

Stripe

Richpanel Assignment – Build a Web App - Stripe

Intro and Interview Process

Firstly, thank you for your application at Richpanel. We are excited to speak with you and get to know you more during the interview process.

Our interview process is fairly straightforward. This assignment is the 1st step in the interview process. And this is the main criteria for getting selected in the company.

Scoring Criteria for the web app:

We are seeking Full Stack Developers. So we are going to score the assignments based on the below criteria

1. Time to deliver
2. Code Structure and Cleanliness
3. Ability to understand requirements and execute
4. UI and UX (HTML/CSS) ***Important.**

What is the assignment?

You have to make an app where users can subscribe to your services

Your assignment is to create a POC (Proof of Concept) app. This app will allow clients to login and subscribe to a billing plan of their choice from the shown list

Imagine a product like Amazon Prime - They have lots of users and they need to provide subscriptions(monthly/yearly) for their customers.

So, Let's build a subscription based billing module for a software product using Stripe.

How Will It Work?

1. Client should be able to Register for new account
2. Client should be able to login after registering
3. Create a screen to show the available plans: (Store and fetch this data from your database)

Available Plans:

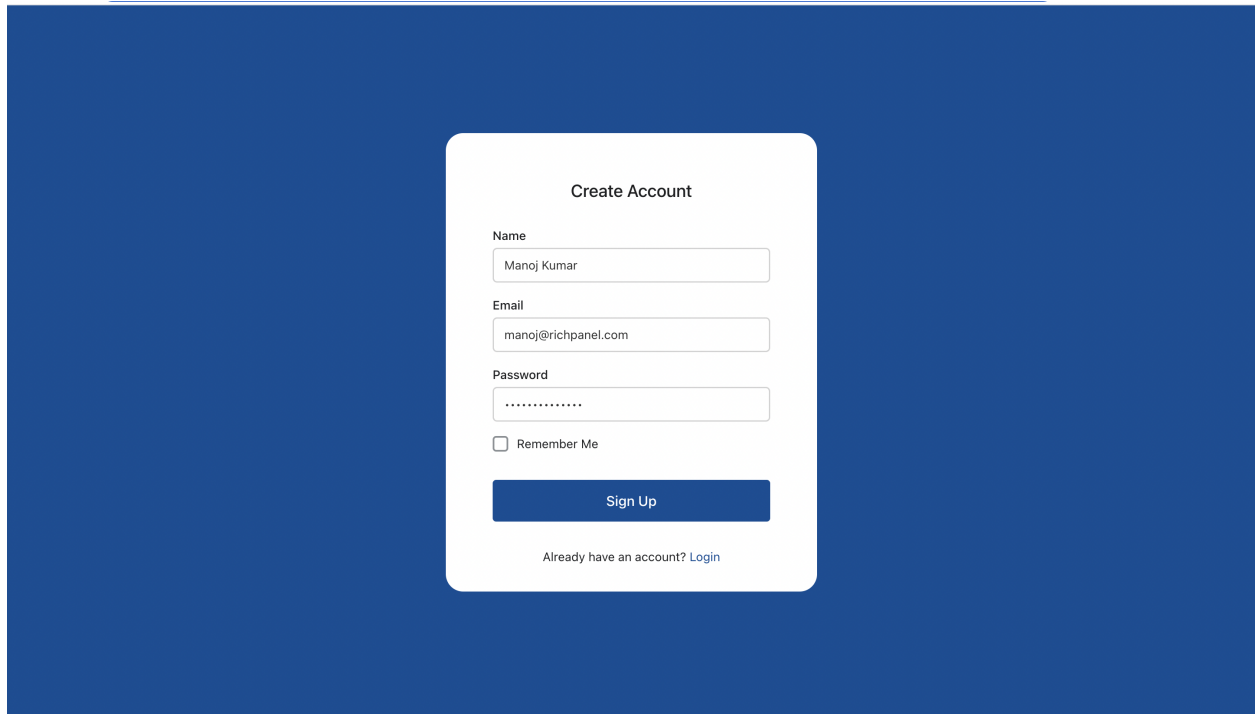
| Plan Name | Basic | Standard | Premium | Regular |
|--------------------------------------|----------|--------------|-----------------------|-----------------|
| Monthly Price | 100 INR | 200 INR | 500 INR | 700 INR |
| Yearly Price | 1000 INR | 2000 INR | 5000 INR | 7000 INR |
| Video quality | Good | Good | Better | Best |
| Resolution | 480p | 720P | 1080P | 4K+HDR |
| Devices you can use to watch | Phone | Phone+Tablet | Phone+Tablet+Computer | Phone+Tablet+TV |
| Number of active screens at one time | 1 | 3 | 5 | 10 |

