MERIDIAN

Frontend Engineer - Take Home Challenge

Context

Imagine you've joined **Arrakis**, a fictional SaaS that delivers **"Spice"** - **AI-generated daily "ops insights"** for small e-commerce businesses (inventory alerts, marketing tips, customer-support anomalies, etc.). Store owners log in each morning and want to know, in minutes, **what deserves attention and what can wait**.

Scenario - The product team hands you this brief:

"Design the simplest, fastest interface for a busy shop owner to review AI insights, understand why each matters, and either dismiss, snooze, or turn an insight into an actionable task."

Constraints & data you can assume:
- Users have <5 min each morning.
- Each insight comes with priority, category, date, related information, suggested action.
- Tech stack: **Next js, shadcn/ui, Tailwind**. Brand vibe: crisp & minimal (think Linear).

Data schema examples:

```json
[
  {
    "id": 1,
    "title": "Inventory running low on SKU-A12",
    "priority": HIGH,
    "category": "Inventory",
    "confidence": 0.87,
    "date": "2025-07-28",
    "evidence": "https://example.com/sku-a12-sales-chart.png",
    "suggestedAction": "Order 500 more units before Friday."
  },
  {
    "id": 2,
```

```
        "title": "Spike in 5-star reviews after TikTok mention",
        "priority": MID,
        "category": "Marketing",
        "confidence": 0.81,
        "date": "2025-07-28",
        "evidence": "https://example.com/review-trend.png",
        "suggestedAction": "Boost TikTok post and reply to top comments."
    }
]
```

Your Task

Create a mini React application (using shadcn/ui + Tailwind) that lets the user triage insights in under five minutes.

1. **Assumptions & Flow**

   In your README (≤½ page), outline the persona, key goals, and the high-level morning flow from "opens dashboard" ➜ "handles insight".

2. **Working Interface**

   Build a small React / Next js app that loads **mock insight data** from a local JSON file and provides three core views:

   1. **Daily Overview (Home)** – list or card grid of today's insights sorted by priority.
   2. **Insight Detail** – click/expand to show evidence (URL or placeholder image) & suggested action.
   3. **Action Interaction** – buttons or dropdown to **Dismiss**, **Snooze** (tomorrow / next week), or **Add to Task List** (in-memory list).

   State can live in React context or local component state; persistence beyond refresh isn't required. Aim for clean layout, sensible color hierarchy, and smooth interactions.

3. **Component Breakdown**
   In the README, bullet which shadcn primitives you used or extended (e.g., Card, Badge, Dialog, Table, Popover, Command).

4. **Rationale**
   Brief bullets on why your information hierarchy and interaction choices help the user hit the 5-minute review goal.

You're encouraged to expand on the interface and take it where you feel best serves the persona's needs.

Submission Instructions

Push your code to a GitHub repo (private or public), or send a ZIP file.
Include a **README** with:

- Setup instructions
- Notes on any trade-offs or assumptions you made

Send to zack@trymeridian.com

Good luck, we're excited to see what you create!