UGAHacks Project Log

Project Information

Project Title: HeyLucy!

Team Members: Leen Quazi, Griselda Castro, Jazmin Sanchez

Tier Level: Intermediate

Project Description: HeyLucy! is a women's health MVP focused on menstrual cycle tracking, phase-based education, and wellness resources. The core experience is a calendar that predicts phases based on logged period start dates. Users can log new cycle starts to update predictions. Educational content is non-diagnostic and is enriched with MyHealthfinder public health content.

Friday

Kickoff day. We focused on brainstorming, scope, and product direction rather than implementation.

Goals

- Define the problem space and what Lucy should do for users.
- Brainstorm features beyond tracking (care navigation, screening support).
- Outline what could realistically fit into an MVP.

Progress

We did not code much on Friday. Instead, we explored a broader vision for HeyLucy!, including an AI-assisted health navigator that could connect users to relevant providers and specialists based on their tracking data. We also discussed a guided "at-home" education section (tests, prevention, and learning) as a pre-step before booking care. Another idea was a doctor-visit survey that users could complete and export as a PDF report, including their cycle history and any abnormalities detected from tracking and public health research. We also planned reminders to prompt users to log their period start if it didn't occur near the predicted date, so Lucy stays accurate and relevant.

Challenges

1. The initial scope was too large for the hackathon timeframe.
Solution: Agreed to simplify into a focused MVP while preserving the long-term product vision.

Learning

- Clarified which features are MVP-critical versus long-term roadmap.
- Mapped a user-centric flow for cycle tracking and care support.

AI Usage (if any)

Tool used: AI assistant
Purpose: Research and debugging support.
How it contributed to learning: Helped explore edge cases in date logic and validate API integration steps.

Saturday

Main build day. We started coding and narrowed the scope to a working MVP.

Goals

- Implement the core tracking UI (calendar + logging).
- Integrate a credible public health data source.
- Add a simple resources hub to improve usefulness.

Progress

We built the core UI: onboarding, calendar, Track tab, and Resources tab. We switched the health content source from CDC to MyHealthfinder (publicly accessible) and added a Vercel proxy to bypass CORS. We also added video thumbnails for education content and ensured attribution requirements were met.

Challenges

1. The original feature set had to be reduced due to time and complexity.
Solution: Focused on a stable MVP with cycle logging, calendar prediction, and educational content.

2. Firebase Functions required a paid Blaze plan, which introduced unexpected costs for a hackathon MVP.
Solution: Switched to Vercel serverless functions for the proxy and free deployment.

3. MyHealthfinder API blocked by CORS in browser.
Solution: Implemented a Vercel serverless proxy and added caching + rate limits.

4. Deployment issues (missing root `index.html`, cached builds, and a JS syntax error).
Solution: Re-synced the repo with a clean clone, fixed the syntax error, and redeployed.

Learning

- How to safely reduce scope while protecting core UX value.
- Serverless proxy patterns for public APIs.

- Static deployment workflows on Vercel.

AI Usage (if any)

Tool used: AI assistant
Purpose: Debugging and API integration guidance.
How it contributed to learning: Clarified CORS constraints and helped plan a lightweight serverless proxy.

Sunday

Finalization day. We focused on documentation and submission readiness.

Goals

- Finalize documentation and submission assets.
- Verify the deployed build and confirm core flow stability.
- Prepare for final submission.

Progress

We finalized the project log, verified the live build, and documented the MVP's capabilities and limitations for submission.

Challenges

1. Time constraints for final polish and submission readiness.
Solution: Prioritized documentation and core user flow verification.

Learning

- Managing multiple period logs for accurate predictions.
- Improved UI/UX flow for logging and confirmations.

AI Usage (if any)

Tool used: AI assistant
Purpose: Debugging assistance only.
How it contributed to learning: Helped trace a syntax error and validate log-based phase calculations.

Submission Checklist

- Project GitHub Repo: LQuaziUGA/HeyLucy
- Readme file (summary of project log)
- Completed Project Log as PDF

- Live Project Site (optional): https://hey-lucy.vercel.app/