



Agile Testing

Being an agile QA



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- ◆ Switching to Agile testing
- ◆ How testing works on Agile teams
- ◆ Benefits of being an Agile testers
- ◆ Open discussion



Currently...so many roles

- ◆ Project Managers
- ◆ Release Managers
- ◆ Quality Assurance Engineers
- ◆ Business Analysts
- ◆ Testers
- ◆ Product Owners
- ◆ Developers
- ◆ Support Officers

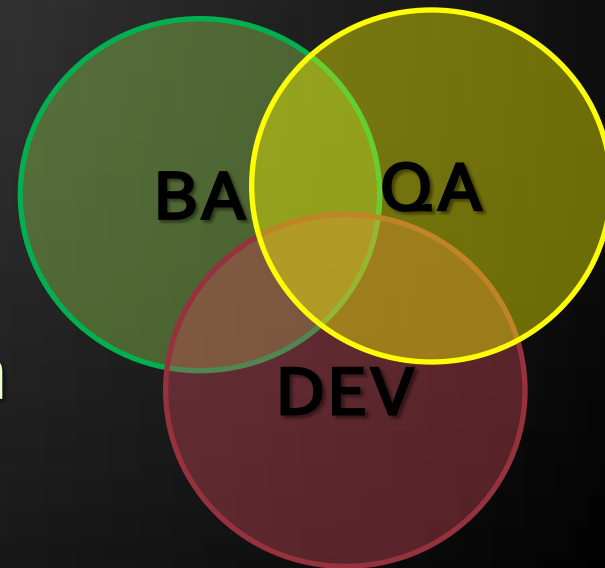
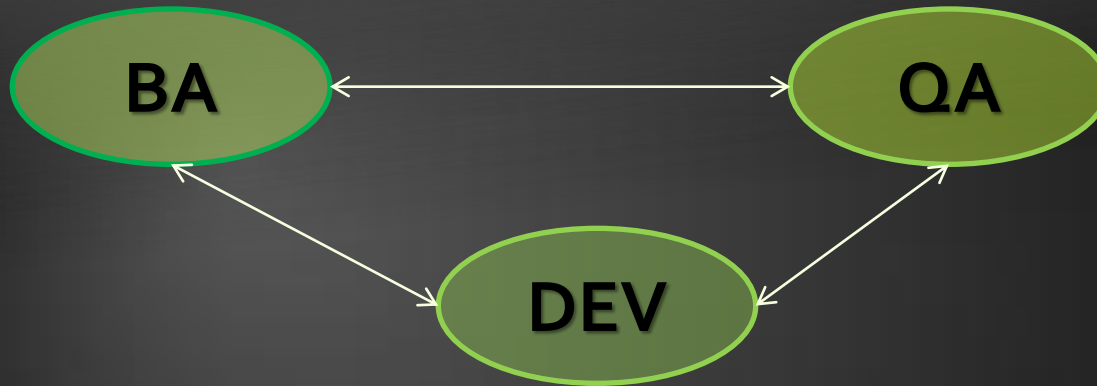


