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Payment gateway integration progress report
Mar-2023

Client : **THE PCOS SOCIETY, INDIA**
Phase: 1

Contact: 9353676794
Date:23/03/2023


TITLE OF THE APP	Payment Gateway integration (mediator)
TEAM	Mohammed Faisal
PROJECT ABSTRACT :	<p>The project "Payment Gateway Integration for 8th Annual Conference of The PCOS Society, India and 3rd Regional Conference of Aspire in collaboration with ISAR" aims to provide a secure and efficient payment gateway integration solution for the delegates attending the conference. The integration app allows delegates to register and make payments through a user-friendly interface.</p> <p>The app is designed to collect necessary information from the delegates through a form and process the payment through the Instamojo payment gateway, based on the package selected by the delegate. The integration app facilitates a seamless payment process for the delegates, and ensures that the payment transaction is secure and reliable.</p> <p>This project provides an effective solution to simplify the payment process for delegates attending the conference, eliminating the need for traditional payment methods. The payment gateway integration app ensures that the payment process is efficient and convenient for the delegates, making the conference registration process hassle-free.</p>

INTRODUCTION	Secure , efficient payment gateway integration for annual conference at THE PCOS SOCIETY.
TECHNICAL DESIGN	<p>The technical breakthrough of the above project lies in the successful integration of a secure and efficient payment gateway for the conference registration process. The integration app was developed to collect necessary information from the delegates and process payments through the Instamojo payment gateway.</p> <p>Some of the key technical features of the project include:</p> <p>1.User-friendly interface: The integration app was designed to be user-friendly, making it easy for delegates to register and make payments for the conference.</p> <p>2.Secure payment gateway: The Instamojo payment gateway used in the project is secure and reliable, ensuring that all payment transactions are processed safely.</p> <p>3.Customizable form: The registration form was developed in a way that it can be easily customized to collect necessary information from delegates based on their package selection.</p> <p>4.Error handling: The app was developed with an error handling feature that ensures that delegates receive prompt notification in case of any errors during the payment process.</p> <p>5.Automated email notifications: The app sends automated email notifications to the delegates upon successful registration and payment.</p> <p>In summary, the technical breakthrough of the project is the successful integration of a secure and efficient payment gateway that ensures a seamless registration and payment process for the delegates attending the conference.</p>

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	<p>Technologies used in making of the app:</p> <p>Front-End: React.JS(Material UI) Backend : Node.JS + MySQL Cloud server : GCP</p>
PROJECT SOURCE CODE LINK (GITHUB/ GOOGLE DRIVE)	https://github.com/mohammedfaisal31/zeera.git
PROCESS FLOW REPORT	<p>The Instamojo payment gateway used in the project is a reliable and secure payment platform that is widely used in India for domestic payments. However, it is important to note that Instamojo is not probably suitable for international payments, as it supports transactions on a case to case basis.</p> <p>Upon performing an email follow up to include the gateway as an international account. This is the reply we received from Instamojo(An image is attached below)</p> <div>  <div> <p>Sharukh Shah</p> <p>Monday at 16:29</p> <p>Hi Faisal,</p> <p>Thank you for writing in.</p> <p>Greetings from Instamojo! I am Sharukh and I will be assisting you with this ticket.</p> <p>We understand your concern in this regard. Please note you must have a decent domestic transaction history, in order to consider your request for your international payments. Please keep collecting payments & try again later.</p> <p>We request your kind understanding and cooperation on this. Do let us know if you need anything else. Always happy to help.</p> <p>Thanks & Regards, Sharukh Shah Team Instamojo</p> </div> </div> <p>Additionally, Instamojo requires a certain threshold of transactions to be completed within the account before it can be used for payment processing. This means that for new accounts or those with low transaction volumes, it may not be possible to use Instamojo as the payment gateway.</p>

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	<p>As a result, it is advisable to use an alternative payment gateway for international transactions. PayUMoney is a suitable option as it is already owned by the Society(as suggested) and has the necessary features to process international payments. Integrating PayUMoney as the payment gateway can make the registration and payment process easier for delegates, particularly those from outside India.</p>
FUTURE PROCESS	<p>In the future, we plan to enhance the registration and payment process for delegates attending the conference by integrating two payment gateways within the same app. One gateway will be used for domestic payments while the other will be used for international payments.</p> <p>The app will be developed to redirect delegates to the appropriate payment gateway based on their phone number. If the delegate's phone number is registered in India, they will be redirected to the domestic payment gateway, while delegates with phone numbers outside India will be redirected to the international payment gateway.</p> <p>This approach will ensure that the registration and payment process is efficient and hassle-free for all delegates, regardless of their location. By using the appropriate payment gateway based on the delegate's location, we can ensure that the payment process is reliable and secure for everyone involved.</p> <p>The app will also feature an error handling system that will notify delegates in case of any issues during the payment process. Additionally, automated email notifications will be sent to delegates upon successful registration and payment.</p> <p>Overall, the integration of two payment gateways within the same app will ensure that the registration and payment process for the conference is efficient and secure for all delegates, regardless of their location.</p>