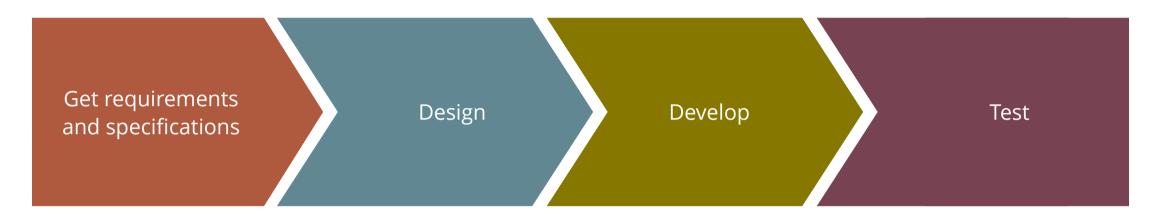
# Me against me, my experience with TDD Alcor - Software Craftsmanship Training – presentation day - Giovanni Saba

## Topics

#### Me against me, my experience in TDD

- Relying on a development practice being aware of ist benefits by going against working practices and habits grown in past experiences.
- My personal experience.

### The way I have gone till I started rely on automated testing



- Requirements
  Engineering
- > Write specifications
- > Think of best solution
- > Take decisions based on past experience
- Try to anticipate
  possible future issues
- Leverage most stable and less risky development design patterns
- Develop as less as possible -> do not reinvent the wheel

- > Manual tests
- Ensure developed stuff works

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> Reduce my anxiety

# This led to...



First solution is typically omni comprensive, other solutions are obviously not so mature at the beginning

#### Stakeholders not involved

Stakeholders of the system tend to not be involved in the software lifecycle (they arrive at the end)

#### Anxietv

Rest of the world runs at an higher speed, so you start have the feeling of not proceeding at the same pace

Fear of refactoring Manual tests cost. Lack of automated testing

brings fear of refactoring

Difficult and costly maintanance

Very difficult to touch existing code without the shield of testing. Difficult to remember the test cases if they are not automated.

# Methodology not agile



Used to first study all possible worst scenarios (negative approach) then once ready go to implement

### One day we took a decision

Few years ago me and my team started a new project **from scratch**.

The environment and circumstances were appropriate to invest in quality and not speed (basically we had not so strictly delivery time constraints).

We were aware that after the first release we should have mantained the solution with continous new feature delivery (It was agrred in the contract, and such new feature development was not paid so well, so we should have spent less time as possible developing them).

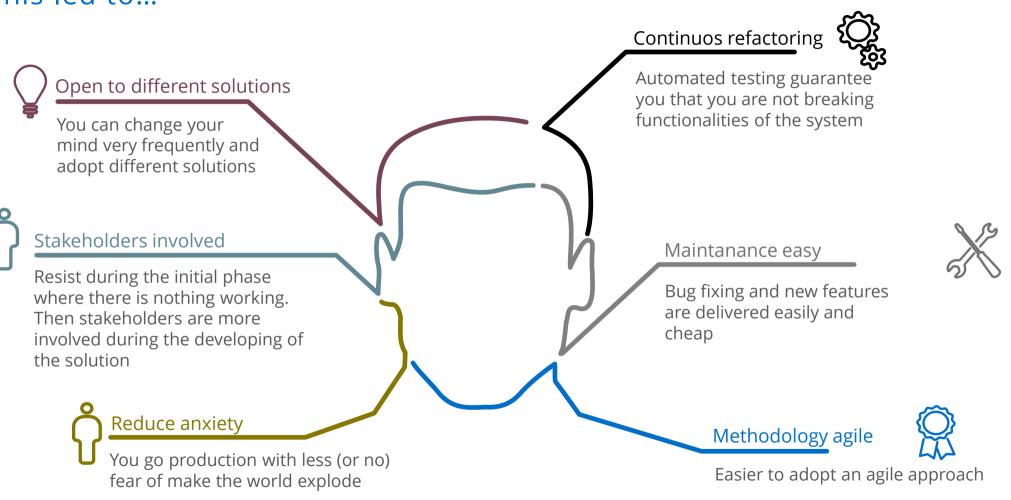
So the key factors were:

- no regression
- speed of delivery of new feature

As a team we decided to **invest a lot at the beginning** in

- automated testing
- auto generation of code for the interfaces (the component exposed a REST interface agreed with the FE components)
- Adopt good design patters

# This led to...



## ... and now TDD ... my conclusion

Next step: TDD

First impressions:

- I like a lot starting from testing because this make you **think first on functionalities** and not focus on implementation
- Have a defined methodology helps you when you feel lost in the middle of developing (analysis paralysis) -> have a **continuous pace**
- The refactor phase make you have **defined phase were you simply focus in applying good code design patterns**, forget about functionalities for a while (those are covered by green tests)
- Writing tests make wrong development rise up (it makes them more evident)

Even if:

- My mind-set still works thinking first at the solution (good design) and later to tests.
- I feel a sort of resistance coming from my habits and experiences.

It is clear it is a matter of practicing, the more you do TDD more you change and get confidence.

# Thanks any questions?