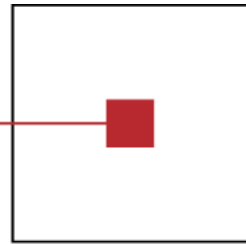




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Writing Unit Tests: It's Now or Never!

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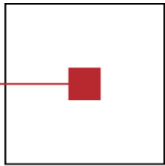
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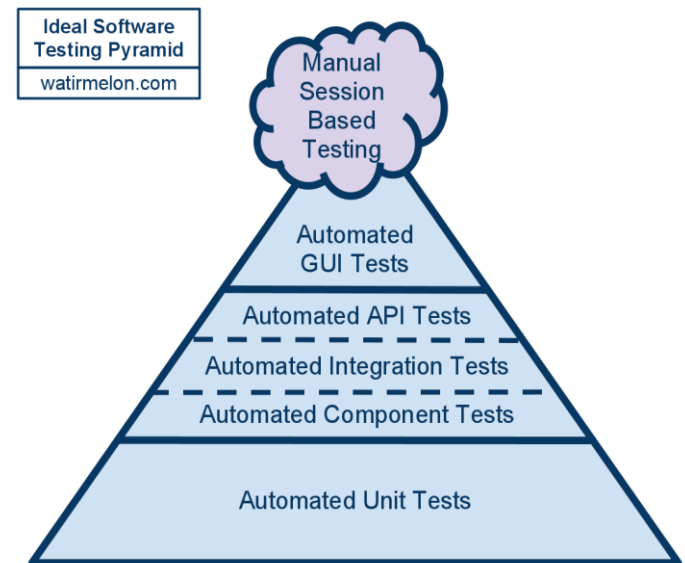
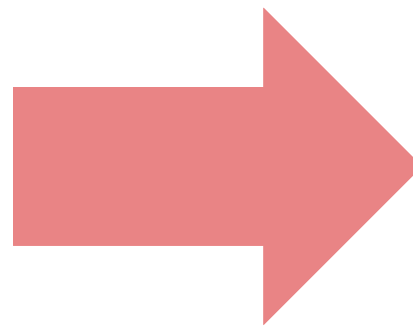
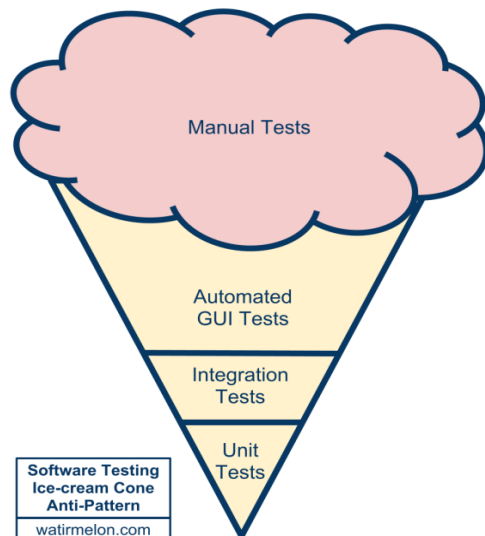
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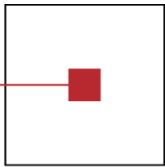


■ Initial Situation

- Large industrial software system
- Continuously developed and enhanced for 10+ years
- Includes legacy code with only few unit tests available

■ Goal: **Retrofitting unit tests**





■ Code **without unit tests** ...

- ... often has a very **low testability** ...

- ... caused by a **lack of modularization**

■ Explored **solutions**

- Refactoring → rewriting from scratch

- Mocking → complex, unusable tests

} **very costly!**

■ Conclusions

- **Low ROI** for unit testing of legacy code

- Code without unit tests will rarely get unit tests later