

Architecture Diagram and Monthly Cost Model

This document contains an architectural diagram of the FIA app based on the hosting options that work best for the MVP. It also contains a cost breakdown.

Architecture Diagram

[User Device (Browser or Mobile)]



[Frontend: Flask + Jinja or Django]



[Backend: Flask + Python or Django + Python]



[SQLite or PostgreSQL (scalable)]



[Hosting: Render/Heroku or Google App engine (scalable)]

Monthly Cost Breakdown

- Front-end: Flask + Jinja is free / open-source.
- Back-end: Flask + Python is free / open-source.
- Database: SQLite then PostgreSQL is free to an extent.
- Hosting: Heroku is \$5/month with free Postgres hobby-tier(10,000 rows).
- Collaboration: Github is free.

The total cost per month would be no more than \$10. Most of the hosting options are free / open-source. Hosting the web application on Heroku would be \$5 per month. In a year of operation, it would come to ~\$60 per year.