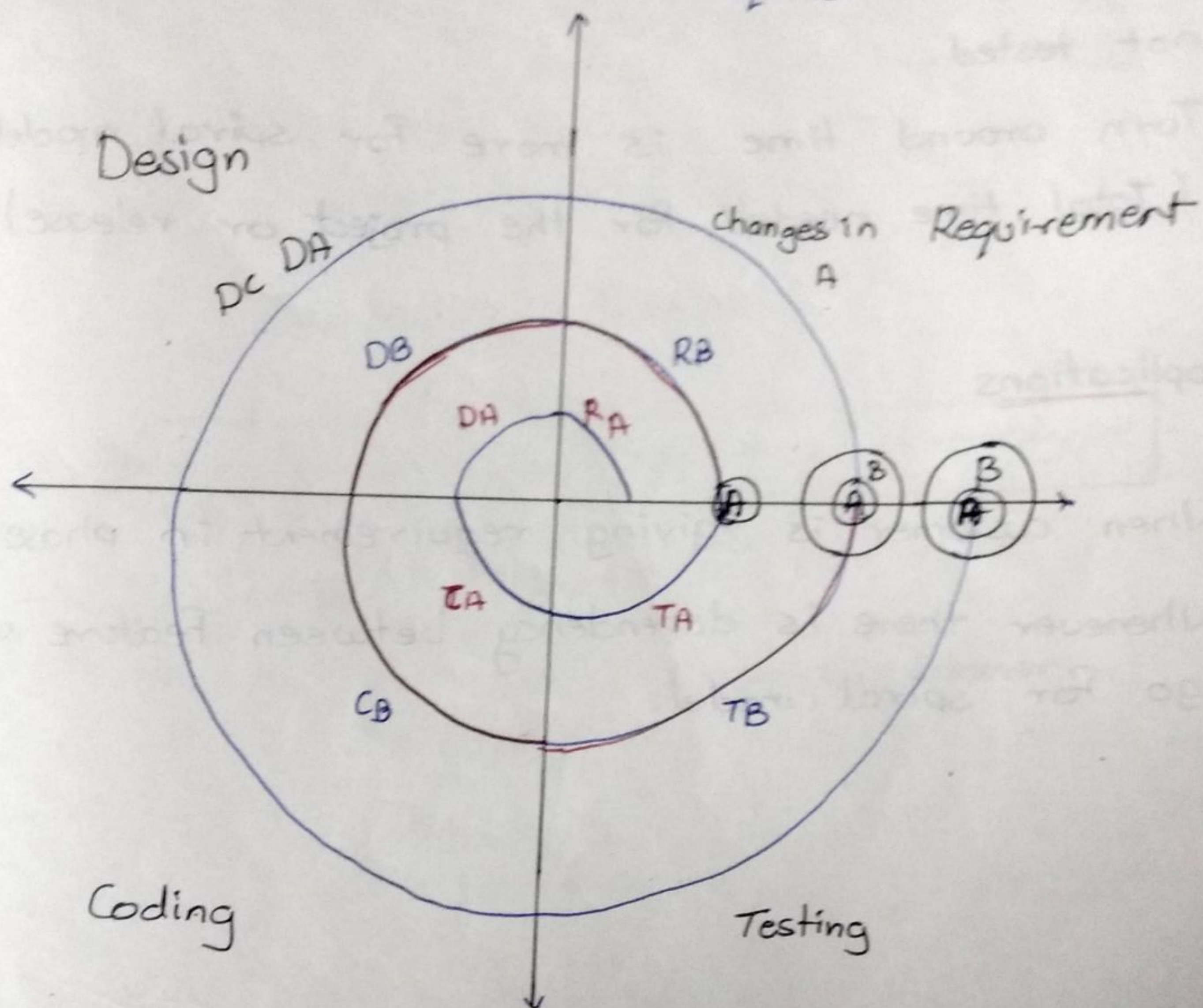


Note: We are Freezing requirement after Feasibility analysis or study because of which customer cannot ask for changes.

# Spiral Model (Dependency & customer is giving requirement in phases).



### Advantages:

1. We first design a module code it, test it then only add new module.
2. It is a Flexible model where customer can ask for changes whenever they ask.
3. Initial investment is less.



## Drawback's

1. As it is a traditional model developer is only involved in testing.
2. Even in this model testing is done after coding, i.e. requirements are not tested, design is also not tested.
3. Turn around time is more for spiral model.  
(Total time needed for the project or release).

