

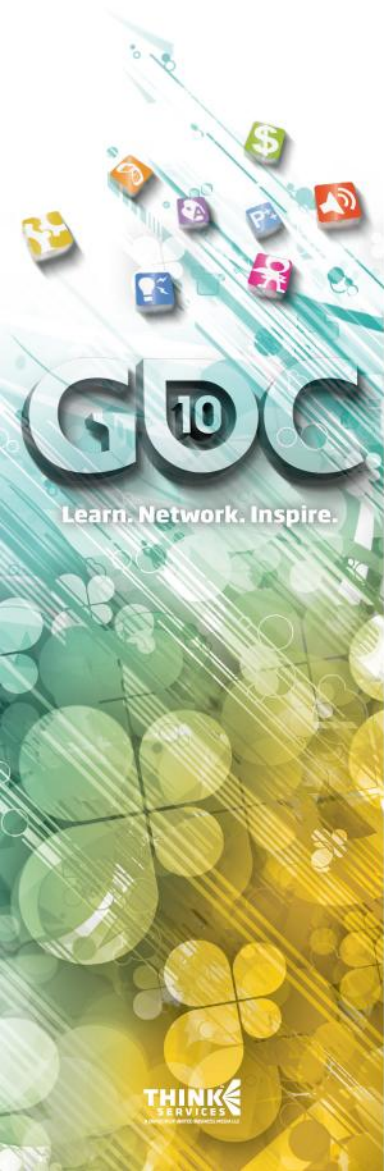
GD10C

Learn. Network. Inspire.

www.GDConf.com

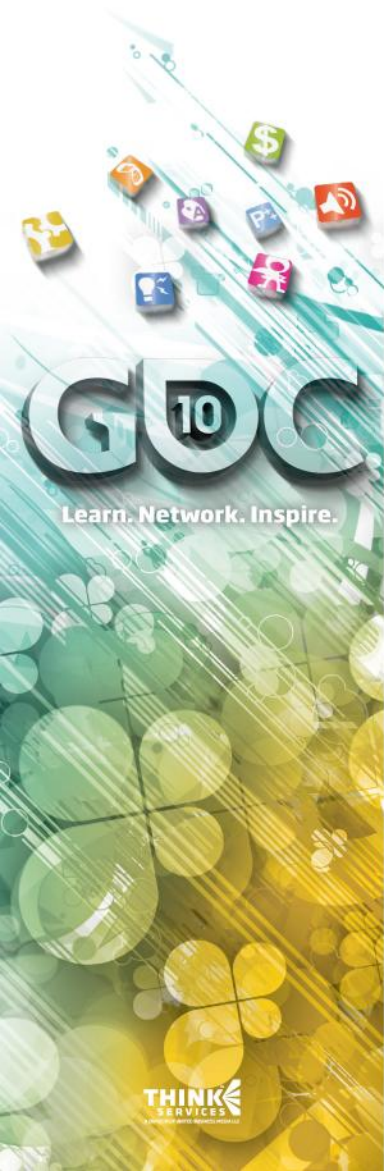
QA's 10 Commandments: What?! Only 10?

- ⌚ A review of QA's best practices and an examination of potential additions.
- ⌚ Chuck McFadden
Sony Computer Entertainment
America

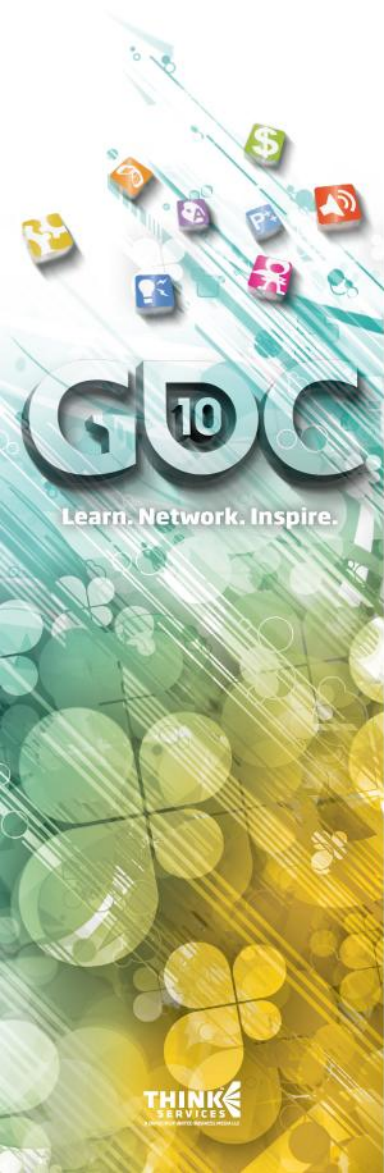


This lecture is NOT:

