

Designing Proper APIs

What Makes a Well-Designed API?

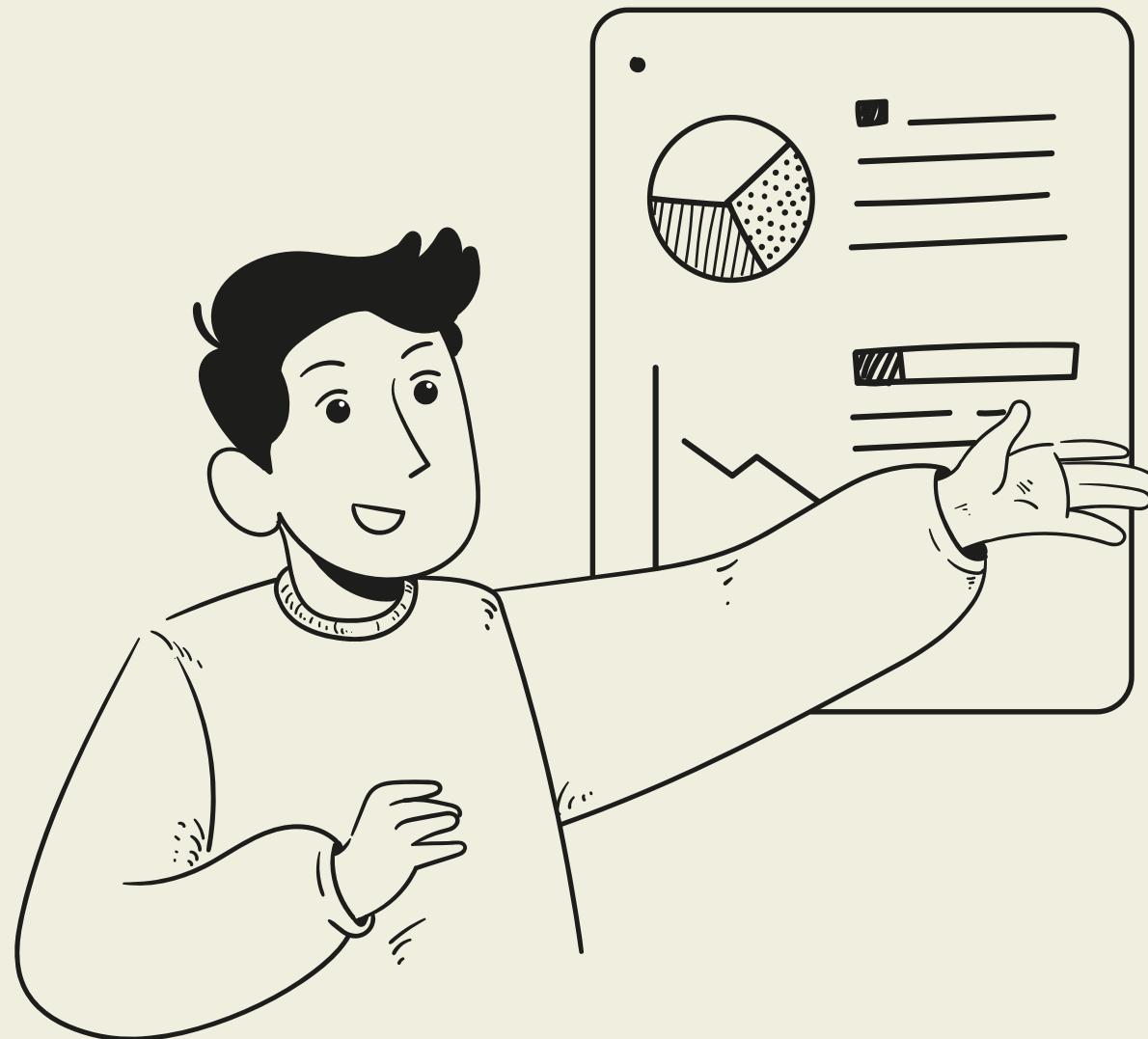
"APIs aren't just about data transfer – they're about creating smooth developer experiences."