## Applications

1. When customer is giving requirement in phase.
2. Whenever there is dependency between Feature we go for spiral model.

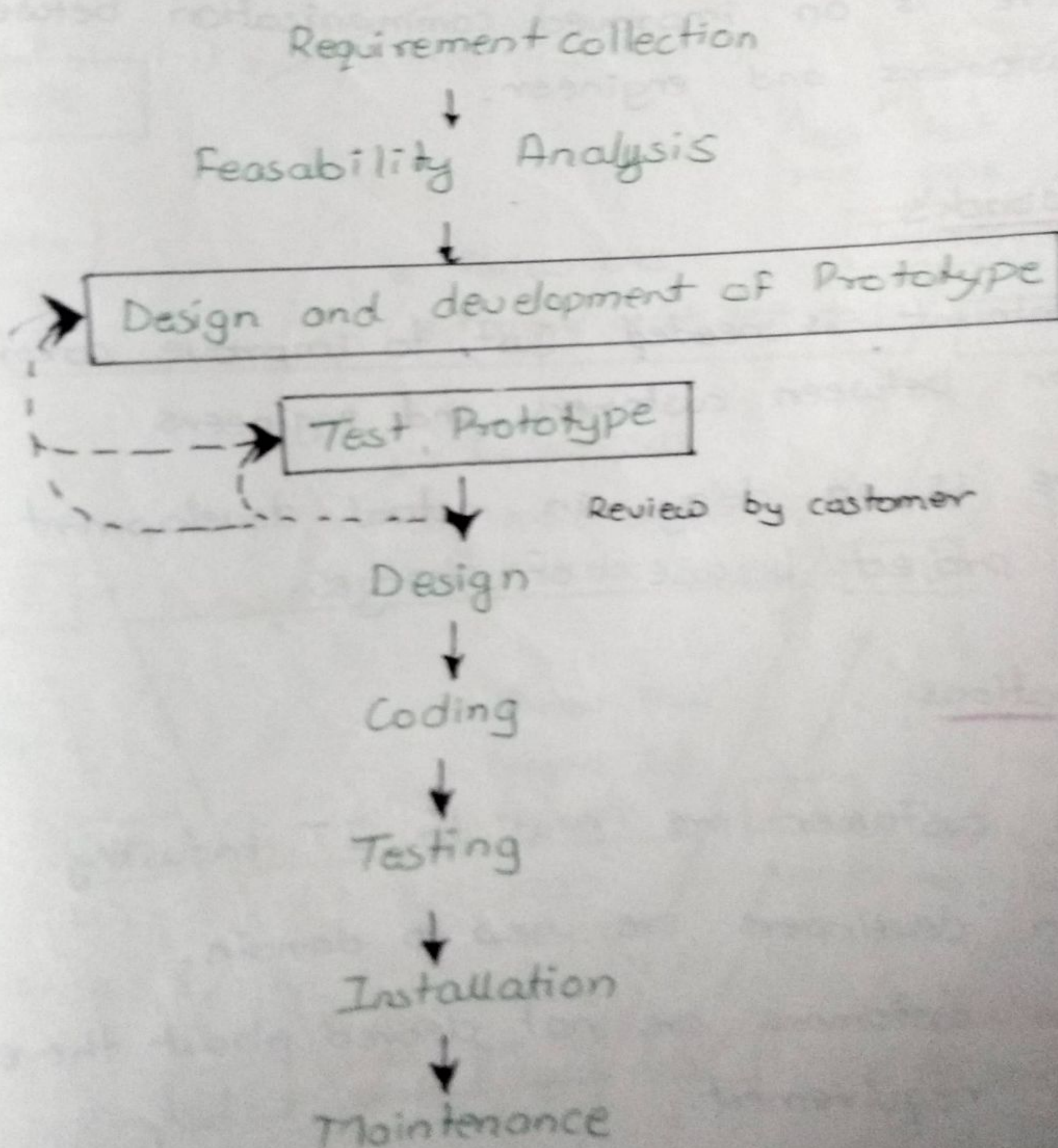


# Prototype Model

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Note In this we build mock screens or mocks which only represents the UIA of the s/w.

Prototype In this model one designed by UI UX engineers





## Advantages:-

1. Customer gets to know what they will receive in the beginning of the project.
2. Customer can ask for the changes in the beginning itself.
3. Developer get know what they have to code.
4. There is an improved communication between customers and engineer.