- ⌚ An in-depth examination of **SCEA's** QA practices or of PlayStation Home.
- ⌚ A review of console submission requirements.
- ⌚ An hour long.

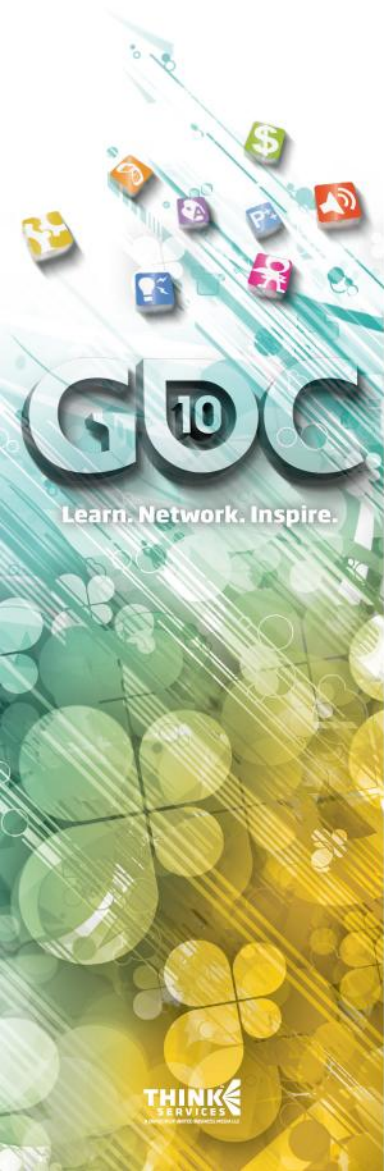


The origin of the 10.



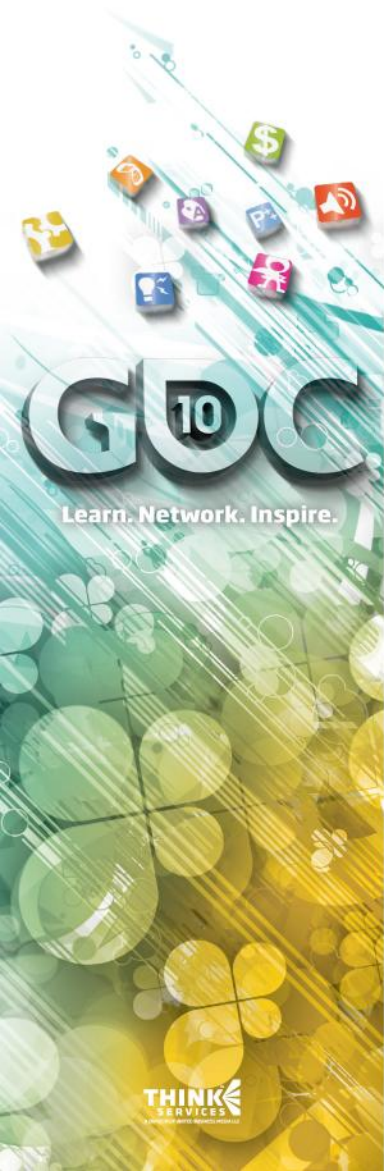
Use the Scientific Method.

