**TASK DESCRIPTION**

I want you to integrate card payments via Payment Service Provider (PSP) Stripe so it could be used to make card payments from Web Browser.

It is required to create simple Server (back-end) and Client (front-end) applications that could communicate with Stripe in order to make card payment and show payment result to end user.

Please demonstrate on how to make a SUCCESSFUL and DECLINED payments (with different amounts and currencies; different user details; etc).

*Payment Flow*

- User opens payment form (Client) and specifies card details (card number, expiry date, CVV, ...) and presses pay button to make payment.

- Once pay button is pressed, Client communicates with Server, and Server sends payment request to Stripe.

- Stripe handles incoming payment request.

- Once payment is handled, Stripe notifies Server about payment status (via notification/webhook);

- Server handles received notification and triggers "status check" API to confirm payment is completed SUCCESSFULLY or DECLINED. Please skip notification handling for SUCCESSFUL or DECLINED payments.

- If notification will not be sent, then you can implement a scheduler that can trigger "status check" API and update payment at your side (see previous step); Please don’t trigger a scheduler for a SUCCESSFUL or DECLINED payment.

- Server notifies Client, and Client shows a correct payment status (payment id, payment amount and status) to user in UI.

**PRECONDITIONS**

- Use Java, Spring Boot/MVC to create Server application. For Client you can use whatever you like.

**ACCEPTANCE CRITERIA**

- It should be possible to specify card details and make payment.

- It should be possible to simulate SUCCESSFUL and DECLINED payments e.g. by specifying different amounts.

- Server should be able to handle incoming notifications from Stripe (once notification is received, "status check" API should be triggered).

- Server should be able to trigger "status check" API and update payment tx based on received response.

- Client should display status about payment to end user.

- Create a "Readme" file describing on how to configure and use the application to make payments.

- Demonstrate the application.

**DOCUMENTATION**

Please check below Stripe's documentation (choose Custom Flow) on how to create a test account and get started.

<https://docs.stripe.com/payments/accept-a-payment?platform=web&ui=elements>

After test account is created (using your email), you should receive test credentials.