

ON THE ROLE OF A SOFTWARE ARCHITECT



Fernando C.A (U0295255), Pelayo S.L (U0294217), Raquel S.S (U0295000), Paula D.A (U0294067)



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1. WHY DO WE NEED DESIGN?

PLAN

How a new feature affects old ones

PREVENT

Code breaking when adding a new feature



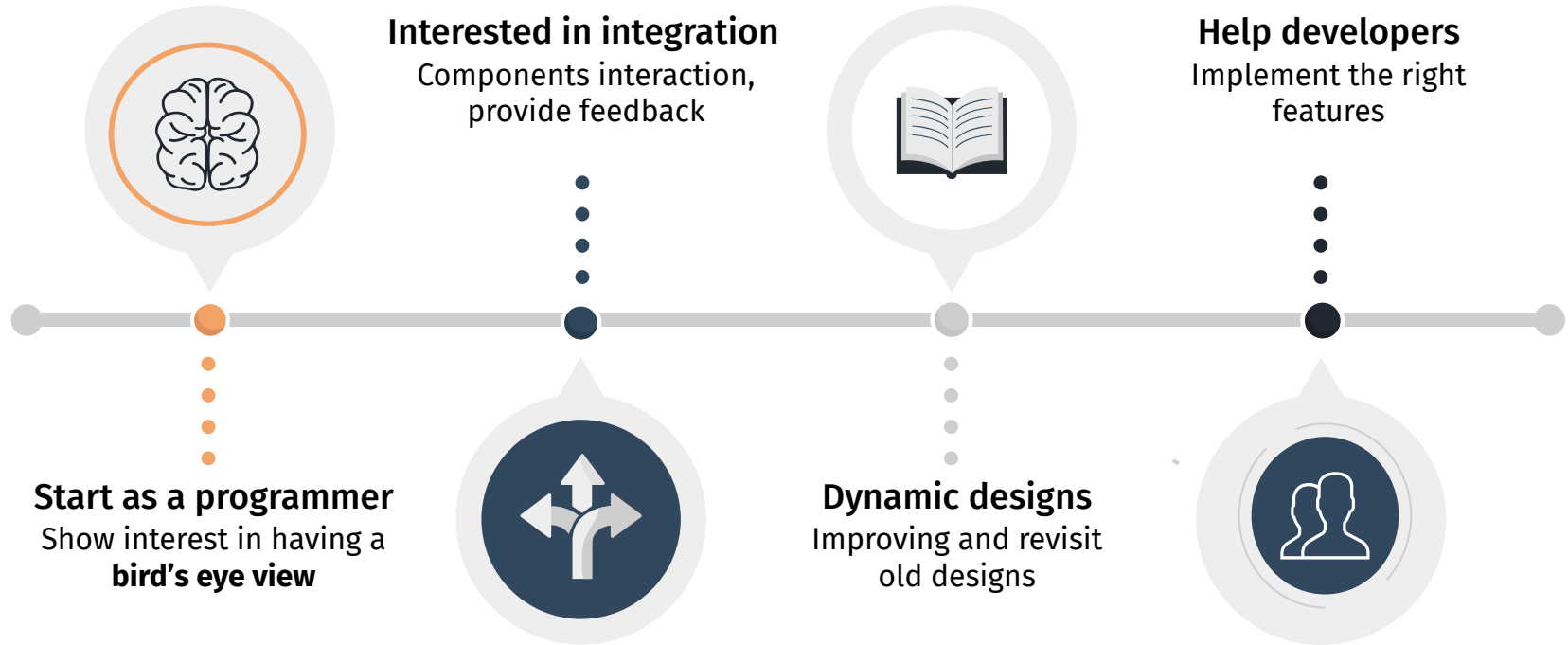
ONGOING TASK

Not only done at the beginning

COLLABORATION

All development team should be involved

2. HOW DO YOU BECOME A SOFTWARE ARCHITECT?



3. SKILLS OF A SOFTWARE ARCHITECT

SOFT SKILLS

- People skills
- Person that everybody comes to for help
- Good listener + mediator
- **Translate between technical and non-technical**

