Product Requirements Document (PRD)

*… with vibe!*

🎯Your Mission

* **Project Name**: [Your cool project name]
* **One-Line Pitch**: [e.g. "An app that tells you today's weather + stocks"]
* **Why It Matters**: [Describe the epic value you’re delivering]

🚀Objectives & XP

* **Objectives (Level Up!):**
  + ✅ [Primary objective]
  + ✅ [Secondary objective]
* **Success Metrics:**
  + ✅ Response time < 200 ms
  + ✅ Uptime ≥ 99 %

👥 Who’s Playing

|  |  |  |
| --- | --- | --- |
| **Persona** | **Wants…** | **So they can…** |
| Commuter | Current weather | Plan their day |
| Investor | Latest stock price | Make informed trades |
| Your Persona | [Add your own persona] | [Their benefit] |

🛠️Must-Haves & Bonus Rounds

* **Core Features:**
  + ✅Fetch weather via API
  + ✅Show stock quotes in real-time
* **Bonus Rounds:**
  + 🚀 Theme switcher (light/dark)
  + 📊 Simple charts for data visualisation
* **Non-Functional Goals:**
  + ⏱ Loads in < 1 s
  + 🔒Handles errors gracefully

🔗

* **Team & Tools**
* **Dev Setup:**
  + VS Code + GitHub Copilot + Live Server extension
  + Plain HTML5, CSS3 and modern JavaScript (ES6+)
* **APIs:**
  + Weather API: [Name + URL]
  + Finance API: [Name + URL]

💻Vibe Coding Plan

We’re building a zero-backend static site. However you can build sites with backends, databases and other features with the same tools.

🔍**Clarify & Configure**

* 🔹 AI Kickstart: Prompt Copilot/ChatGPT: "Generate index.html (HTML5 boilerplate), css/styles.css, js/app.js, add Live Server config, and initial git setup with .gitignore for node\_modules and .DS\_Store."
* 🔹 **Review & Commit**: Verify file structure, then
  + **git add .**
  + **git commit -m "Initial static site scaffold"**.

🧪 **Prototype & Flow**

* 🔹 **Stub UI**: Hardcode a simple HTML form or placeholder div for output.
* 🔹 **AI Assist**: Accept Copilot suggestions to write fetch calls in app.js, then tweak selectors.
* 🔄 **Fast Loop**: Save, let Live Server reload, inspect browser, adjust.

✅**Integrate & Validate**

* 🔌 **Real API Swap**: In app.js, replace demo data with fetch('https://...weather').
* 🧑‍💻 **AI-Test Prompt**: "Write JS code to display API response in HTML, handling errors."
* 🌐 **Browser Test**: Use DevTools console and UI to confirm success and error cases.

📦**Refine & Ship**

* 🎨 **Style It**: Tweak CSS for layout and visual polish.
* 🛡 **Robustness:** Add JS try/catch, user feedback (loading spinners, error messages).
* 📄 **Docs & Comments**: Update README with instructions on Live Server and usage.
* 🚀 **Deploy**: Push to GitHub and enable GitHub Pages for free hosting.

📆 **Milestones & Level Ups & Level Ups**

* **Week 1**: Project setup & skeleton complete
* **Week 2**: MVP with mock data ready
* **Week 3**: Full API integration tested
* **Week 4**: Polished app & deployment

🧪 **Test It!**

* Use Co-Pilot to write test plans and execute them.

*Customise anything to make this project truly yours. Good luck and have fun!*