Builder Patter

* Gategosization

Design petterns one typically split into three categories:

Ly This is collect gamma contegorigation after Enich Gamma, one of GoF

(1) Concertioned Pettern

Lo Deal with the Creation (construction) of Objects.

(2) Stowetund Pattern

Classes that are involved. Los Stress the important of good. API design.

(3) Behaviord Patterns La They one all different; no cantrel theme.

* Builder design potter

"When construction gots a little bit too complicated"

- Bonne objects one simple and carbe coneded in a single Constructor Coll.
- => Other objects orequire a lot of concurring to Creets.
- => Maving a object with lo Constructor arguments
 is not productive.
- => Instead, opt for piecewise Comstruction.
- => Builde provides am API for Constructing an object St.p-by-Step.

Exaple
Class you not to built
Heml Element

Hemi Element Builder. Class word to build Html Element

- => Fluent interfore (ontime class orafformed).
- => You can have Static HemIElem + Builder'im Bide
 he hemIElemst class hat order instace of hemIElent Builder.
 - => You can't define opendar HtmlElematl) const for implisit Convocion HtmlElemal Bulder to MbulElemand.
- Force use of Heml Element Builder.

 La Make Heml Element Builder friend in Heml Element.

Domain specific language the the chi.

> Using initialized list.

* Builder Feeets

"Facets is another design pattern"

> More the one builder to wark on an object.