- ④ Observe and describe.
 - ④ Formulate a hypothesis.
 - ④ Experiment.
 - ④ Draw a conclusion.
-
- ④ *This Commandment separates the good testers from the bad.*



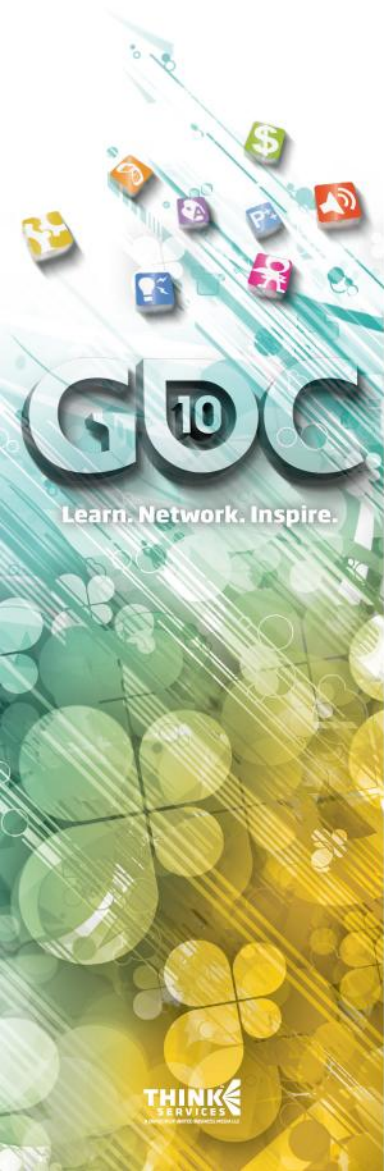
Playing vs. Testing.

- ⌚ Know the difference! Spend most of your time testing.
- ⌚ Check your ego at the door: Test “losing” conditions as much as the “win” conditions.



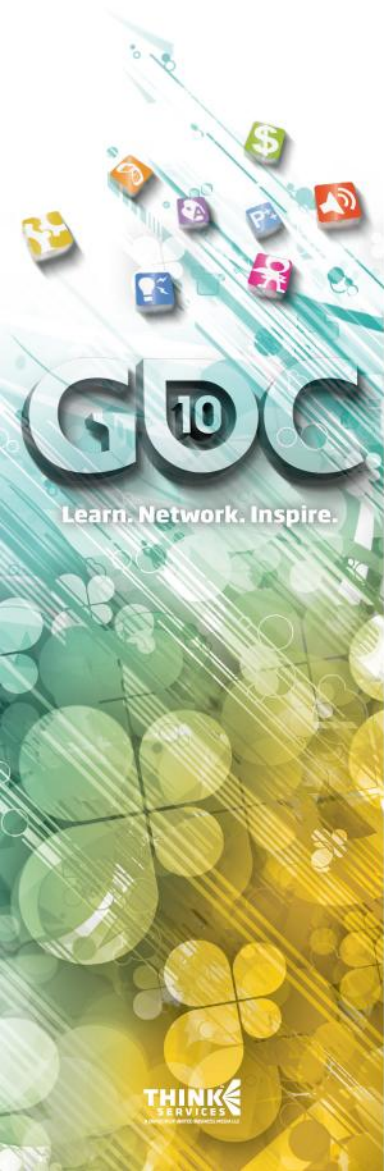
Be Flexible.

- ⌚ QA testers/teams are used for a variety of tasks outside of traditional “testing.” Encourage this.
- ⌚ As a game nears completion, continually evaluate QA’s bugs and reprioritize as necessary.
- ⌚ *Recommendation: Use a prioritization scheme.*



Find and Report Bugs as Early as Possible.

- ⌚ Review the “save flow” when it’s a simple design on paper.
- ⌚ Look at early UI text to spot incorrect usage of platform naming conventions.
- ⌚ See if a tester can “find the fun” in an early build/prototype.

