Capsule Corp. Store: Dragon Ball Z Merchandise

Mario Ojo 241334

Open Window, School of Fundamentals

Interactive Development 200

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IDEATION PROPOSAL

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CLIENT CONCEPTUALIZATION & PROBLEM STATEMENT

The Business Domain

Imagine if Bulma's Capsule Corporation (the tech giant in DBZ) sold absurd in-universe items directly to fans. This app parodies e-commerce by offering fictional DBZ products with exaggerated stats and humor.

The Core Problem

Fans can't buy iconic (but ridiculous) DBZ items like "Goku's Worn-Out Gi" or "Frieza's Missing Tail Chunk" anywhere.

Existing anime stores sell real merch, missing the opportunity for canonical humor.

Why This Solution?

Fills a niche: A 100% fictional store leaning into DBZ's over-the-top lore.

CRUD-ready: Perfect for managing products, carts, and "orders."

Engagement: Meme-worthy UX (e.g., "Your cart's power level is OVER 9000!").

Constraints

No real payments (mock "Dragon Ball Wish" checkout).

Limited to 10-15 products for MVP.

SYSTEM ARCHITECTURE

Tech Stack Justification

Technology	Why It's Used

React	Dynamic cart updates, DBZ-themed animations (e.g., Kamehameha button effects).
Node.js/Express	Lightweight backend to handle product data and cart logic.
MySQL	Structured storage for products/orders; easy to query (e.g., SELECT * FROM products WHERE power_level > 9000).

FEATURE REQUIREMENTS & SCOPE

MVP Features (Must-Have)

Product Catalog

View items with silly stats:

markdown

- Name: "Yajirobe's Half-Eaten Senzu Bean"

- Price: $999.99

- Power Level: -100 (Restores 0.5 HP)

Scouter Cart

Adds up "Power Levels" (price × random multiplier).

Displays "IT'S OVER 9000!" if total exceeds 9000.

Shenron Checkout

Click "Summon Shenron" → "Your wish is granted!" confirmation.
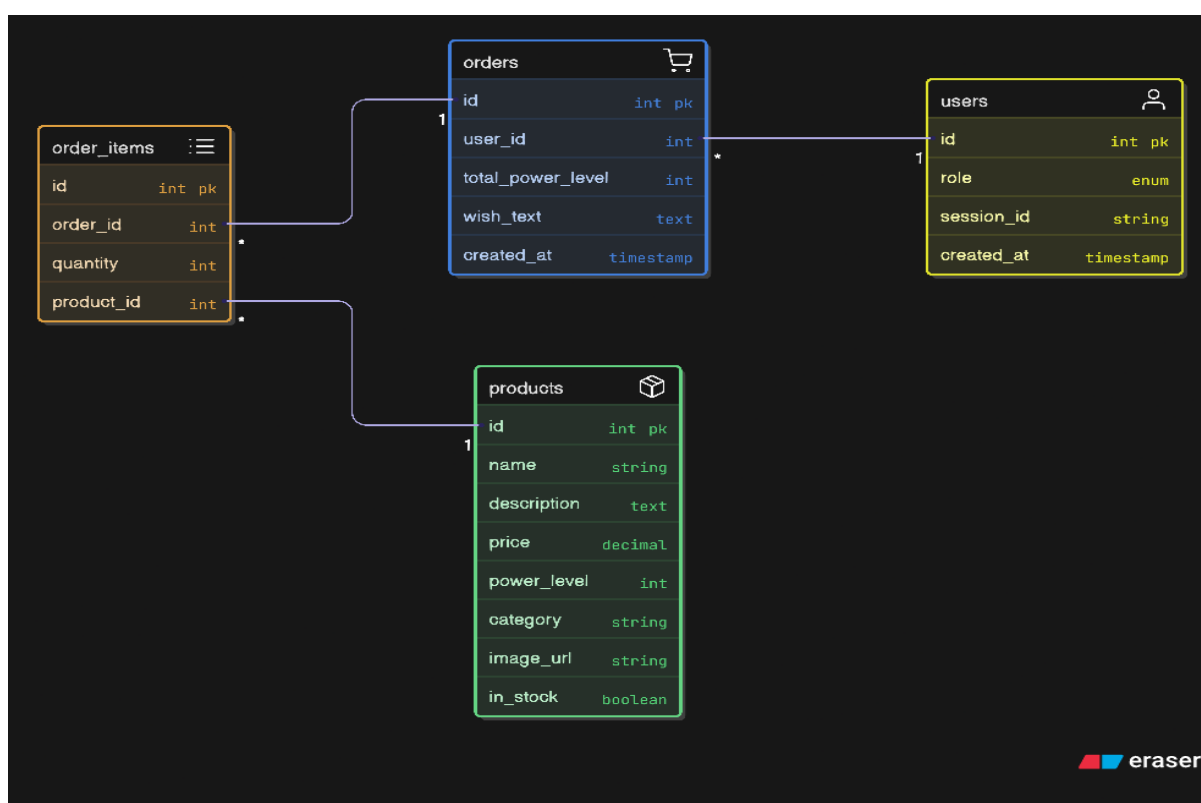
Nice-to-Have Features

"Z-Fighter Mode": Apply discounts like "Saiyan Pride (10% off if cart PL > 5000)".

"Dragon Radar": Fake item tracker showing "Delivery en route via Nimbus Cloud."

User Roles

Role	Permissions
Customer	Browse, add to cart, "purchase".
Admin	Add/restock products (password: "Shenron").

DATABASE DESIGN (ERD)

WIREFRAMES & UI/UX DESIGN

Key Screens

Product Listing Page

- **Product cards with power level tags**

- **Animated "Add to Cart" buttons (e.g., explosion FX)**

Cart Page

- **Styled like a scouter interface**

- **Displays current cart items + power level total**

Checkout Page

- **Summon Shenron (animation of 7 Dragon Balls)**

- **Shows "Your wish is granted!" mock confirmation**

Moodboard

- **Color Scheme: Capsule Corp. Blue, Saiyan Armor Yellow, DBZ Orange**

- **Fonts: Bold, high-contrast anime typography**

- **Micro-interactions:**

  - **Hover = "KAMEHAMEHA!" glow**
  - **Cart shakes when power level exceeds 9000**

PROJECT TIMELINE

4-Week Gantt Overview

Tasks	Deliverables
Backend API, MySQL setup	Product endpoints, database tables
React UI (listings, cart)	Functional product catalog
Cart logic, power calculator	Scouter cart, checkout animations
Testing, polish, deployment	Final MVP live on Netlify/Vercel

Methodology

- **Agile (1-week sprints)**

- **Trello board for task tracking**

- **Solo daily check-ins & GitHub version control**

RISKS & MITIGATION

Risk	Mitigation Strategy
Cart bugs / logic fail	Use localStorage for cart fallback
Humor lost on audience	Add "Lore Primer" explaining parody elements
Animations too slow	Use CSS transforms instead of JS-heavy effects

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Final Pitch

The Capsule Corp. Store is a creative CRUD project that blends fan service with technical proficiency. It showcases:

- **RESTful backend logic**

- **Engaging, meme-worthy UI**

- **Clean MySQL integration**

- **Thoughtful UX with humor and accessibility**

This is more than a parody—it's a fully functional, structured web app delivered with flair.