

Hackathon Brief - Yachtdrop Online Chandlery

Overview

Today you'll build a **mobile-first online chandlery marketplace** that lets yacht crews order parts and supplies for **delivery directly to their boat in the marina or request pickup**.

This is **not** a traditional e-commerce website.

It should feel like using a **native mobile app**, but run entirely in the browser.

Think: App experience. Website delivery.

Product source: nautichandler.com

Brand & destination: yachtdrop.com

UX inspiration: Uber Eats app / website

Please present your project via <https://www.loom.com/> and send the link to email to christian@marinenanotech.com.

Objective

Create a **working MVP web page** that:

- Pulls live product images
- Pulls descriptions
- Pulls pricing
- Matches Yachtdrop branding
- Allows:
 - Delivery to boat / marina
 - Pickup
- Feels like a **native mobile app experience**

The goal is: **“Order boat parts as easily as ordering food delivery.”**

Experience Requirements (App-like, not website-like)

It should feel like:

- Native app
- Fast and lightweight
- Thumb-friendly
- Minimal taps
- Smooth navigation
- Instant feedback

Recommended patterns

- Card-based browsing
- Sticky bottom cart
- Slide-in panels/drawers
- Bottom navigation
- Infinite scroll
- Quick add buttons
- Skeleton loaders
- Caching/offline tolerance

Avoid

- Desktop-style layouts
 - Multi-page reloads
 - Dense tables
 - Long forms
 - Clunky navigation menus
-

Core User Flow

Design for real crew behavior:

Low time. On deck. Patchy signal. One hand free.

They should be able to:

1. Open site
 2. Browse/search instantly
 3. Add items quickly
 4. Choose delivery or pickup
 5. Checkout
-

Deliverables

Must have

- Live ingestion from Nautichandler (no hardcoding)
- Product cards (image, name, price, short description)
- Search or filtering
- Cart/basket
- Delivery vs pickup selection
- YachtDrop-branded UI
- Mobile-first responsive design
- Hosted or runnable URL

Strongly encouraged

- PWA behavior (installable / app-like)
 - Client-side routing (no reloads)
 - Caching layer
 - Smooth transitions
 - Fast load times
 - Mock checkout
-

Technical Freedom

Use anything:

- Any stack (React/Next/Vue/etc.)
 - Scraping or APIs
 - AI tools
 - Server/client rendering
 - Edge or caching layers
-

Judging Criteria

Projects will be evaluated on:

- Live data integration
- App-like UX feel
- Speed/performance
- Branding alignment
- Delivery/pickup flow clarity
- Technical execution
- Creativity

Demo Format

1. Problem
 2. Architecture approach
 3. Live walkthrough (mobile and or web view)
 4. A link so we can view the page
 5. Tradeoffs
 6. What you'd build next
-

Creative Freedom

Feel free to run wild on this.

Add smart features.

Try bold UI ideas.

Use AI.

Automate things.

Prototype aggressively.

Surprise us.

As long as:

- It uses live data
- It works
- It feels like Yachtdrop
- It feels like an app

Everything else is fair game.

GOOD LUCK!