Progress Report 2

Work Date / Hours Log

Date	Number of Hours	Description of Work Done
Sept 29	2	Installed required dependencies, initialized project configuration, and set up environment variables for Stripe and Supabase integration.
Sept 30	2	Created backend folder structure, added configuration files for Stripe and Supabase, and prepared .env with secure keys.
Oct 2	3	Implemented backend controllers and routes for Stripe, including checkout session creation and customer portal session endpoints.
Oct 3	1	Online meeting with Gluu CEO Zane, and a short meeting with group members after the meeting with Zane.
Oct 6	3.5	Developed the Stripe webhook handler with raw body parsing, implemented event handling for checkout sessions and subscription updates, and integrated with Supabase.
Oct 7	2.5	Updated the main server entry file to register webhook routes correctly, configured CORS and production static file serving, and verified local server functionality.
Oct 9	3	Conducted end-to-end testing using Stripe CLI and frontend test calls, verified webhook event flows, and reviewed code comments to ensure all were in English and production-ready.

Description of Work Done

Over this two-week period, I focused on progressively integrating Stripe into the backend of the project.
I started by preparing the development environment, installing required libraries, and securely setting up environment variables. After that, I built a clear backend folder structure and added configuration files for Stripe and Supabase.

Next, I implemented controller logic for creating checkout sessions and billing portal sessions, followed by developing the webhook handler to synchronize subscription data with Supabase. The server entry file was then updated to correctly handle webhook requests and serve static files in production.

Finally, I tested the full payment flow using Stripe CLI and frontend calls, ensuring that webhook events were processed correctly and all code comments were fully translated into English to meet production standards.

Repo Check-in of Implementation Completed

The files/folders I have checked into the repository so far include:

- Implementation/backend/server.js (branch feature/stripe-integration)
- Implementation/backend/config/stripe.js (branch feature/stripe-integration)
- Implementation/backend/config/supabase.js (branch feature/stripe-integration)
- Implementation/backend/controllers/stripe.controller.js (branch feature/stripe-integration)
- Implementation/backend/routes/stripe.routes.js (branch feature/stripe-integration)
- Implementation/backend/webhooks/stripeWebhook.js (branch feature/stripe-integration)