

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 its 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



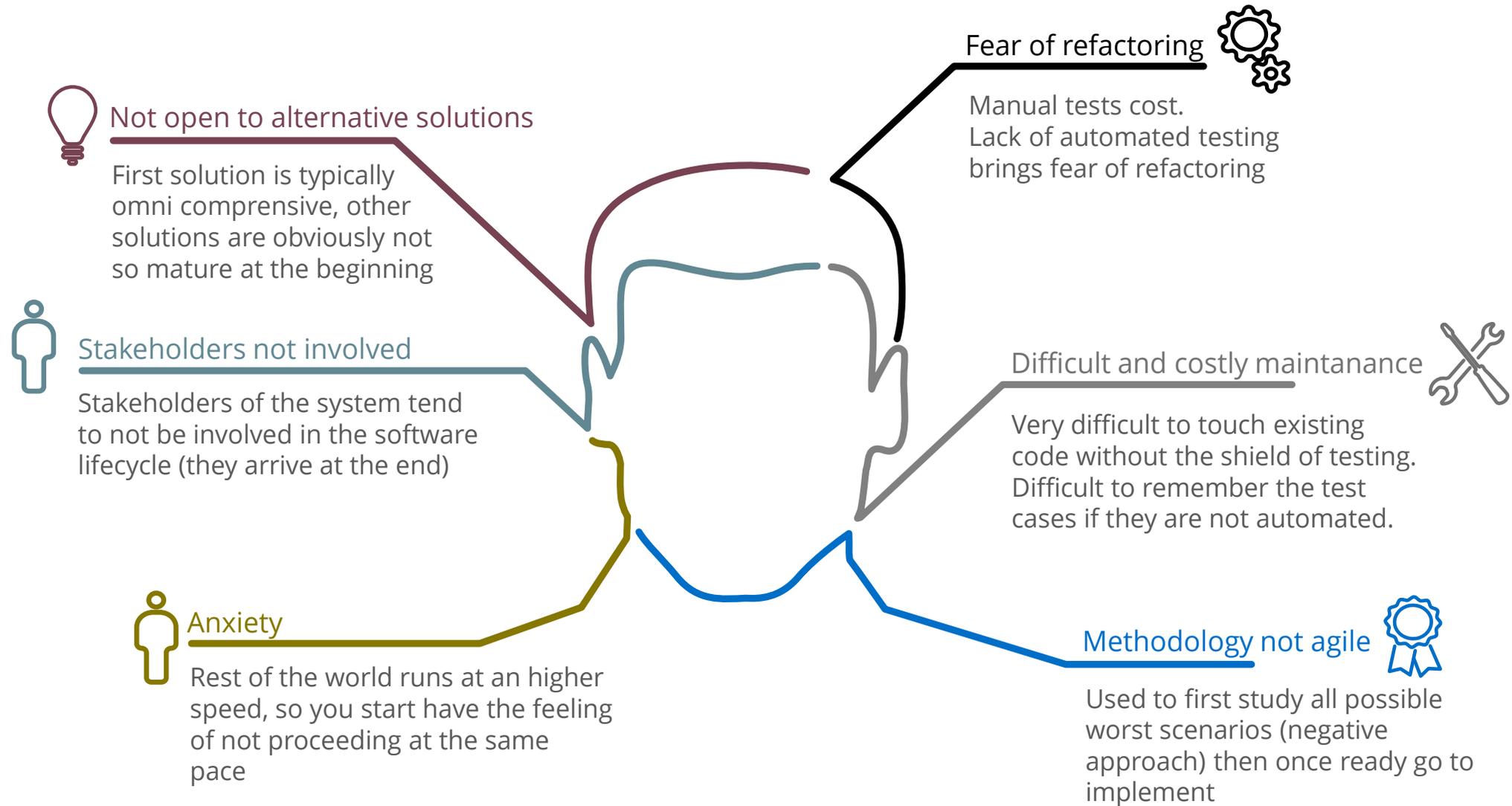
- › Requirements Engineering
- › Write specifications

- › 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
- › **Reduce my anxiety**

This led to...



