



**BHARATIYA VIDYA BHAVAN'S**  
**SARDAR PATEL INSTITUTE OF TECHNOLOGY**  
(Empowered Autonomous Institute Affiliated to Mumbai University)  
**Department Of Computer Engineering**

<b>Name</b>	Manish Shashikant Jadhav
<b>UID</b>	2023301005
<b>Subject</b>	CITL (Cloud and Internet Technology Lab)
<b>Experiment No.</b>	10
<b>Aim</b>	Create a web mashup of web services using open source framework
<b>Theory</b>	<p>A <b>web mashup</b> is a web application that combines content, data, or functionality from multiple online sources into a single, integrated experience. The goal is to provide users with a new service or feature by blending various elements that weren't originally designed to work together.</p> <p>For example, a mashup could combine a map with weather data, showing users a location on the map with the current weather conditions. Another example could be combining restaurant reviews from multiple sites into a single interface for easy comparison.</p> <p>Mashups typically rely on APIs (Application Programming Interfaces) to fetch data from different services and display it in a unified way on a web page. This allows developers to create more dynamic, feature-rich applications without having to build everything from scratch.</p> <p>Implementing <b>Stripe</b> as an external API in a web mashup involves integrating Stripe's payment processing capabilities into your existing web application, which already pulls data or functionality from multiple sources. This enables your users to make payments, manage subscriptions, and interact with financial data while utilizing other services that the mashup integrates.</p>
<b>Implementation</b>	We have External api which is stripe.



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routes.ts

src > app > api > stripe > routes.ts > RequestData

```
1 import Stripe from "stripe";
2
3 import { NextResponse } from 'next/server';
4 import { getServerSession } from "next-auth";
5 import { authOptions } from "@/libs/auth";
6 import { getRoom } from "@/libs/apis";
7
8 const stripe = new Stripe(process.env.STRIPE_SECRET_KEY as string, {
9   apiVersion: '2024-09-30.acacia',
10 });
11
12 type RequestData = {
13   checkinDate: string;
14   checkoutDate: string;
15   adults: number;
16   children: number;
17   numberOfDays: number;
18   hotelRoomSlug: string;
19 };
20
21 export async function POST(req: Request) {
22   const {
23     checkinDate,
24     adults,
25     checkoutDate,
26     children,
27     hotelRoomSlug,
28     numberOfDays,
29   }: RequestData = await req.json();
30
31   if (
32     !checkinDate ||
33     !checkoutDate ||
34     !adults ||
35     !hotelRoomSlug ||
36     !numberOfDays
37   ) {
38     return new NextResponse('Please all fields are required', { status: 400 });
39   }
40 }
```

