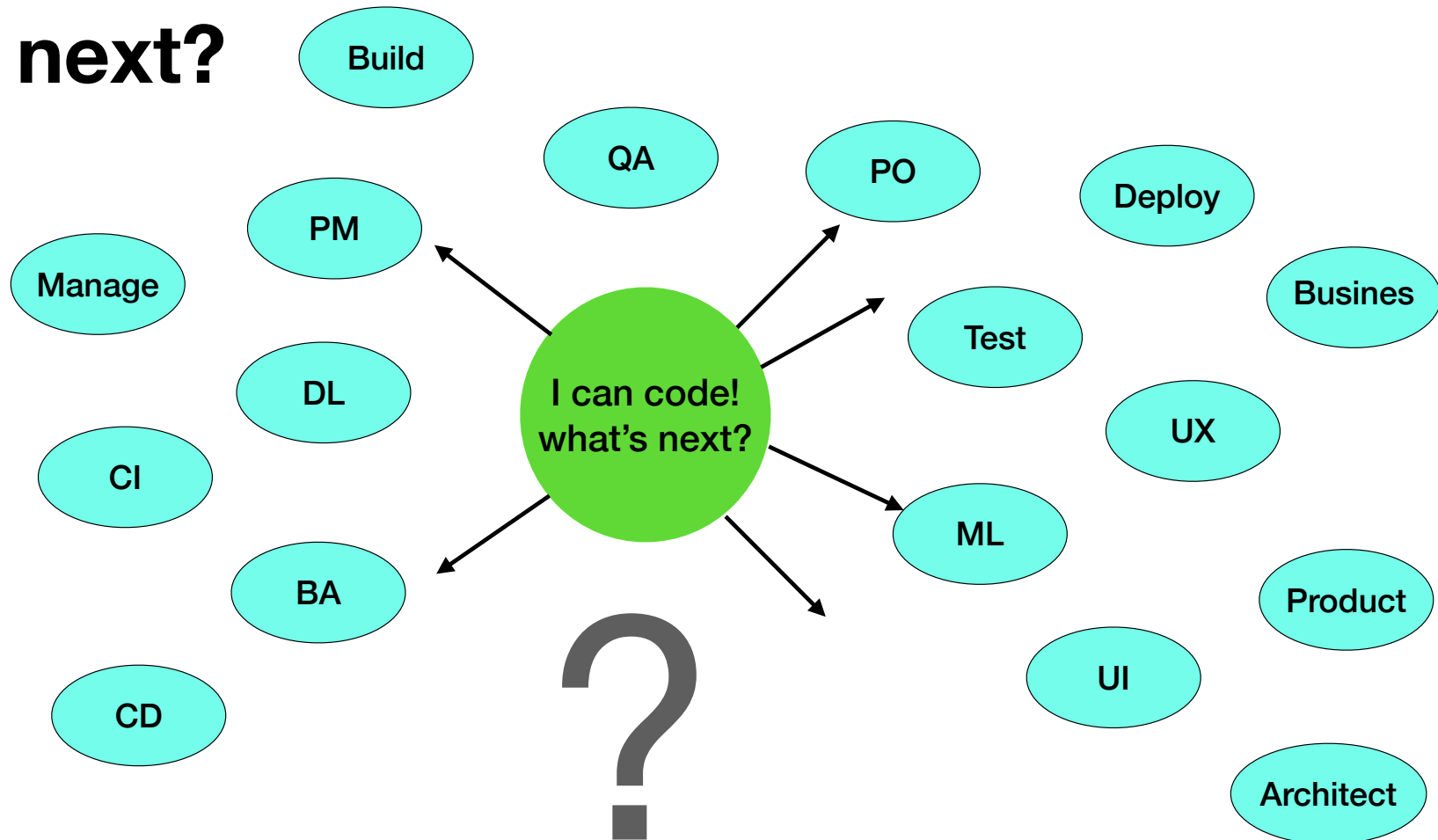


From Coding To Engineering

Alexey Rykhalskiy 11.01.2022

What's next?