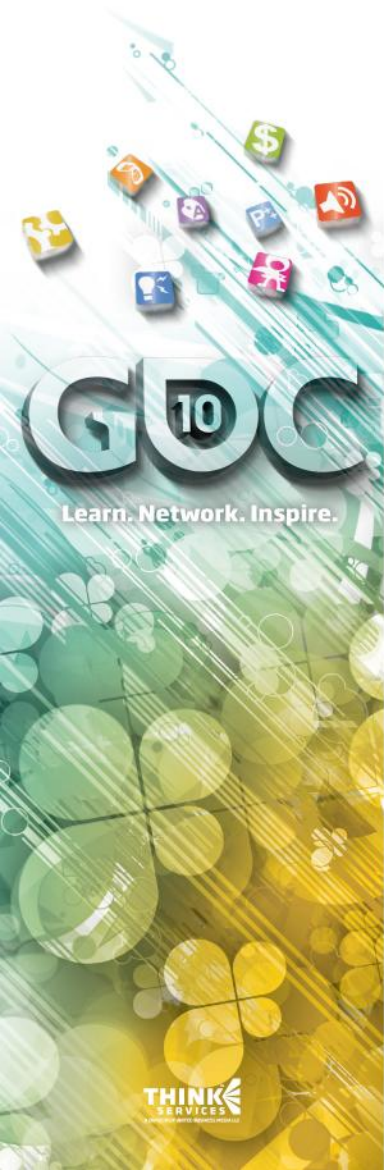
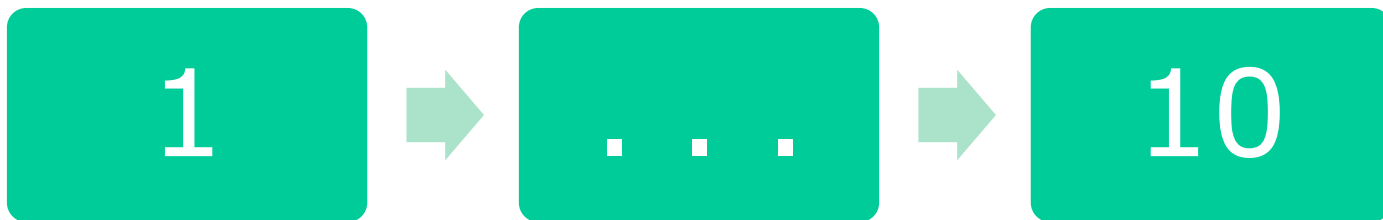


Think like a Hacker.

- ④ Be creative in finding problems.
Look beyond the surface.

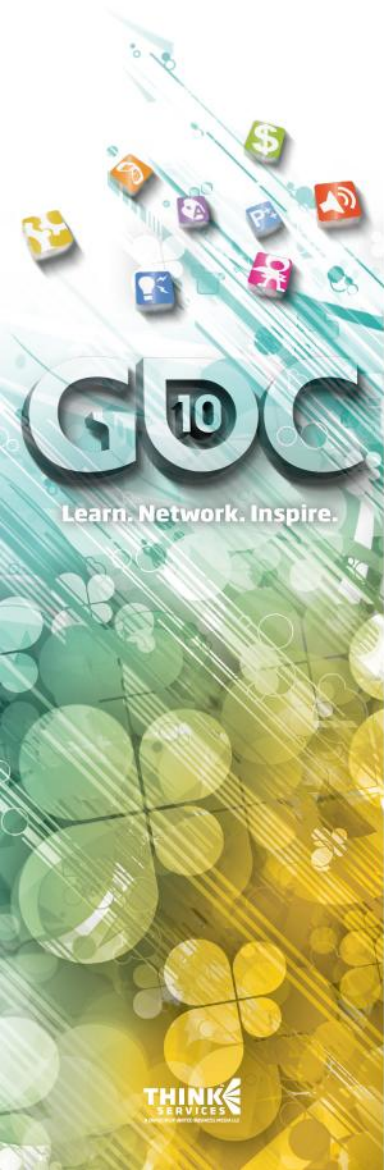
Examples: Exiting a room through a door, window, ceiling, or wall.

- ④ Don't simply test how the game is
"supposed" to be played.