## Drawback's

1. Investment is needed just to improve communication between customers and engineers.
2. There is a delay in actual development of the project because of changes.

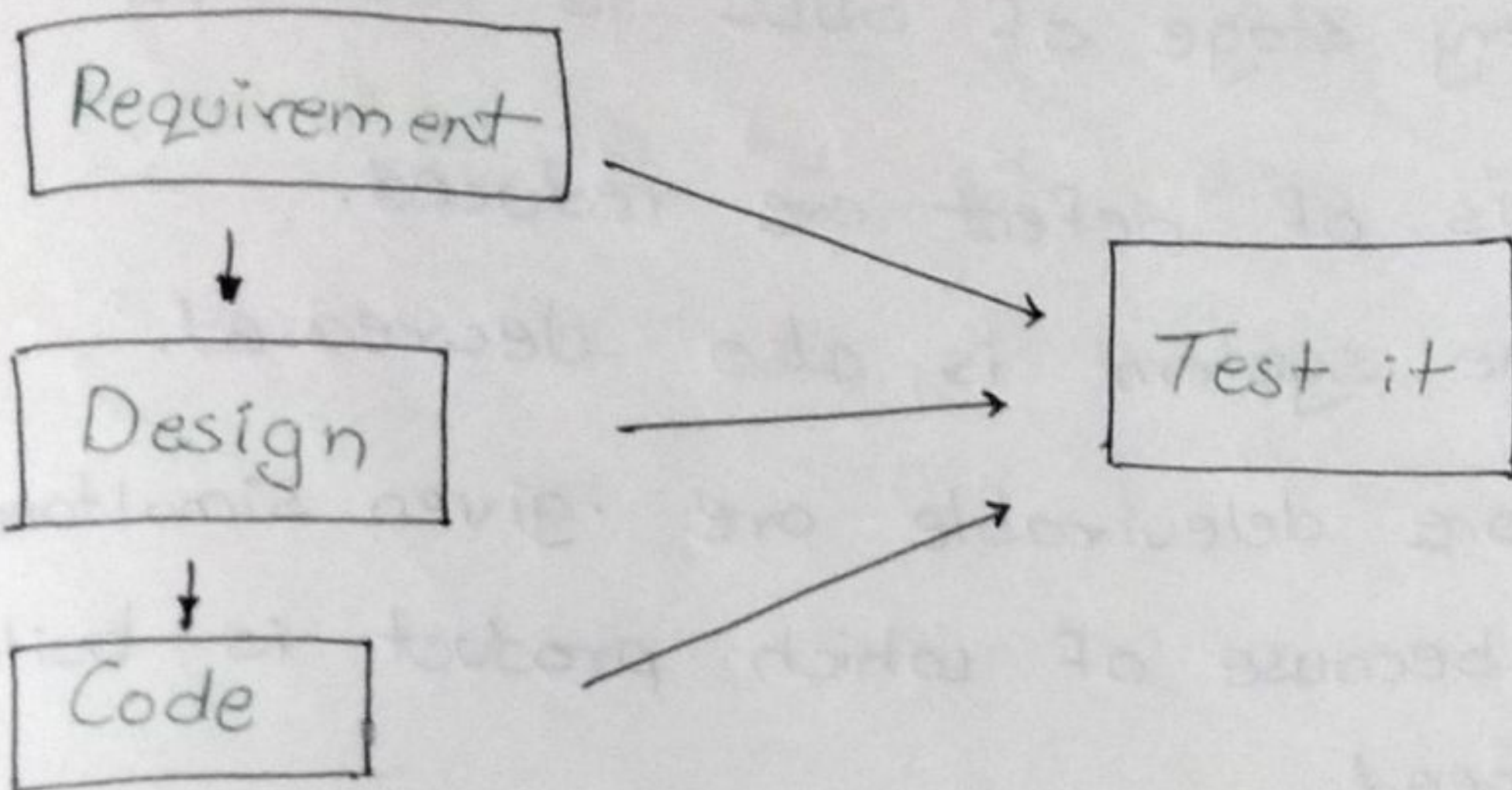
## Applications

1. When customer are new to IT industry.
2. When developers are new to domain.
3. When customers are not cleared about their own requirement.

