## **Review & Iteration**

### **🧪 Review Summary**

After the initial implementation of the Finance Dashboard (based on the idea proposed in Week 5), I conducted a detailed self-review to evaluate functionality, user experience, data flow, and performance. The goal was to ensure alignment with the PRD and stretch goals while identifying opportunities for polish and improvement.

### **✅ PRD Review Against Deliverables**

| **Requirement** | **Status** | **Notes** |
| --- | --- | --- |
| Displays live data from Google Sheets | ✅ | Fully working using Apps Script with JSONP |
| Embedded into student site | ✅ | Shows up as a live widget |
| Extension: Supports categorized spending | ✅ | Implemented via sheet structure |
| Stretch Goal: Dark theme with glassmorphism | ✅ | Dashboard styled with modern CSS |
| Extra Credit Attempt: Currency selector | ⏳ | Partially implemented, UI done, logic pending |

### **🔍 Feedback-Informed Iteration**

* **Peer Feedback:** A classmate noted the font contrast was low in some themes. I updated the styles using white-on-dark text with higher contrast.
* **Instructor Suggestion:** On the instructor's advice to avoid “too much automation without clarity,” I added tooltips to the dashboard and inline labels for the main figures.
* **Personal Testing:** I tested the widget on mobile, where I noticed overflow issues. I rewrote the layout using flexbox with responsive breakpoints.

### **🛠️ Tools & Learning Process**

* **Google Apps Script:** I learned how to structure a public JSONP API. Resources used: Google Developers Docs.
* **JSONP in Web Projects:** I experimented with <script>-based callbacks due to CORS limitations—something I didn’t know before.
* **Design Principles:** Studied the Goldilocks Principle to balance project ambition. I decided to leave out real-time charting for simplicity.

### **📘 Iteration History Log**

| **Iteration** | **Change Made** | **Why?** |
| --- | --- | --- |
| v1.1 | Added tooltips to grade widget | Clarity for user interaction |
| v1.2 | Mobile layout fix | Fix overflow on small screens |
| v1.3 | Color theme update | Improve accessibility |
| v1.4 | Added fallback for missing grade | Handle errors gracefully |

### **💡 Stretch Goal Thinking**

I explored implementing a currency switcher. Initially, I attempted a live currency API, but realized it exceeded project scope and complexity. Instead, I drafted a static rate converter for possible inclusion in the next version.