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 maintained the solution with continuous new feature delivery (It was agreed in the contract, and such new feature development was not paid so well, so we should have spent less time as possible developing them).

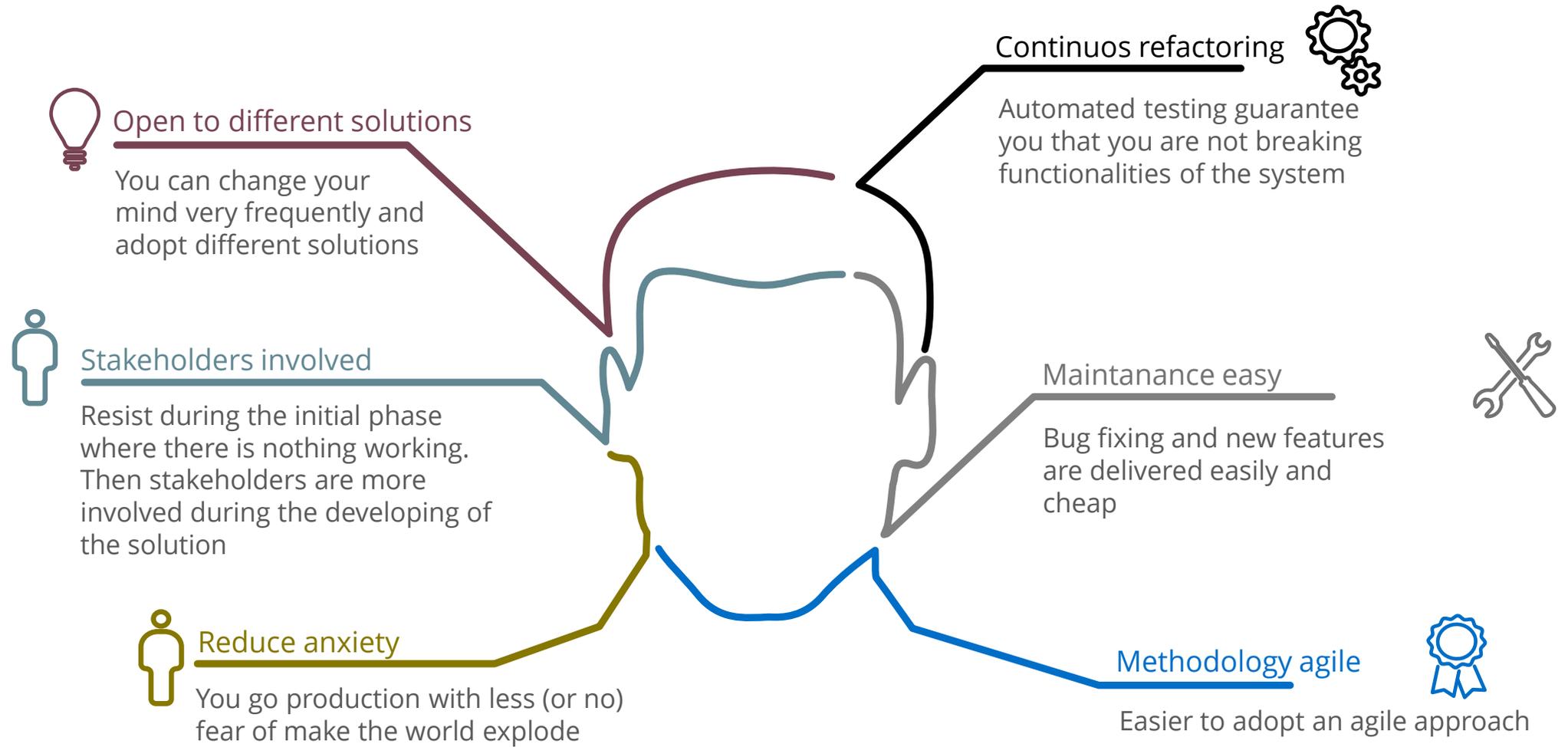
So the key factors were:

- **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 patterns

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?