[Cm] Invalid ycm path

New business

Search

Test mode

Home

Balances

Transactions

Customers

Product catalog

Products

Payments

Billing

Reporting

More

Activate payments

Get started with Stripe

Explore all products

For developers

Test mode

Publishable key

Secret key

View docs

Today

Developers



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	<div><div><div>New business</div><div>Home</div><div>Balances</div><div>Transactions</div><div>Customers</div><div>Product catalog</div></div><div><div>Products</div><div>Payments</div><div>Billing</div><div>Reporting</div><div>More</div></div></div> <div><div>Search</div><div>Test mode</div><div>Create payment</div><div>Analyze</div></div> <div><div>Transactions</div><div>All 16</div><div>Succeeded 16</div><div>Refunded 0</div><div>Disputed 0</div><div>Failed 0</div><div>Uncaptured 0</div></div> <div><div>Date and time</div><div>Amount</div><div>Currency</div><div>Status</div><div>Payment method</div><div>More filters</div><div>Export</div><div>Edit columns</div></div> <table><tr><th></th><th>Amount</th><th></th><th>Payment method</th><th>Description</th><th>Customer</th><th>Date</th><th>Refunded date</th><th>Dispute amount</th><th>Dispi</th></tr><tr><td><input type="checkbox"/></td><td>\$750.00</td><td>USD</td><td>Succeeded ✓</td><td>usa **** 4242</td><td>pi_3QC1kv2KB7FnPj8M0vkhkq8u</td><td>haisesasakim@gmail.com</td><td>Oct 21, 3:52 PM</td><td>—</td><td>—</td></tr><tr><td><input type="checkbox"/></td><td>\$729.00</td><td>USD</td><td>Succeeded ✓</td><td>usa **** 4242</td><td>pi_3QC1hv2KB7FnPj8M0dzbfnw</td><td>visheshsavani@gmail.com</td><td>Oct 21, 3:49 PM</td><td>—</td><td>—</td></tr><tr><td><input type="checkbox"/></td><td>\$2,592.00</td><td>USD</td><td>Succeeded ✓</td><td>usa **** 4242</td><td>pi_3Q9B0e2KB7FnPj8M0UpzTX3</td><td>ambani@gmail.com</td><td>Oct 13, 1:48 PM</td><td>—</td><td>—</td></tr><tr><td><input type="checkbox"/></td><td>\$2,025.00</td><td>USD</td><td>Succeeded ✓</td><td>usa **** 4242</td><td>pi_3Q9B0q2KB7FnPj8M0p8mgY0p</td><td>nishant@gmail.com</td><td>Oct 13, 1:53 AM</td><td>—</td><td>—</td></tr><tr><td><input type="checkbox"/></td><td>\$1,120.00</td><td>USD</td><td>Succeeded ✓</td><td>usa **** 4242</td><td>pi_3Q9B0N2KB7FnPj8M1RTnrBen</td><td>test@test.com</td><td>Oct 13, 1:23 AM</td><td>—</td><td>—</td></tr><tr><td><input type="checkbox"/></td><td>\$600.00</td><td>USD</td><td>Succeeded ✓</td><td>usa **** 4242</td><td>pi_3Q9B7f2KB7FnPj8M0vTCL0hx</td><td>test@test.com</td><td>Oct 13, 1:07 AM</td><td>—</td><td>—</td></tr><tr><td><input type="checkbox"/></td><td>\$745.20</td><td>USD</td><td>Succeeded ✓</td><td>usa **** 4242</td><td>pi_3Q9B6j2KB7FnPj8M1Y7IEFnH</td><td>test@test.com</td><td>Oct 12, 10:04 PM</td><td>—</td><td>—</td></tr><tr><td><input type="checkbox"/></td><td>\$1,000.00</td><td>USD</td><td>Succeeded ✓</td><td>usa **** 4242</td><td>pi_3Q970h2KB7FnPj8M1I8t5Gbm</td><td>test@test.com</td><td>Oct 12, 9:34 PM</td><td>—</td><td>—</td></tr><tr><td><input type="checkbox"/></td><td>\$200.00</td><td>USD</td><td>Succeeded ✓</td><td>usa **** 4242</td><td>pi_3Q97dc2KB7FnPj8M1pfd11aj</td><td>test@test.com</td><td>Oct 12, 9:23 PM</td><td>—</td><td>—</td></tr></table> <div>16 results</div>		Amount		Payment method	Description	Customer	Date	Refunded date	Dispute amount	Dispi	<input type="checkbox"/>	\$750.00	USD	Succeeded ✓	usa **** 4242	pi_3QC1kv2KB7FnPj8M0vkhkq8u	haisesasakim@gmail.com	Oct 21, 3:52 PM	—	—	<input type="checkbox"/>	\$729.00	USD	Succeeded ✓	usa **** 4242	pi_3QC1hv2KB7FnPj8M0dzbfnw	visheshsavani@gmail.com	Oct 21, 3:49 PM	—	—	<input type="checkbox"/>	\$2,592.00	USD	Succeeded ✓	usa **** 4242	pi_3Q9B0e2KB7FnPj8M0UpzTX3	ambani@gmail.com	Oct 13, 1:48 PM	—	—	<input type="checkbox"/>	\$2,025.00	USD	Succeeded ✓	usa **** 4242	pi_3Q9B0q2KB7FnPj8M0p8mgY0p	nishant@gmail.com	Oct 13, 1:53 AM	—	—	<input type="checkbox"/>	\$1,120.00	USD	Succeeded ✓	usa **** 4242	pi_3Q9B0N2KB7FnPj8M1RTnrBen	test@test.com	Oct 13, 1:23 AM	—	—	<input type="checkbox"/>	\$600.00	USD	Succeeded ✓	usa **** 4242	pi_3Q9B7f2KB7FnPj8M0vTCL0hx	test@test.com	Oct 13, 1:07 AM	—	—	<input type="checkbox"/>	\$745.20	USD	Succeeded ✓	usa **** 4242	pi_3Q9B6j2KB7FnPj8M1Y7IEFnH	test@test.com	Oct 12, 10:04 PM	—	—	<input type="checkbox"/>	\$1,000.00	USD	Succeeded ✓	usa **** 4242	pi_3Q970h2KB7FnPj8M1I8t5Gbm	test@test.com	Oct 12, 9:34 PM	—	—	<input type="checkbox"/>	\$200.00	USD	Succeeded ✓	usa **** 4242	pi_3Q97dc2KB7FnPj8M1pfd11aj	test@test.com	Oct 12, 9:23 PM	—	—
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Conclusion	Hence by completing this experiment I got to know how to Use docker to run a multi-container web application
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