Yahya Nashar

Full Stack Software
Engineer



Swipe Left



1. Easy to Read & Work With

A great API feels intuitive:

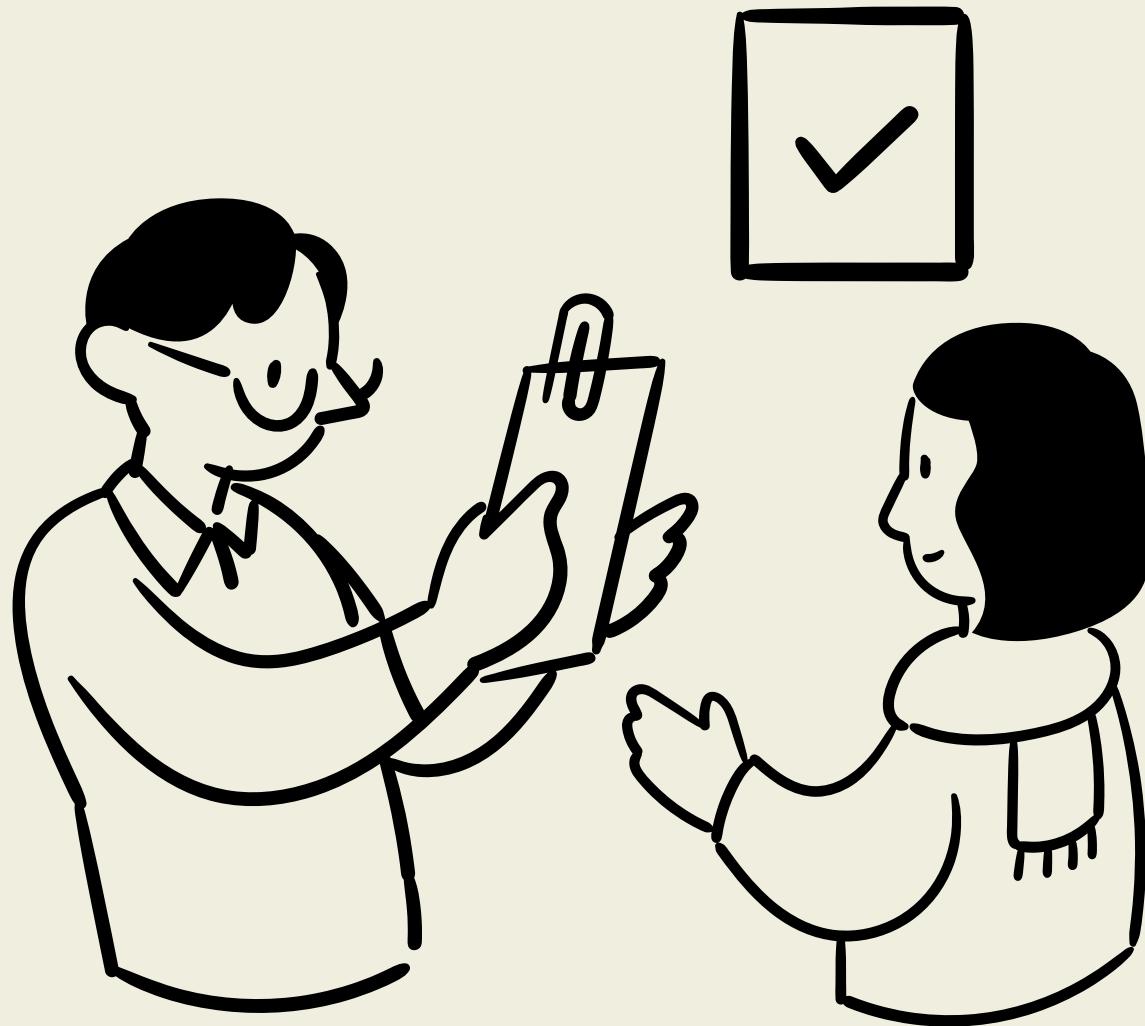
- Resources and operations are clear.
- Naming conventions are consistent.
- Developers can quickly memorize endpoints they use often. Think of it as “developer-friendly UX.”



2. Hard to Misuse

A safe API reduces errors:

- Straightforward integration.
- Clear request/response formats.
- Minimal room for ambiguity.
- Good design prevents mistakes before they happen.



3. Complete & Concise

Balance is key:

- Exposes everything users need.
 - Avoids unnecessary complexity.
 - Covers common use cases without bloat.
- Nothing missing. Nothing extra.



4. Well Documented

Great docs = happier devs:

- Full coverage of functionality.
- Practical examples.
- Clear explanations of parameters and responses.



5. Reliable

Trust is everything:

- Always available, minimal downtime.
- Changes communicated properly.
- Predictable performance under load.