HARD SKILLS

- Focused on the technical and design skills

Most architects lack soft skills, but they can learn both

4. CHALLENGES OF SOFTWARE ARCHITECTS

TIME

Not taking enough time to design



NOT BEING LISTENED TO

Team starts coding too fast instead of designing



CONSTRAINTS

Not-negotiable, one of them: **quality**



TIME ON DOCUMENTATION

It should be quick and clean



5. PROBLEMS OF NOT HAVING A SOFTWARE ARCHITECT



NO PLANNING

- Technical debt
- Less organized



GONE TOO SOON

- Lose continuity
- Lack of ownership and pride



WATERFALL

- Role of architect was clearer
- Were involved



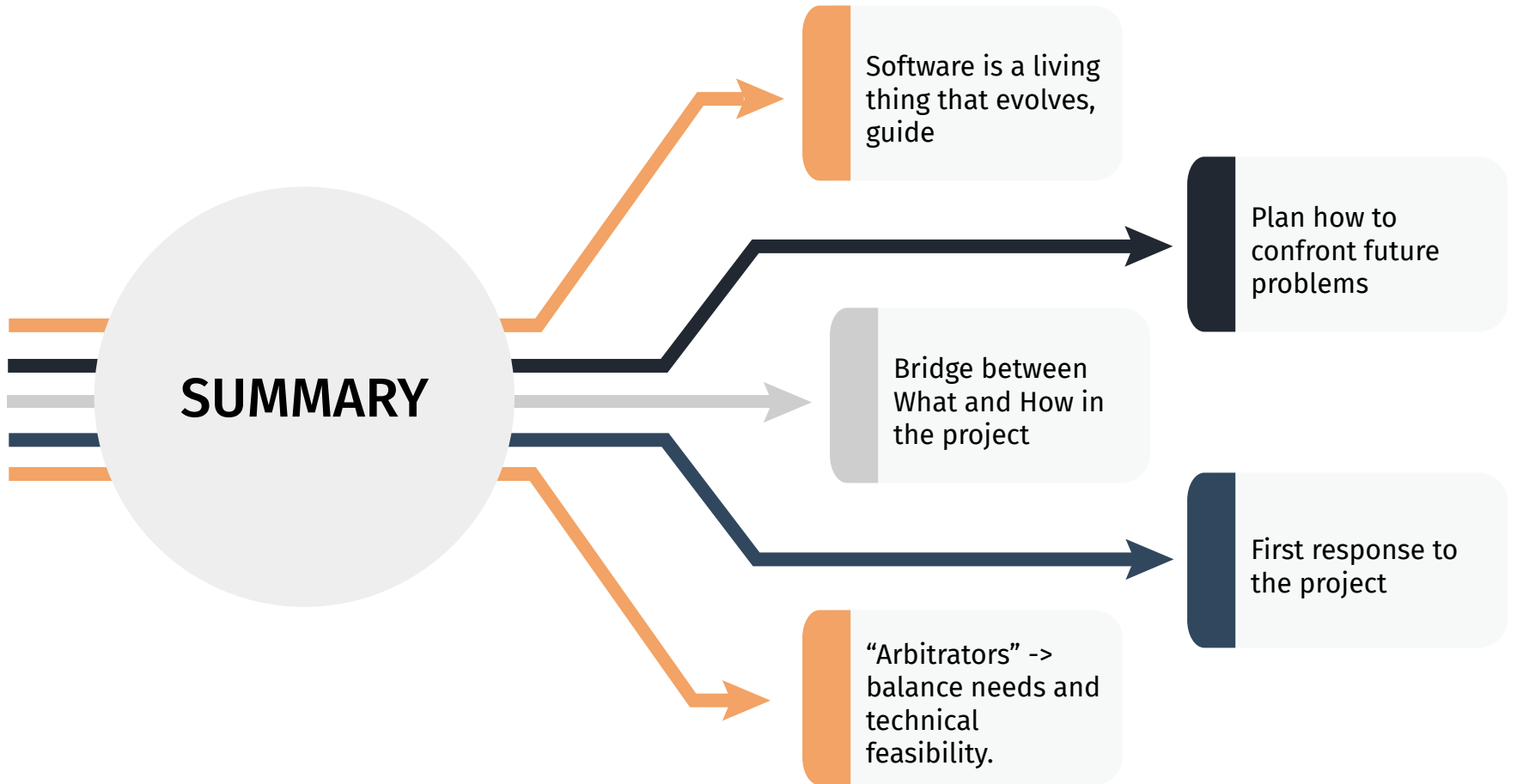
AGILE

- Less need for architects apart from initial design



CRUCIAL

- Must be involved through entire cycle



THANK YOU FOR YOUR ATTENTION!

