Operations | Event rentals

Bibow Playground booking platform

Visit here

OVERVIEW

A mobile-first booking site and admin panel for an inflatable playground rental business: customers book from their phone, pay a fee by GCash or BDO, and the team verifies and confirms in one place.

ROLE	Full-stack web developer
PERIOD	September-November 2026
STATUS	Live

THE PROBLEM

Bibow Playground Rentals took bookings through Messenger conversations. Dates, venue details, payment screenshots, and follow-ups lived in chat threads, and customers could not see which dates were open. The business also needed a website that Google could find, since searches for the brand only surfaced its social pages.

FROM A PHONE BOOKING TO A CONFIRMED DATE

1. The customer picks a package, an open date and time, their contact details, the inflatable, and optional venue photos.
2. They send the request and receive a private booking link and a booking image to keep. They can pay the fee now or later from that link.
3. They pay the booking fee by GCash or BDO and attach a screenshot of the receipt.
4. The team compares the proof with their account, verifies it, and moves the booking to Confirmed. The customer sees the new status on the same link.

WORK DELIVERED

- Built a five-step booking form with live availability, promos applied automatically, and a quote of the known charges.
- Added private booking links so customers can return, check status, or pay later without refilling the form.
- Let customers attach up to five venue photos, shrunk on the phone before upload and deleted 30 days after the event.
- Built an admin panel with calendar, table, and Kanban booking views, payment-proof review, inventory photos, promotions, and payment settings.
- Added an elevator handling fee, a selectable end time with paid extra hours, and a turnaround buffer between events that customers never see.
- Prepared the site for search with a sitemap, structured business details, a link preview image, and an owner checklist for Google Search Console and Business Profile.

WHAT THE WORK ENABLES

- Requests, venue photos, and payment proof sit on one booking record instead of across chat threads.
- Customers see only open dates and start times, so double-booking depends less on manual checks.
- Payment verification is a deliberate step: staff review the proof, then confirm.
- Unpaid requests expire each morning, venue photos clear themselves, and every upload is stored as a small image.
- The site installs as an app on a phone and is live at bibow-playground.com.

CONSTRAINTS

Most customers book from a phone, often inside Messenger, on mobile data. Payments are manual (GCash and BDO), so the flow had to support receipts without a card gateway. Hosting costs had to stay low, and staff are not technical, so each change shipped with a short illustrated guide.

IMPLEMENTATION DETAILS

A Svelte 5 single-page app and a Hono API run as one Cloudflare deployment. Static pages are served as assets and only /api/* invokes the Worker. D1 holds bookings, inventory, and settings through Drizzle; R2 holds images, with D1 keeping metadata only. Admins sign in with better-auth, customer links use HMAC-derived tokens whose hashes are stored, Turnstile guards the booking form, and one daily cron expires stale requests. Queries are bounded, pages are capped, and booking requests carry an idempotency key so a network retry never creates a second booking.

TOOLS AND TECHNOLOGIES

Svelte 5 | TypeScript | Hono | Cloudflare Workers | Cloudflare D1 | Cloudflare R2 | Drizzle ORM | Zod | better-auth | Turnstile | PWA

DETAILED CASE STUDY

I built the booking website and admin panel for Bibow Playground Rentals, a mobile playground rental business in Valenzuela, Metro Manila, and Bulacan. Customers book from their phone; the team verifies payment and confirms the date from one place.

01 / THE PROBLEM

Bookings lived in chat threads

Requests arrived through Messenger. Dates, venue details, and payment screenshots were scattered across conversations, and customers could not see which days were open.

The business also had no website that Google knew about. Searches for the brand found its Facebook and Instagram pages but not a place to book.

02 / THE APPROACH

Design for a phone, manual payments, and a non-technical team

Most customers book from a phone, often inside Messenger. I kept the form to five short steps, let customers pay now or later through a private booking link, and shrank photos on the device before upload.

Payments are GCash and BDO transfers, so the flow centers on a receipt screenshot that staff review before confirming. Each change shipped with a short illustrated guide for the team.

03 / THE SOLUTION

A booking form, a payment-proof flow, and an admin panel

Customers choose a package, an open date and time, their contact details, and an inflatable, then optionally attach up to five venue photos. They get a booking reference, a private link, and a booking image to keep. Quotes include promos automatically and flag transport and stair fees as quoted separately.

Staff see requests on a dashboard and in calendar, table, and Kanban views. They open a booking, review the venue photos and payment proof, verify or reject the payment, and move the booking to Confirmed. Inventory photos, promotions, turnaround time, and payment details are managed in the same panel.

It runs as one Cloudflare deployment: a Svelte 5 app and a Hono API, with D1 for data and R2 for images. A daily job expires unpaid requests, venue photos are deleted 30 days after the event, and booking links use hashed tokens.

04 / WHAT CHANGED

One booking record, live on its own domain

The site is live at bibow-playground.com. Each booking now holds the request, venue photos, and payment proof in one place, and customers see their status on the same link they booked with.

After the owner tested the page, I added an elevator handling fee, a selectable end time, a clearer availability calendar, and a fix for the verification step that had blocked bookings on the new domain. I also wrote an owner checklist for Google Search Console and Business Profile. I have not included booking-volume or revenue figures because I do not have verified numbers.

A USEFUL PLACE TO START

What is slowing your business down?

Tell me about the workflow, the friction, and what a better version would look like.

Schedule a call

TO GOD BE THE GLORY!

And we know that all things work together for good to them that love God, to them who are the called according to his purpose.

- Romans 8:28