

# Build.WithConfidence();

on API design, fluent interfaces  
and the builder pattern

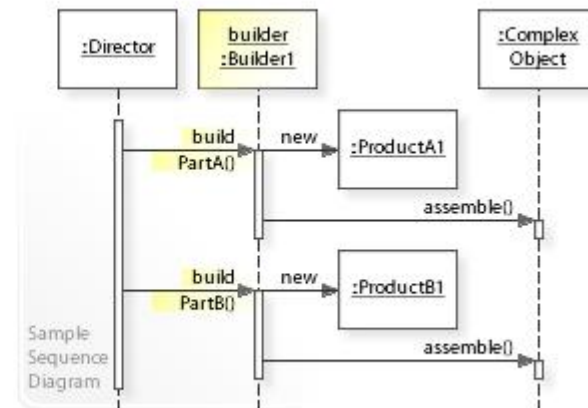
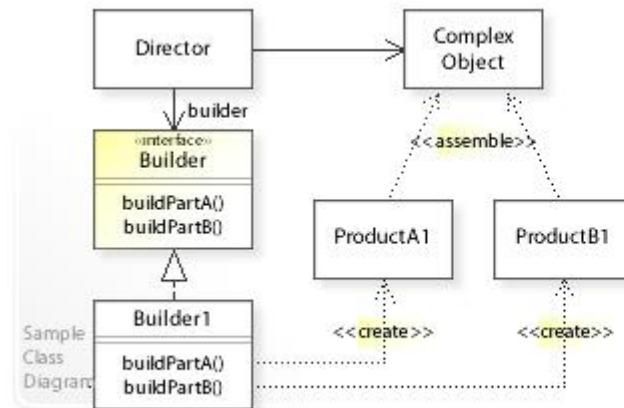
Bernhard  
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- studying **psychology** and **philosophy**  
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# Let's start with some UML...





**David K.**   
@DavidKPiano



```
can(2020)
  .beTheYear()
  .thatWeStop()
  .making(apis && libraries)
  .thatLookLike(this)?.please;
```

(or am I the only one who doesn't like overused builder patterns?)

9:13 PM · Nov 29, 2019 · [Twitter Web App](#)

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- un-tree-shakeable
- not needed (TypeScript + JSON)
- high maintenance cost
- finishing problem

**better:** *functional piping; composition; objects; await/yield*

“

In software engineering, a **fluent interface** is an object-oriented API whose design relies extensively on **method chaining**. Its goal is to increase code legibility by creating an [internal] domain-specific language (DSL).

“

The **builder pattern** is a design pattern [...]. It's intent is to separate the construction of a complex object from its representation.

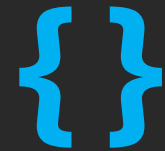


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Fluent interfaces **make sense in some APIs**, like the QueryBuilder, or in general **builder objects**, especially when it comes to **putting together nodes into a hierarchical structure**.

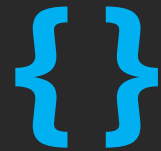
# TOC

- autocompletion and static types as a navigation system (AaSTaaNS)
- How to write a library with git in mind?
- writing code vs. reading code
- Why I am studying psychology...
- "Oxford English Dictionary" - my new favorite dev tool



# Findings (C#)

- Extension Methods
- ``using static ...``
- Composition
- utilize Properties
- ~~`.Build()`~~
- Indexed Builder
- Skipping (inheritance)
- DSL as Extension



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<https://github.com/innerspacetrainings/Statecharts.NET/>