Problems of switching to Agile

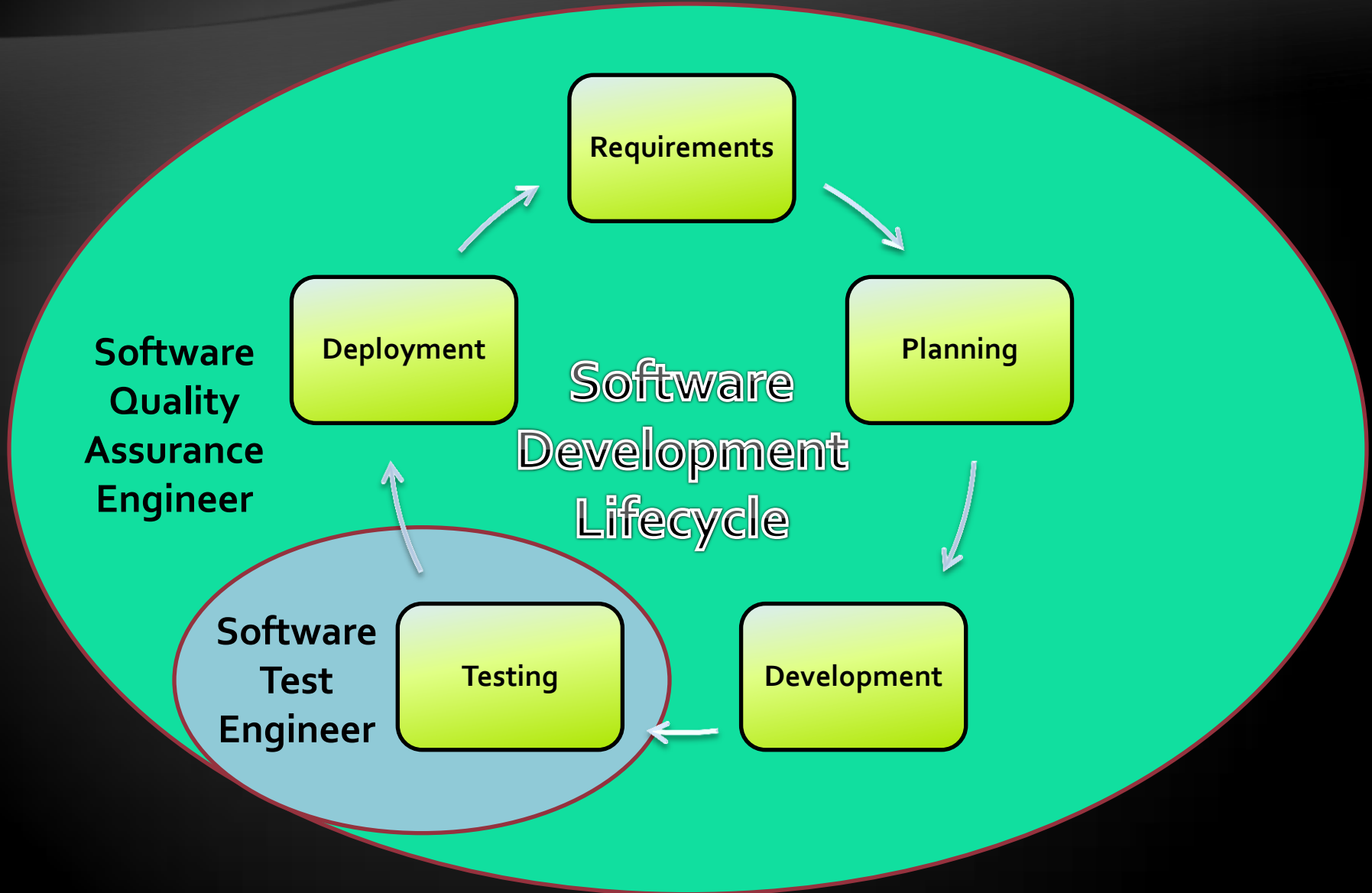
- ◆ Difficulty of leaving the traditional understanding of roles
- ◆ Resistance to changes
- ◆ In the adaptation phase the basic Agile principles may be destroyed