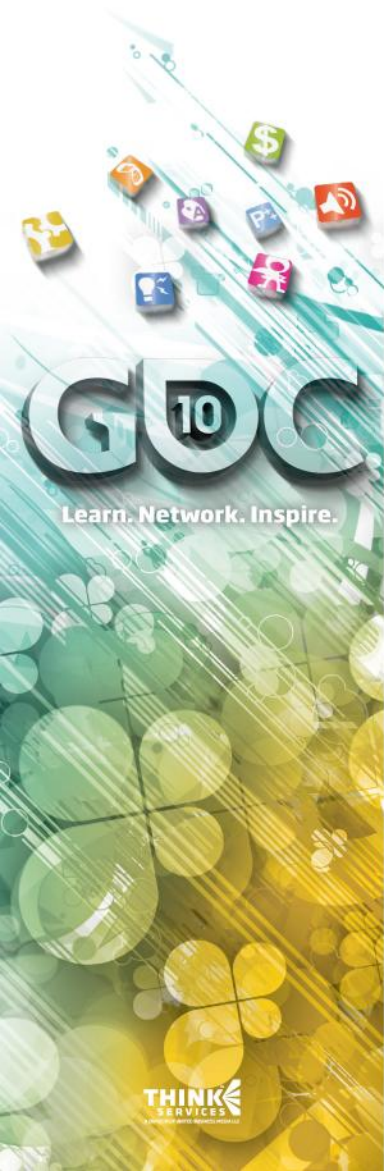
Think like a Hacker (cont.)

- ③ 1-10 might be tested thusly:
Test the #1, then the #2, then #3,
and so on until 10.
- ③ What happens when you test #0?
Or #-1?
Or #1,002?
Or #0.356?



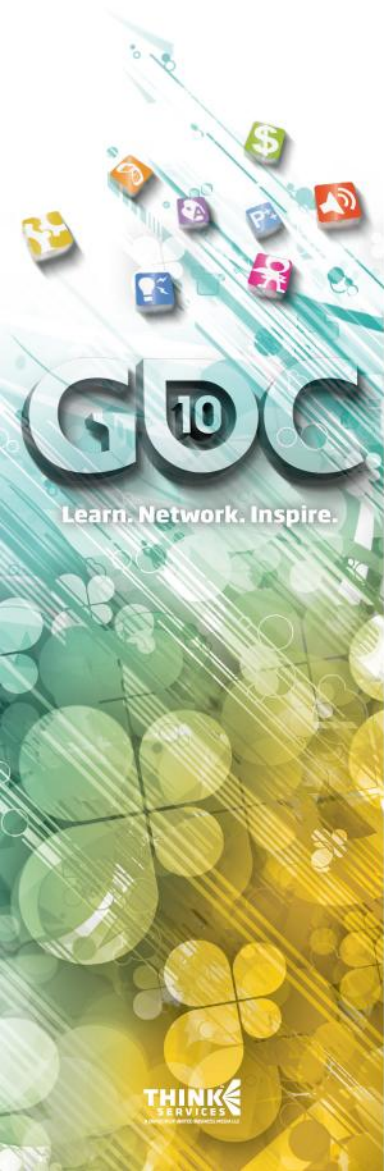
Put in as much effort with your Regression as with the initial tests.

- ⌚ Also known as “Halo testing.”
- ⌚ Check for new bugs that are a result of the fixed bug.
- ⌚ Risk is *always* associated with any bug fix.



Don't let QA members test designs they've championed.

- ⌚ QA testers are only human.
- ⌚ When a tester's design input becomes an in-game reality, he/she *cannot* be allowed to test it.



Don't write sloppy bugs!

- ④ What is a tester's most valuable weapon?

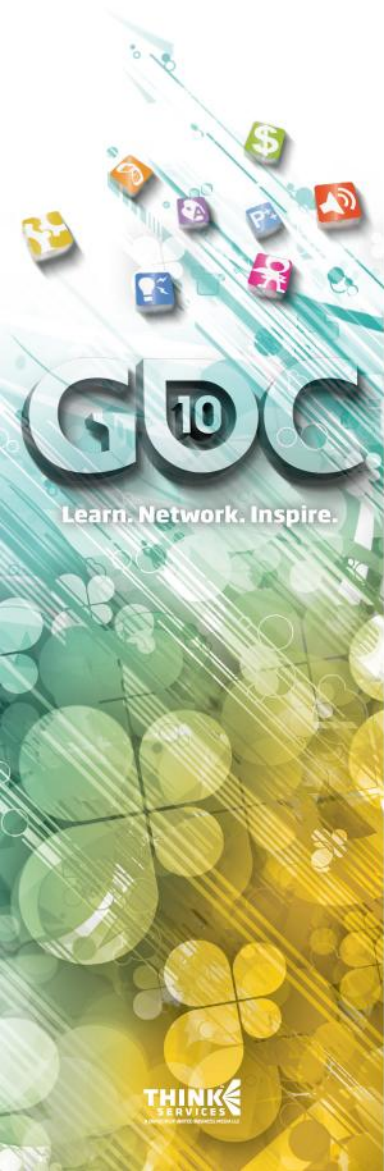
Awesum gamr skillz?