4. Users should be able to select the plan and billing interval(monthly/yearly)
5. Ask for the credit card information(test cards) after user chooses the plan
6. Use Stripe APIS and create the recurring subscription for them in Stripe. Subscription details should be stored at both the places (Your database and Stripe Platform)
7. Show the selected Plan details after successfully creating the subscription (Store and fetch this data from your database)
8. Provide a button to cancel the selected Plan

Reference UI

Login and Register: Users will use this screen to either sign in or register. Use database to manage user accounts

Register Screen:



A screenshot of a 'Create Account' form on a dark blue background. The form is a white rounded rectangle with the title 'Create Account' at the top. It contains three input fields: 'Name' with the value 'Manoj Kumar', 'Email' with the value 'manoj@richpanel.com', and 'Password' with masked characters. Below the password field is a 'Remember Me' checkbox. A dark blue 'Sign Up' button is positioned below the checkbox. At the bottom, there is a link: 'Already have an account? Login'.

Create Account

Name

Manoj Kumar

Email

manoj@richpanel.com

Password

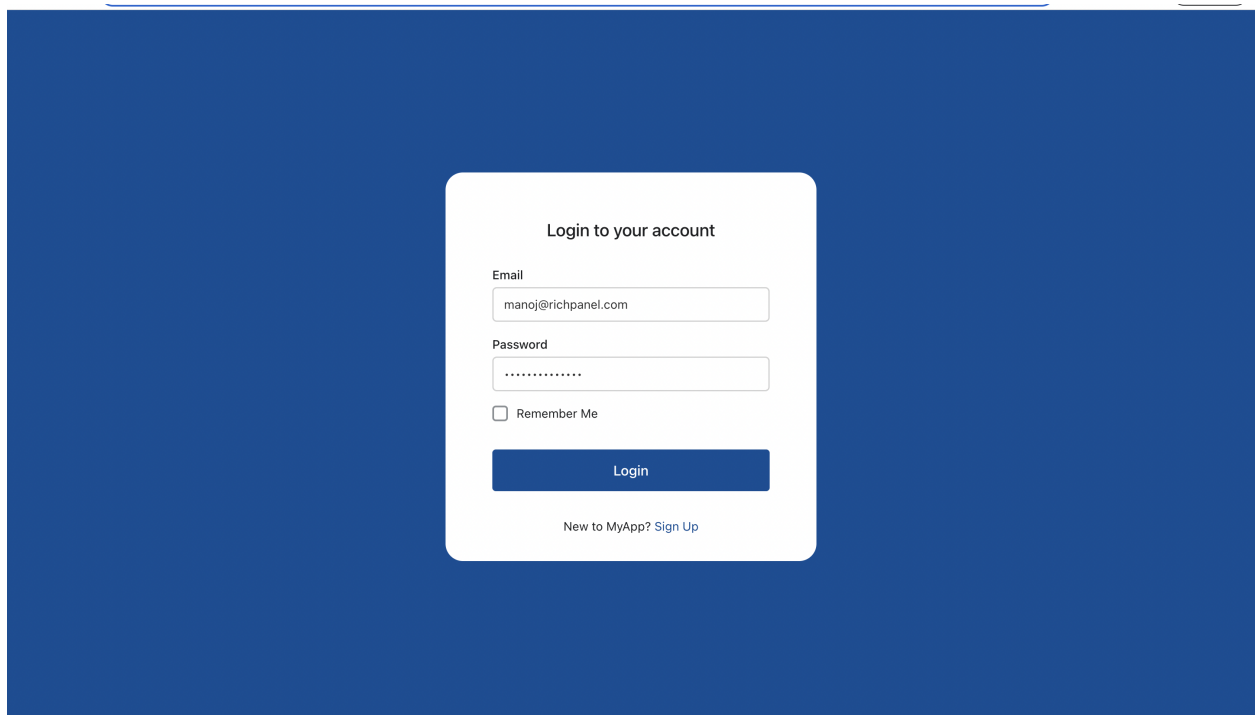
.....