Team Organization – Traditional vs. Agile



Agile: works as one team



Agile QA Manifesto

Defect prevention

over

Defect detection

**Automated checking
and exploratory testing**

over

Manual testing

Informing

over

Gatekeeping

Testing for Risk

over

Testing for coverage

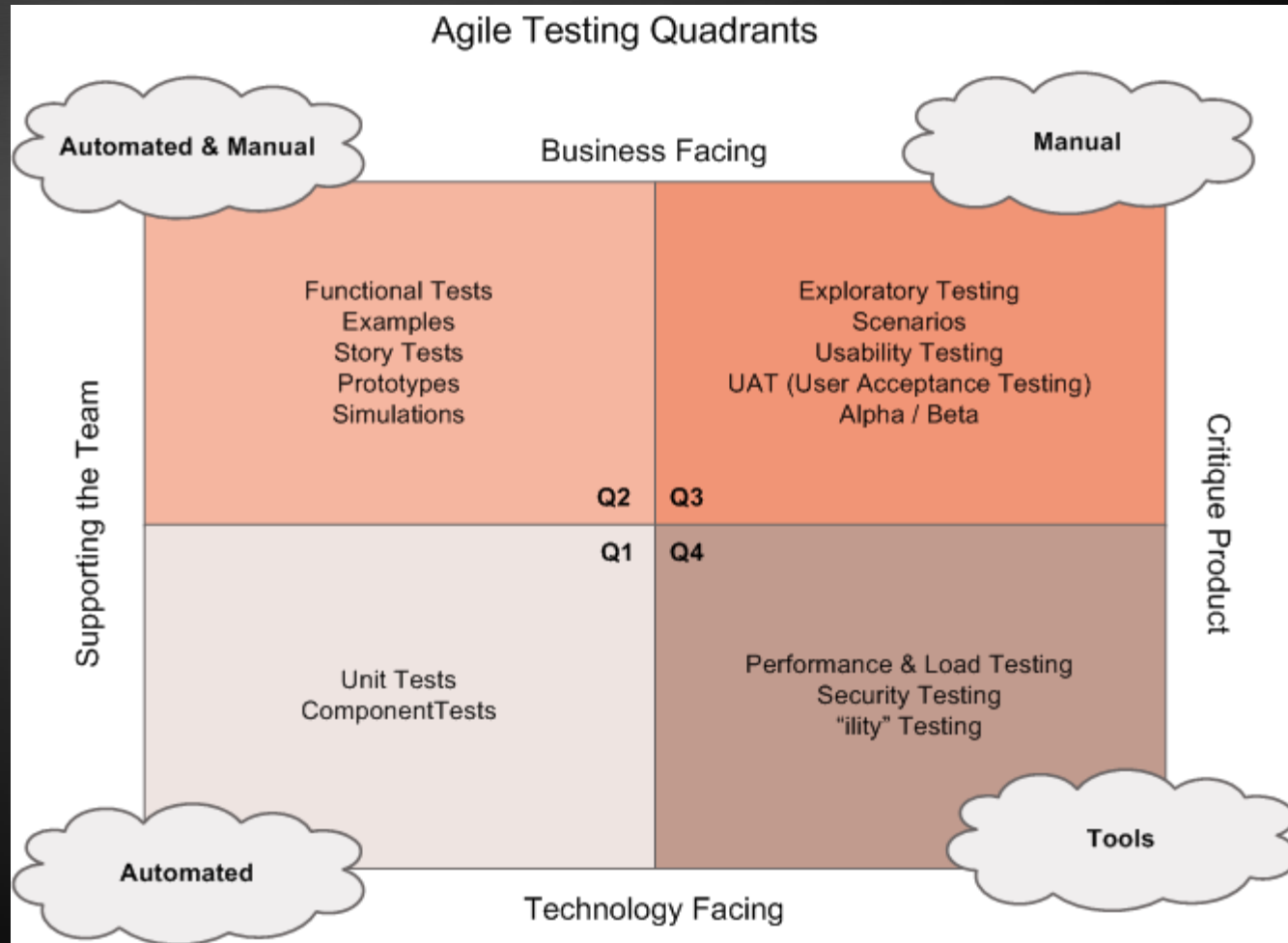
10 principles for Agile testers

- ◆ Provide continuous feedback
- ◆ Deliver value to the customer
- ◆ Enable face to face communication
- ◆ Have courage
- ◆ Keep it simple
- ◆ Practice continuous improvement
- ◆ Respond to change
- ◆ Self-organize
- ◆ Focus on people
- ◆ Enjoy!



- ◆ Start of sprint – start of testing
- ◆ Testing activities are the same as in other methodologies
- ◆ All the team is responsible for the result, including quality
- ◆ Testing tasks – common tasks for all the team
- ◆ Maximum communication
- ◆ Provide continuous feedback to customer/programmer

Testing strategies



Problems with testing shortage

- ◆ Lack of testing resources
- ◆ Inefficient test planning
- ◆ A lot of manual testing
- ◆ Inefficient testing process
- ◆ Increasing functional for regression testing



Ways of problem solving

- ◆ Detailed test planning
- ◆ Automation, possibly with the developers' help
- ◆ Increased unit test code coverage
- ◆ Implementation of stabilization sprints
- ◆ Increase in the amount of testing resources



Benefits of being an Agile testers

- ◆ The whole team is responsible for the quality
- ◆ Flexibility incorporate new requirements
- ◆ Better communication
- ◆ Defects are easy to fix
- ◆ Fewer changes between fixes
- ◆ Testing can't be cut



Open Discussion