Effective communication?

- ④ Spell and grammar check everything.

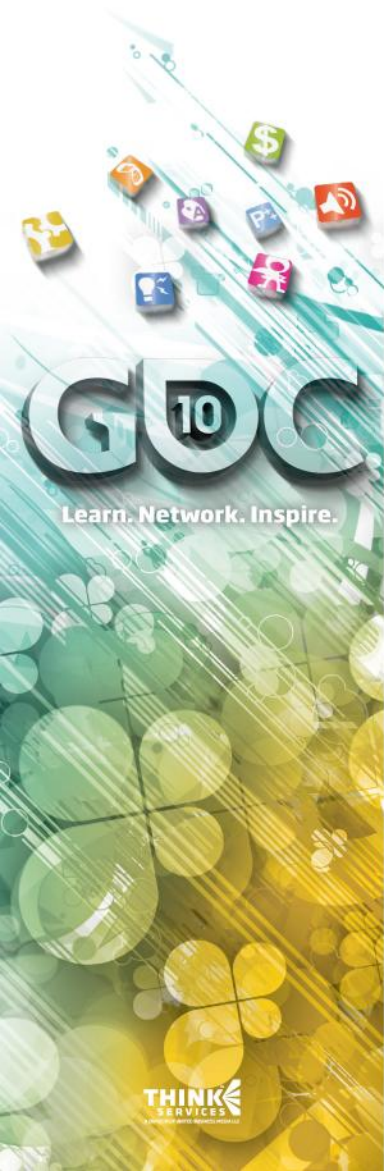
- ④ Ensure "steps to repeat" are clearly and concisely written.

Any developer who follows the steps should be able to repeat the bug.



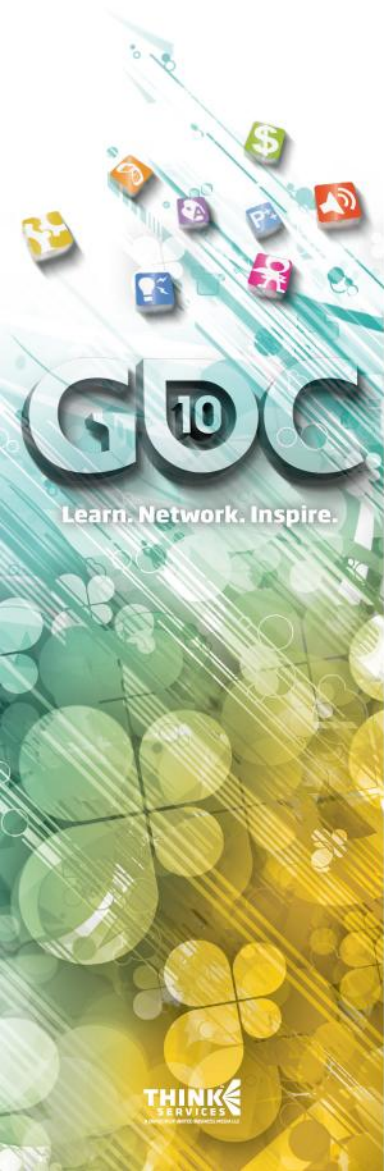
Test everything.*

- ⌚ Never assume any feature is bug-free.
- ⌚ Use test plans to help you test every feature in every (reasonable) way.
- ⌚ Good enough isn't.
- ⌚ * *Perhaps not such an important rule any longer. More later.*