☐ Remember Me

Sign Up

Already have an account? [Login](#)

Login Screen:



A screenshot of a 'Login to your account' form on a dark blue background. The form is a white rounded rectangle with the title 'Login to your account' at the top. It contains two input fields: 'Email' with the value 'manoj@richpanel.com' and 'Password' with masked characters. Below the password field is a 'Remember Me' checkbox. A dark blue 'Login' button is positioned below the checkbox. At the bottom, there is a link: 'New to MyApp? Sign Up'.

Login to your account

Email

manoj@richpanel.com

Password

.....

☐ Remember Me

Login

New to MyApp? [Sign Up](#)

Billing and Subscription: Users use the below screens to subscribe or cancel a plan. Use Stripe APIS and your database to manage the subscriptions

Plan Selection Screen:

1. Monthly Pricing (Select Monthly by default)

Choose the right plan for you

Monthly

Yearly

| | Mobile | Basic | Standard | Premium |
|------------------------------|-----------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Monthly price | ₹ 100 | ₹ 200 | ₹ 500 | ₹ 700 |
| Video quality | Good | Good | Better | Best |
| Resolution | 480p | 480p | 1080p | 4K+HDR |
| Devices you can use to watch | Phone Tablet | Phone Tablet Computer TV | Phone Tablet Computer TV | Phone Tablet Computer TV |

Next

2. Yearly pricing: (Clicking on Yearly should show the below screen)

Choose the right plan for you

Monthly

Yearly

| | | | | |
|------------------------------|--------|----------|----------|----------|
| | Mobile | Basic | Standard | Premium |
| Monthly price | ₹ 1000 | ₹ 2000 | ₹ 5000 | ₹ 7000 |
| Video quality | Good | Good | Better | Best |
| Resolution | 480p | 480p | 1080p | 4K+HDR |
| Devices you can use to watch | Phone | Phone | Phone | Phone |
| | Tablet | Tablet | Tablet | Tablet |
| | | Computer | Computer | Computer |
| | | TV | TV | TV |