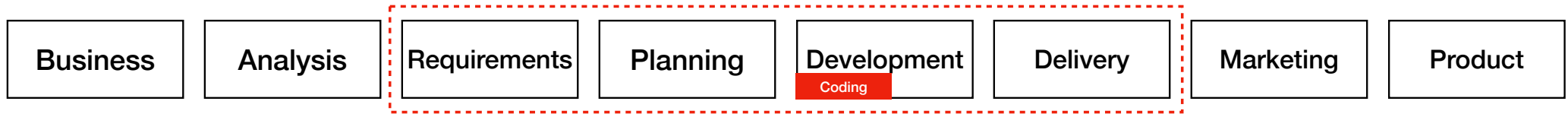
Product Lifecycle



Product Lifecycle



Product Lifecycle



Software Development Lifecycle



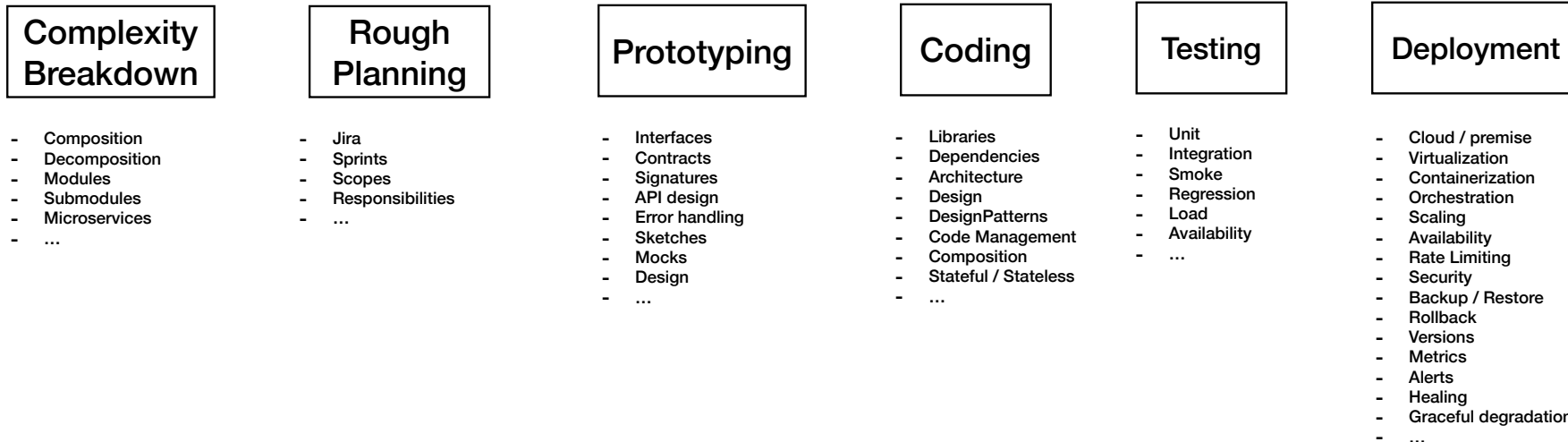
Software Development Lifecycle



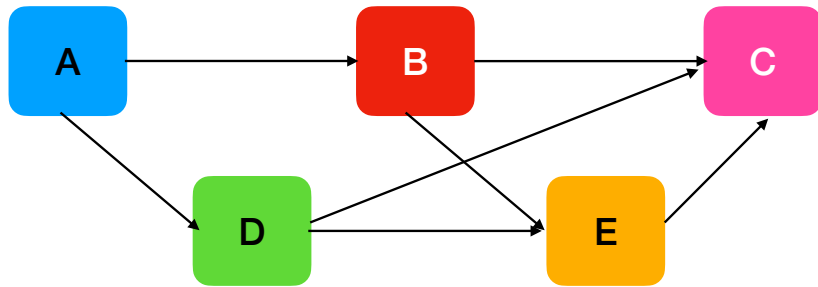
