Host Options Scoreboard - FIA MVP

This document contains a scoreboard of the best coding stack and hosting platforms for the FIA app so the team can start the MVP with the most appropriate options.

Frontend Frameworks

Options	Pros	Cons	Source	Score
Flask + Jinja	Good for students familiar with HTML/CSS	Less things than React	Free/Open-Source	4 / 5
Django	Easy integration	May be too much for simple outlines	Free/Open-Source	4 / 5
React	Big ecosystem with many components	More of a learning curve	Free/Open-Source	3 / 5

Backend Frameworks

Options	Pros	Cons	Source	Score
Flask + Python	Easy and simple for MVP	Not many features available	Free/Open-Course	5 / 5
Django + Python	Common features and components included	Bigger footprint	Free/Open-Source	4 / 5
C	Less control and flow	Complex for an MVP	Free/Open-Source	2 / 5

Database Options

Options	Pros	Cons	Source	Score
SQLite	Easy setup, works well with python	Not scalable	Free	4 / 5
PostgreSQL	Robust and	Needs setup, may	Free	4/ 5

	scalable	be extra for MVP		
Firebase/firestore	Automatic scaling	Less conventional for FIA	Free	3 / 5

Conclusion

      The best options for the frontend framework would be Flask + Jinja or Django. These frameworks are simple and familiar for the FIA team. Although React is a good option with many components, it is more complicated than necessary for an MVP.

      The best options for the backend framework would be Flask + Python or Django + python. These frameworks are easy and simple with many components available. They are also free and open-source and work well with some database options. C is a little more complicated and larger than necessary for an MVP.

      The best option for database options is SQLite or PostgreSQL. These options are easy, accessible, scalable, and work well with some backend options. Firestore is good but not necessarily the best fit for the style of the FIA app.