Next

3. Card Information & Payment Screen:

Complete Payment

Enter your credit or debit card details below

Card number

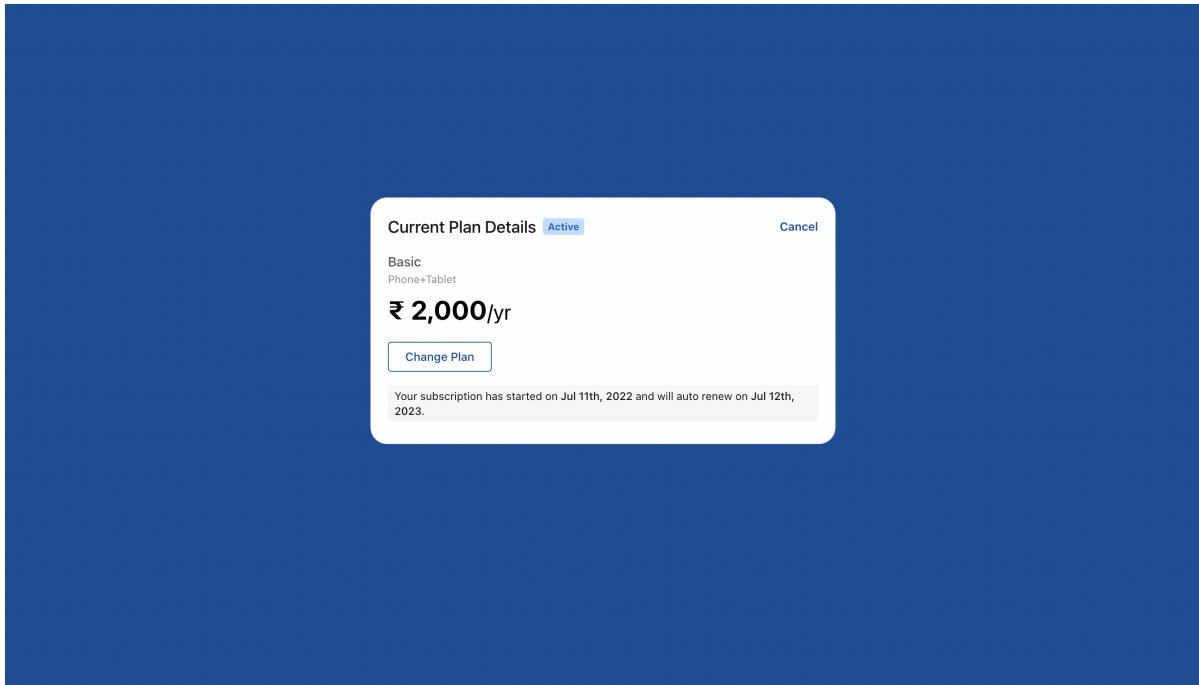
MM / YY CVC

Confirm Payment

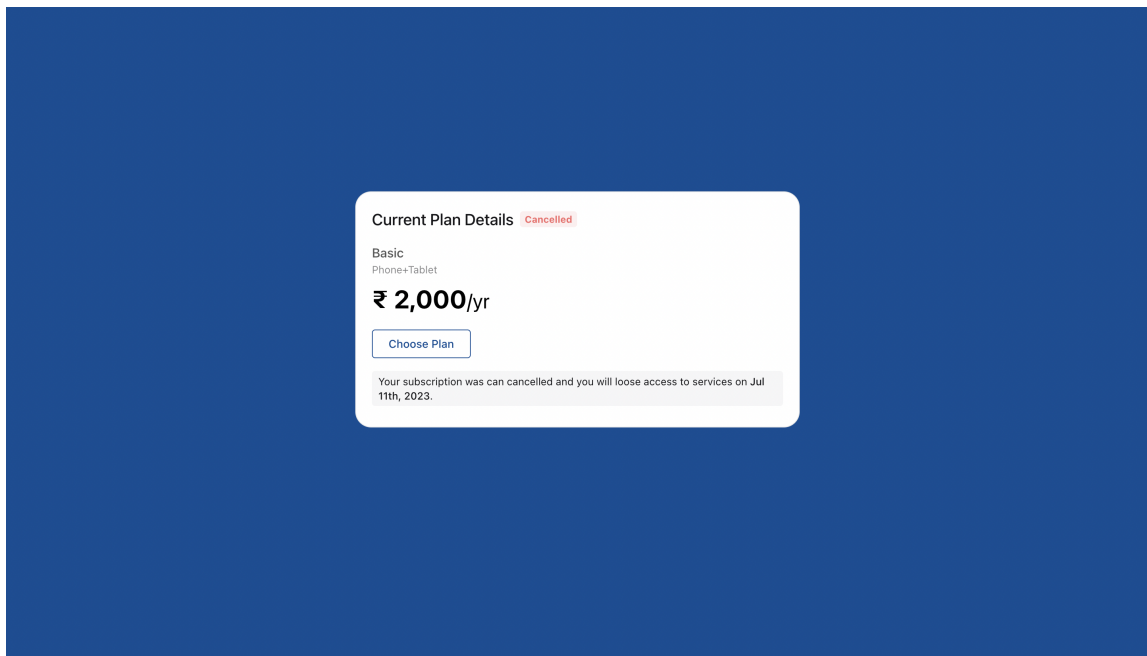
Order Summary

| | |
|---------------|----------|
| Plan Name | Basic |
| Billing Cycle | Monthly |
| Plan price | ₹ 200/mo |

4. Selected Plan screen (Active State)



5. Selected Plan screen (Cancelled State):



Test cases & Video Submission

Please submit a working video of the app covering the below test cases.

1. Users should be able to create a new account
2. Users should be able to login to existing accounts
3. Initially there won't be any subscription
4. Handling subscriptions
 - Create a subscription
 - Cancel Subscription

Technical Notes

1. Use a database to store the account info and subscriptions info
2. Refer these documents for development
 - a. **Stripe Documentation:** <https://stripe.com/docs/development>
 - b. **A Stripe account:** You can sign up for a Stripe account here: <https://dashboard.stripe.com/register>
 - c. **Stripe API Keys:** Available in your Stripe dashboard here: <https://dashboard.stripe.com/test/apikeys>
3. Work in test mode only, do not make it live.

FAQs:

- Can we use a different tech stack?
 - Any tech stack can be used. Just create the best output in any technology

Questions?

We want to help you be successful in your assignment. Feel free to reach out in case of any questions/queries.

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