Software Development Lifecycle



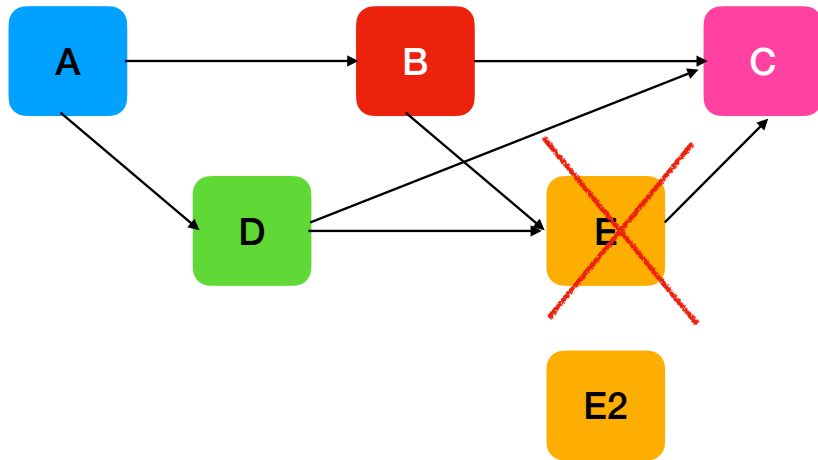
Software Engineering Lifecycle



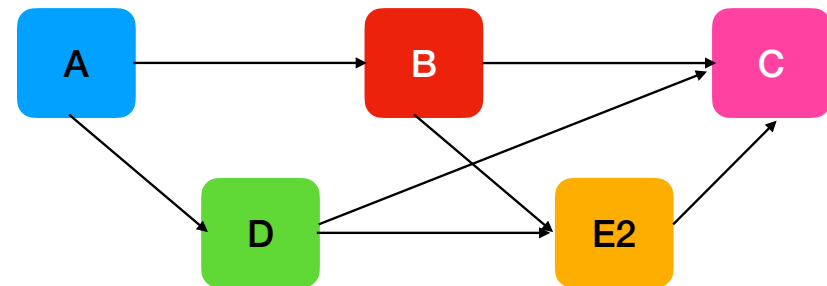
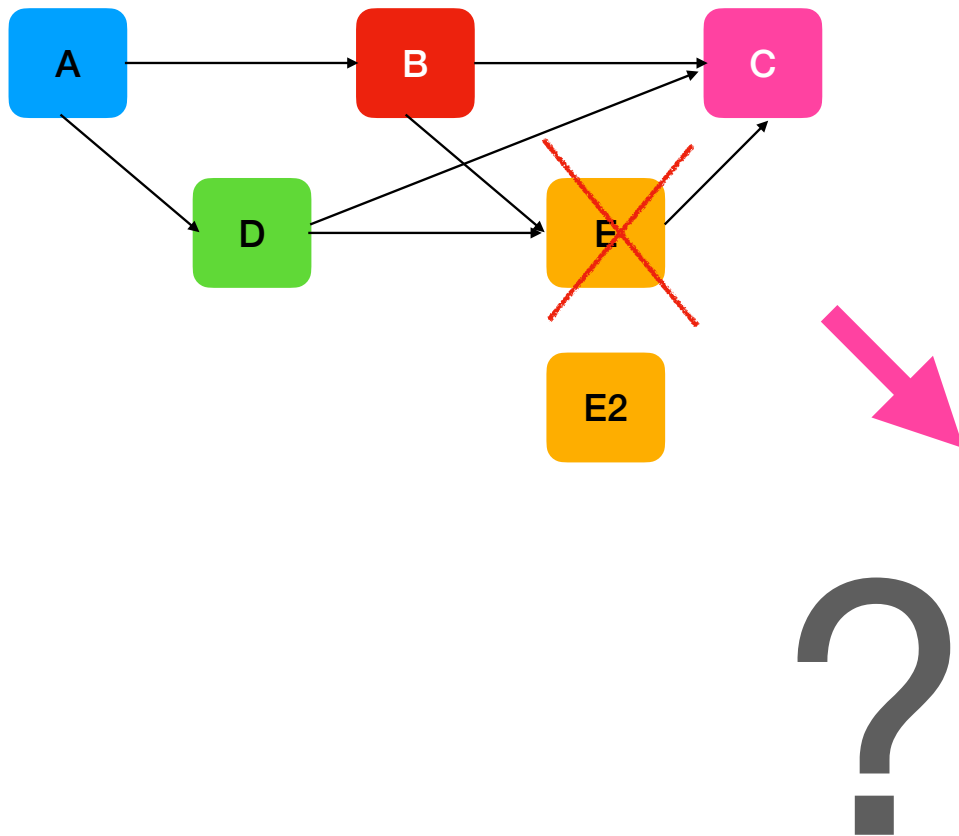
Maintainability. Composability. Testability 1



