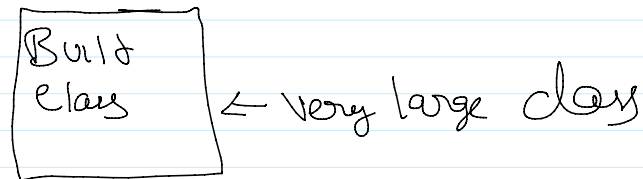


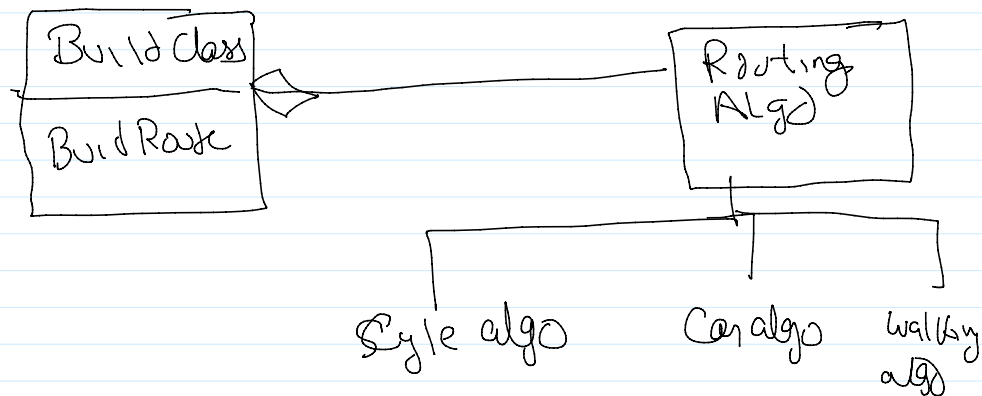
Intent - Define a family of algorithms, encapsulate each ~~one~~ one & make them interchangeable

Example - We have a class called Build ~~route~~ which focus on creating routes especially for car. ~~Now~~ Now we add logic for walking, cycling in that class. The class becomes complex. Ⓢ



So using Strategy pattern we separate the algorithm for Car, cycle, walking and use the class using composition

So



Client will do

new Build class (new cycle)

APPLICABILITY

- Many Related class ~~only~~ differ only in their behaviors
- Need Many different algorithms

Participants

- 1 Strategy (Routing algo) - Declares an interface common to all supported algorithms.

- 2 Concrete Strategy - (Cycle Algo, Walk Algo) - Implements the algo using Strategy interface
- 3 Context (Build class) - Maintains a reference with a concrete Strategy.

- Can create child of Context ~~and~~ like Factory and these child then uses concrete Strategy. But this makes it harder
- Strategy eliminates conditional statements
- Client have to be aware of the algo.