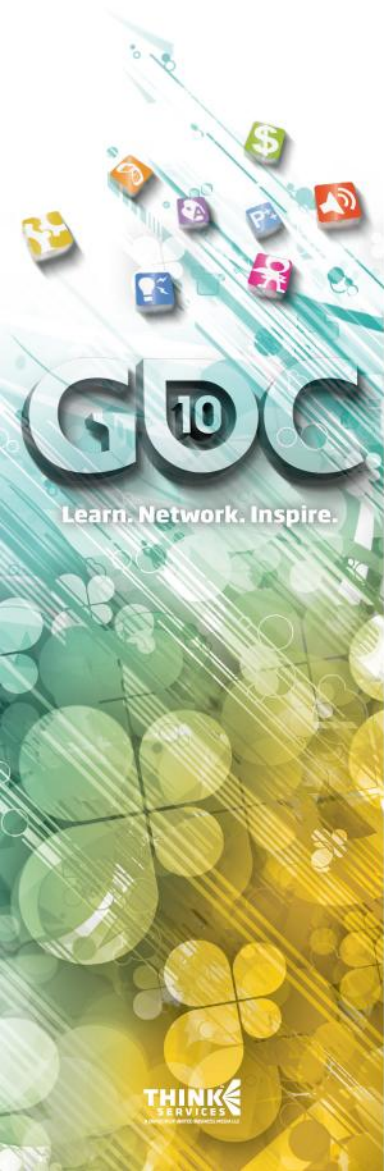
Assume all bugs can be consistently reproduced.

- ⌚ It's not a question of whether it's reproducible, rather an ROI question.
- ⌚ Scientific Method helps a lot here.
- ⌚ If the tester doesn't have enough time to consistently reproduce, make sure the bug details a percentage.



But, wait! There's more!

- ⦿ Possible additions:
 - Automate tests.
 - User testing.
 - The End is the Beginning.
- * Test Everything.



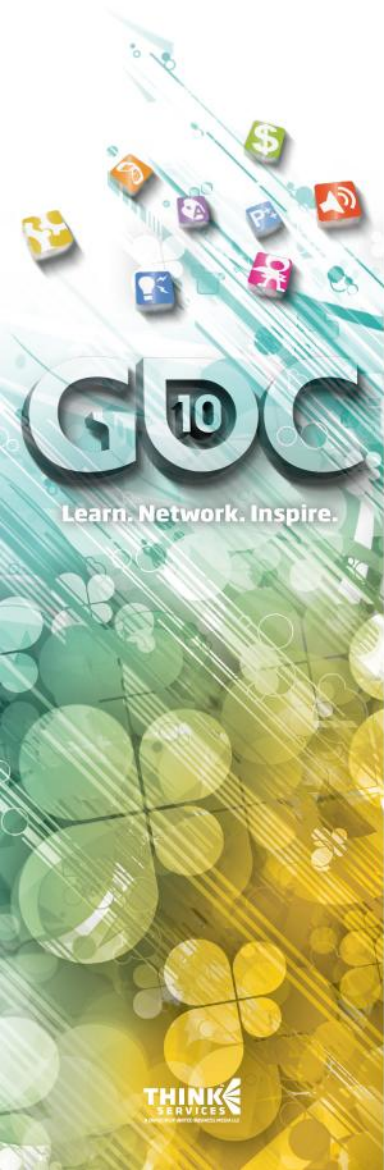
Automate Tests

- ④ Identify tedious QA tasks that can be handled automatically.

Hire a QA tools programmer.

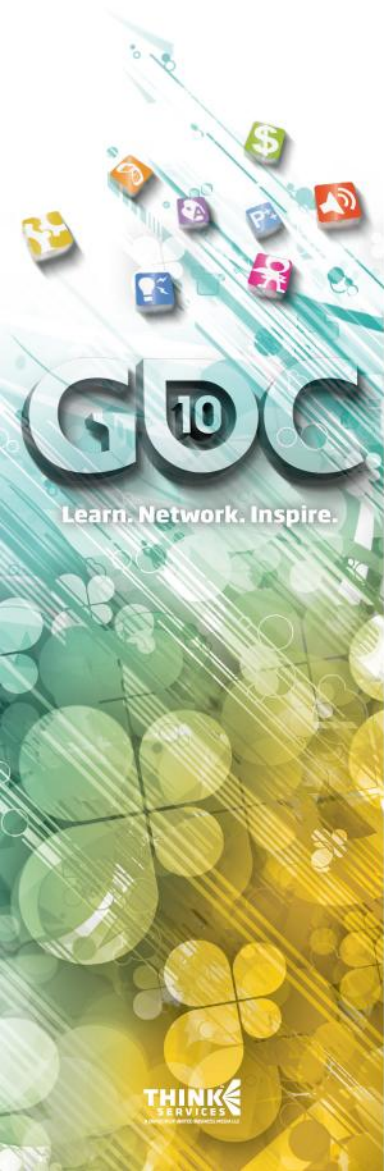
Encourage the dev team to devote some time to the task.