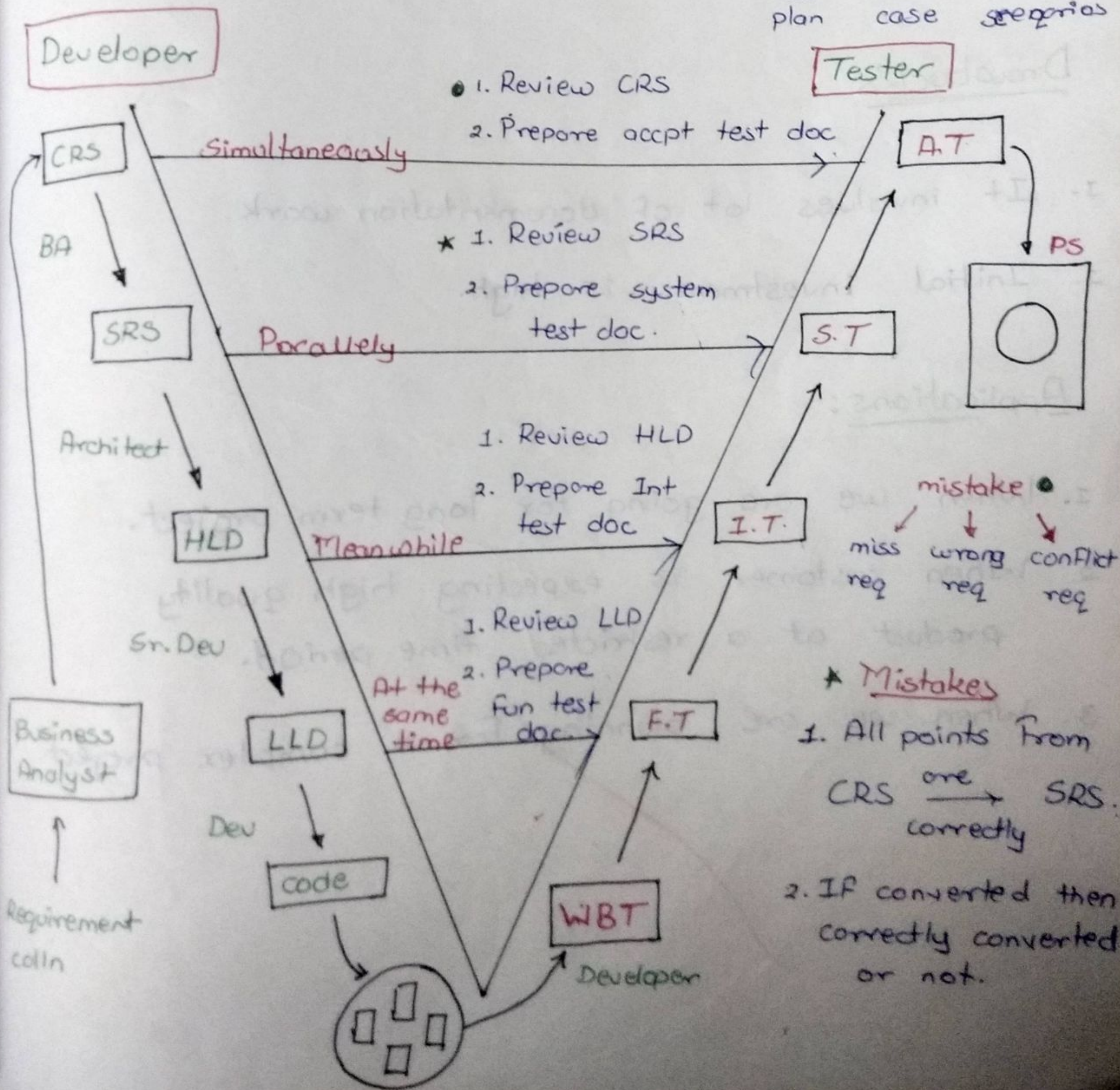


# V model (V & V model)

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test doc  
 test plan    test case    test scenarios





## Advantages

1. Total investment is less.
2. Each and every stage of SDLC is verified.
3. Downward flows of defect are reduced.
4. Rework in the system is also decreased.
5. The outputs are deliverable are given simultaneously or parallelly because of which product is build at a high speed.

## Drawback's

1. It involves lot of documentation work.
2. Initial investment is high.

## Applications:

1. When we are going for long term project.
2. When customer is expecting high quality product at a restricted time period.
3. When we are planning for a complex project.