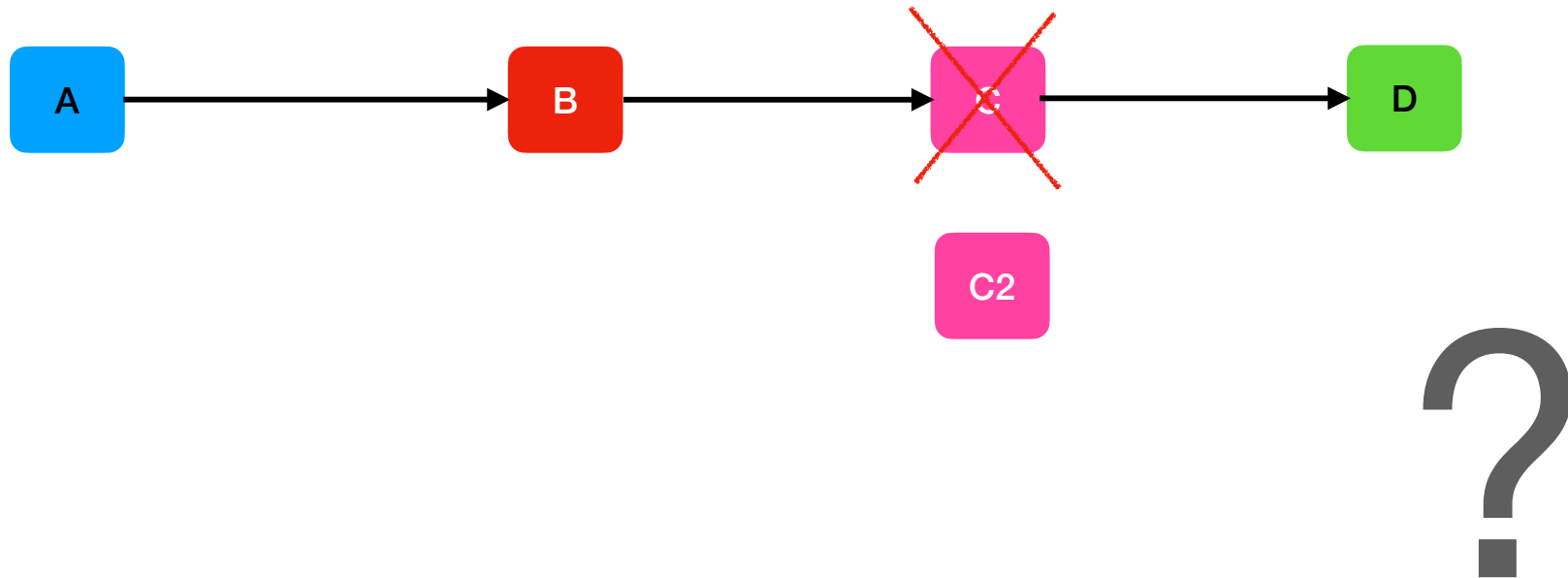
Maintainability. Composability. Testability 2



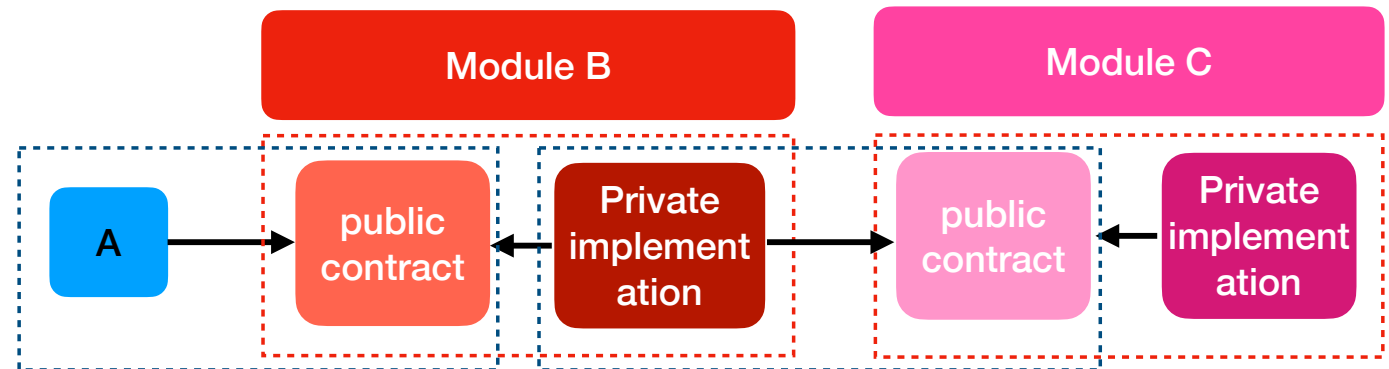
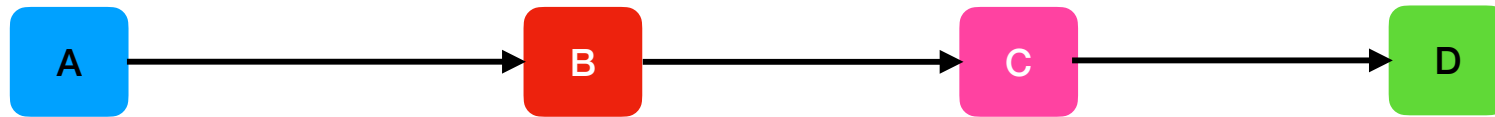
Maintainability. Composability. Testability 3