- ④ *Key point: Automated tests are only helpful if they're planned for in advance.*



User Testing

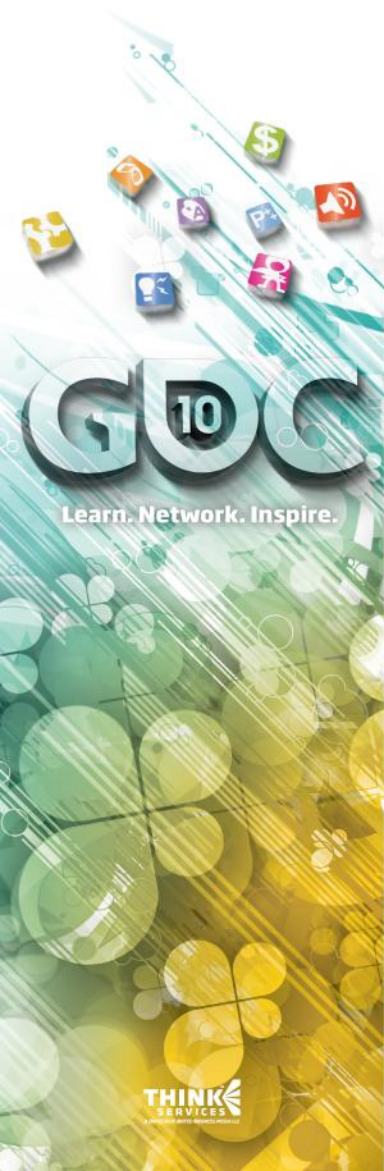
- ⌚ It's not QA testing!
But it's equally important.
- ⌚ Don't sour the user tests with your preconceptions.
- ⌚ Learn to interpret "usability" feedback.
What users want isn't always what they need.



The End is the Beginning.

- ⌚ Increasingly, games see post-release updates.
- ⌚ Should your test strategies change?

Leverage modern business practices and technology to streamline your work.

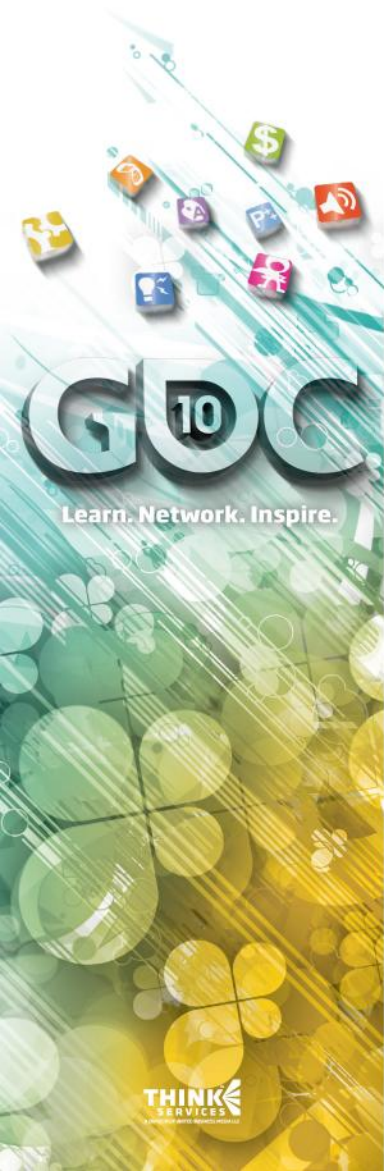


*Test Everything.

⦿ Food for thought:

Now that post-release development is common, is this commandment necessary?

Is “good enough,” good enough?



Thank You!

- ⌘ Questions?
- ⌘ Comments?
- ⌘ Performance Art?

