Brief: Create a Data Dashboard Using OpenF1 API and Chart.js

Objective:
Develop a modern, responsive data dashboard that visualizes Formula 1 data from the *OpenF1* API using *Chart.js* for data visualization.

Data Integration:
Fetch live and historical F1 data from the *OpenF1* API (e.g., race results, driver stats, lap times).

Data Visualization:
Use *Chart.js* to create interactive and visually appealing charts (e.g., line charts for lap times, bar charts for team points).

Frontend Development:
Build with modern web technologies.
Ensure the design is responsive and mobile-friendly.

Deliverables:
A *GitHub* repository with clean, well-documented code.
README with setup instructions and a description of features.

Additional Features:

- Multiple tabs or sections for race results, driver comparisons, and team standings.
- Include filtering options (e.g., by season, driver, or team).
- Real-time updates where possible (e.g., during live races).
- Search and filter functionality for specific drivers, races, or seasons.

Performance:

- Optimize API calls to ensure fast load times.
- Implement caching for frequently accessed data.

Links:
OpenF1: https://openf1.org/
Chart.js: https://www.chartjs.org/