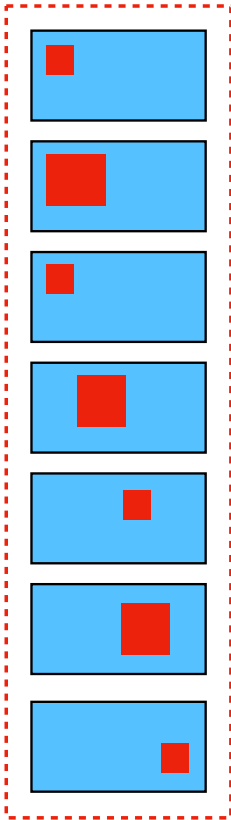
Fix The Contract!



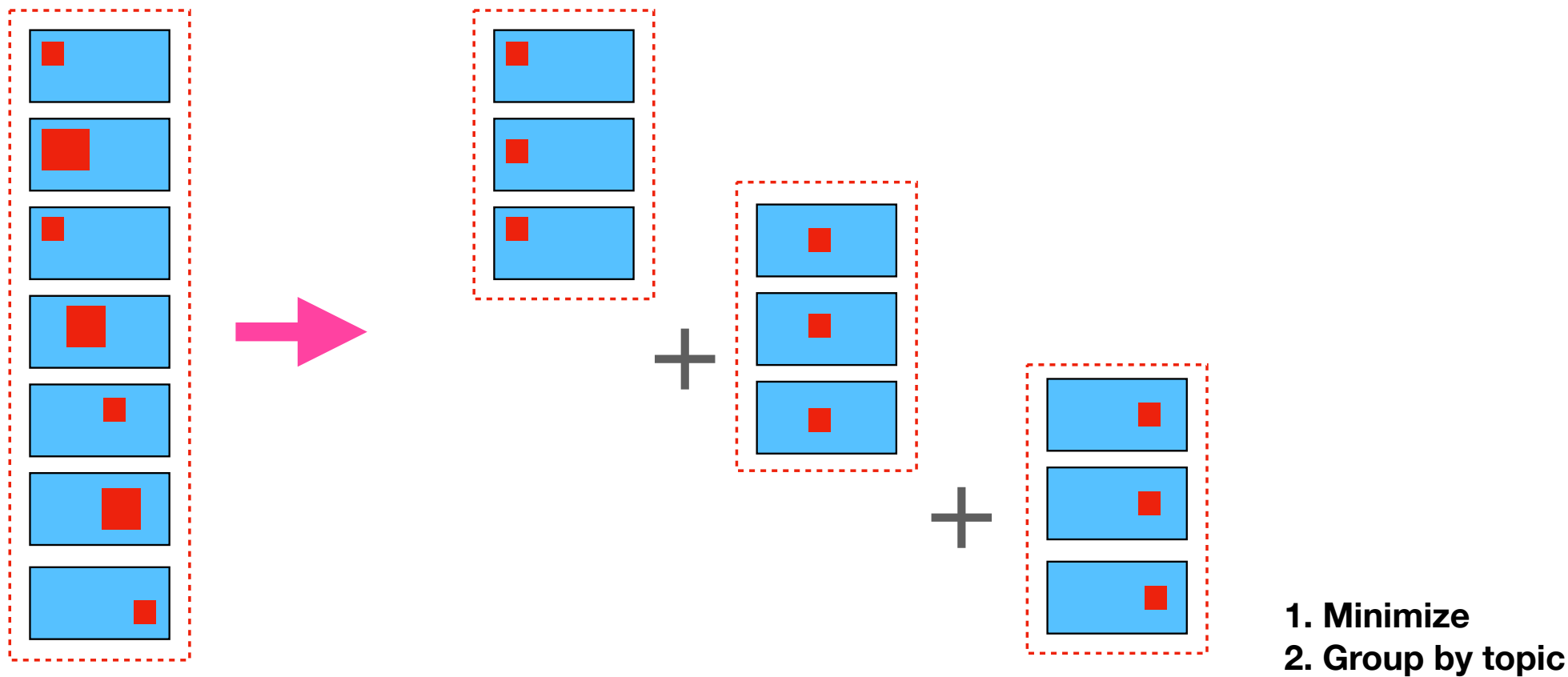
Fix The Contract!



