Full Stack Technical Assessment – Due in 3 days

You're building a basic eCommerce checkout system. Users can log in, add items to cart, and proceed to checkout using Stripe. If payment is successful, the cart clears. If canceled, the cart stays and user gets notified.

Requirements

1. Authentication
- Create a simple `POST /login` API with hardcoded email/password.
- Use either JWT or session-based authentication.
- Protect cart and checkout routes on the frontend.

2. Cart Module
- APIs to build:
  - `POST /cart/add`
  - `PATCH /cart/update`
  - `DELETE /cart/remove`
  - `GET /cart`
- Must support multiple products and quantity updates.
- Build a UI for cart view and modifications.

3. Checkout Flow with Stripe
- Integrate Stripe Checkout in test mode.
- On checkout:
  - Redirect to Stripe
  - On success: Show 'Payment Success', clear cart
  - On cancel: Show 'Payment Cancelled', retain cart
- Use Stripe test keys and include `.env.example` if necessary.

4. Frontend Expectations
- Use React or React Native.
- Ensure routes are protected post-login.
- Optional: Add toasts or visual feedback for actions.

Submission Format
- GitHub repository
- Clear folder structure
- README file explaining setup, credentials, and logic
- Commit history with feature-specific commits (no all-in-one commits)

Time Expectation & Final Note

This task is designed to be completed in 8-9 focused hours. You have up to 3 days to complete it. If you need more time or have constraints, please let us know. We're happy to accommodate if you're transparent about it.