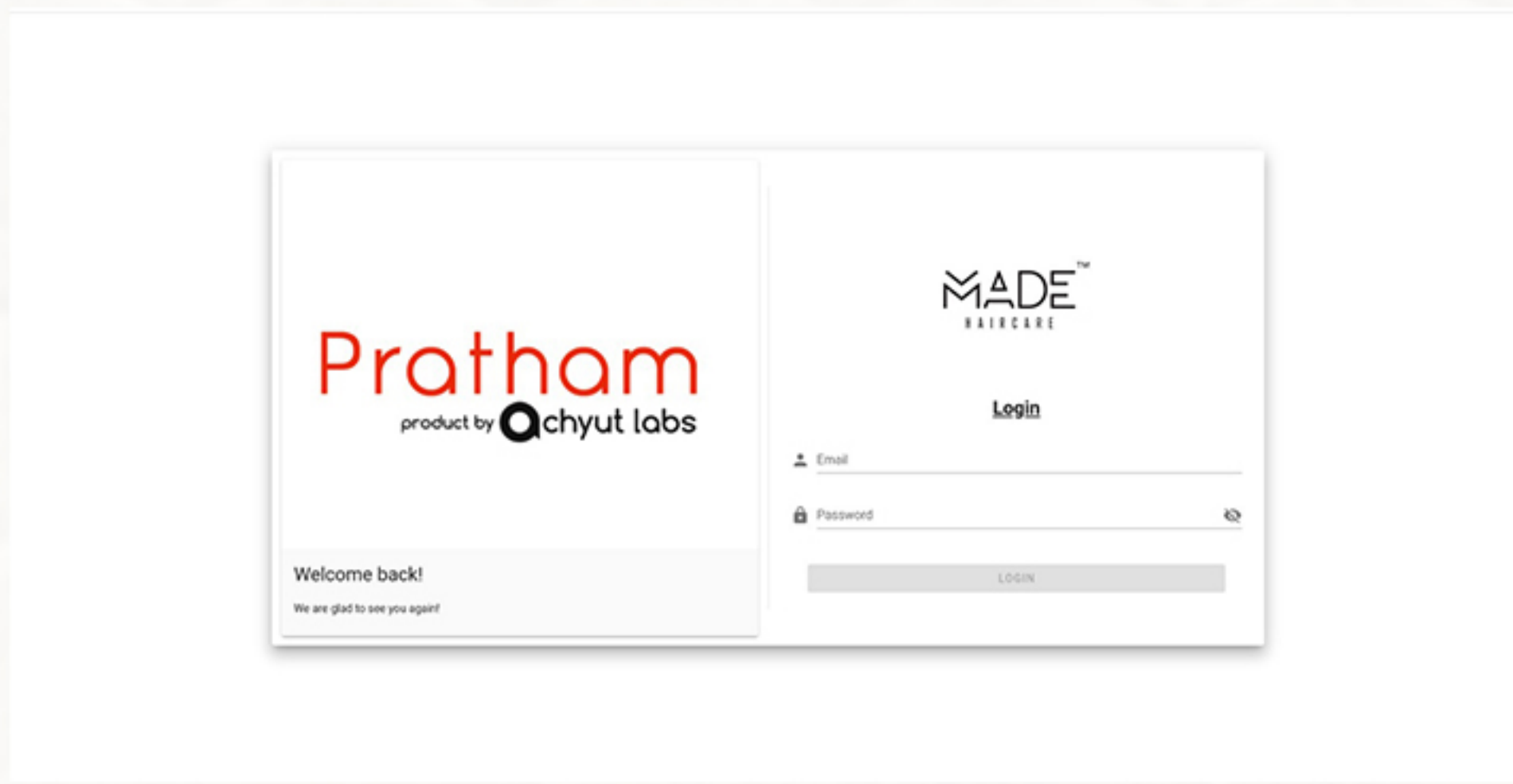
COMPONENTS' BRIEF OVERVIEW - 1

1. **Admin Portal:** Admin portal is a UI based web app component. It provides Admin users to manage (CRUD) master entities (Store, Product, Price etc.) and can see all business reports with respect to registered stores against tenants.