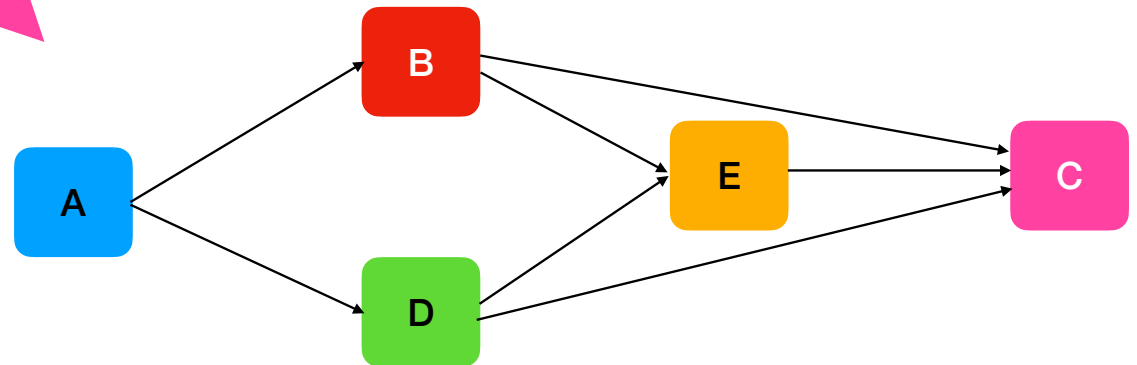
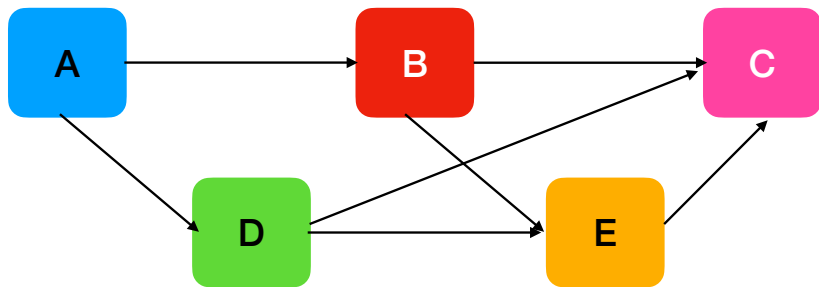
Scope of Changes



Scope of Changes



Straighten Line!



Functional & Non-Functional Criteria

Functional & Non-Functional Criteria

Functional Criteria

Application must:

- Hold account details
- Hold many accounts for one customer
- Reflect the replenish, transfer, withdraw, ... operations
- Generate reports: day / month / quarter / year
- ...

Functional & Non-Functional Criteria

Functional Criteria

Application must:

- Hold account details
- Hold many accounts for one customer
- Reflect the
- **Payment**
- replenish,
- **Transfer**,
- withdraw,
- ... operations
- Generate reports: day / month / quarter / year
- ...

Non-Functional Criteria

Application must:

- Respond in no more 200ms per click
- Being able to handle 10 .. 10000000 users in 1min
- Being able to run on hardware
- Being able to scale up / DOWN during peaks
- Fault Tolerance
- Graceful Degradation
- ...

Functional & Non-Functional Criteria

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Can be specified by business

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- ...

Can't be specified by business

Must be specified by engineer

Automate Everything!

CI/CD