2. **Point of Sale (POS):** POS is store based desktop UI component. It enables store users to generate invoices for services customers opted and provide an interface to sell products. It is an offline component and syncs with the cloud on set intervals or on user request.

3. **Customer Portal:** Customer portal is a public UI webapp component. It facilitates customers to buy hair products and book their appointment with choice of their store and Barber.

4. **Booking Dashboard:** Booking dashboard is either web or desktop-based component nice to integrated with POS interface. It is an online component and real time connected with booking web service. Barber can see (forthcoming customers appointments), book new or cancel appointments with the interface.



COMPONENTS' BRIEF OVERVIEW - 2

5.API Gateway: It is the façade between UI and backend components. Technically it is a single secure endpoint for every UI request going to hit a server.

6.Master Data Service (MDS): It is the web service responsible to perform CRUD operations for master data entities (Store, Product etc..).

7.Order, Inventory and Payment Service (OIPS): It is the web service responsible to process order, inventory and payment.

8.POS Sync Service: It is the web service responsible to sync store offline transactions with cloud master database.

9.Reward Service: It is the web service responsible to maintain customer reward points

10.Booking Service: It is the web service responsible to manage customer appointments data.

11.Database: It is a cloud hosted SQL database holds all data for all transactions and master data.

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ENTITIES / DIFFERENT USERS

CUSTOMER

1. Customers can book appointments to any stores from the list and Notification and Calendar of particular store will be updated accordingly. Available slots are shown.
2. Customer users have their profile and login on a website where they can do/see booking, transaction history and can purchase products.
3. Customers are notified by email for rewards and offers and can access the same on their account.

SALESPERSON / AGENT / STORE OPERATOR

1. A sales agent (Barber) is in every store who handles customers physically.
2. Every Transaction in the invoice will reflect Barber who handled the customer Which at the end of day shows total income and transactions.
3. Barber's profile reflects transactions and sign in and sign out records.
4. Barber cannot edit any records once the transaction is complete.
5. Barber can see the calendar of the respective store to plan his time.

ADMIN

1. Admin manages all sales agents (barbers),
2. Monitors transactions,
3. add/modify products and inventory
4. Setup rewards and offers
5. Setup advertisement / offer / video
6. Can modify transaction if required
7. Can see Dashboard to see how each store is performing
8. Analysis of Store performance over the week/month/year
9. Compare the performance of stores
10. Notify the Barbers for work and shift details



CLIENT PORTALS



2 FOR 1

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ADMIN UI


Pratham

Dashboard

 Sales
0

 KPIs
N/A






 Orders
0

 Customers
19

Monthly Sales

Month	Sales (\$ thousands)
Mar	45
Apr	55
May	58
Jun	55
Jul	60
Aug	58
Sep	62
Oct	60
Nov	65
Dec	58
Jan	40
Feb	32

About us

-  Physical Stores 38
-  Online Stores 5
-  Products 1
-  Services 24
-  Store Users 121

POS LAYOUT

Achyutlab POS

Employee	Product/Service	Price	Qty	Total	Barcode:

Cuts	Barber	Blow Wave	Curls	Hair Up
Colour	Foils	Curaplex	Bleach	Ombre
Balayage	Toner	Treatment	Keratin	Perm
Extensions	Beard	Waxing/threading	Face Mask	Packages

1	2	3		
4	5	6		
7	8	9		
Enter	0	X		
Guest C		TOTAL		
		\$0		
PAY				
Item Search		Write-off		
Item Receipt		Voucher		
Sign In				
Sign Out				

OUR SERVICES

01

WEB APPLICATION

02

MOBILE APPLICATION

03

DIGITAL MARKETING

04

IOT

05

POINT OF SALE

06

CLOUD SOLUTIONS

07

SAP

08

IT SUPPORT & MANAGED
SERVICES

09

SME SOLUTIONS

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Thank You