

A QUICK GUIDE TO IMPLEMENT ATDD

Raj Subramanian

 raj@testim.io

 testim

1

ABOUT ME

- Developer Evangelist at Testim.io
- 12+ Years of Development and Testing
- Blogger, Speaker and Writer
 - <http://www.rajsupra.com/blog/>
 - <https://blog.testim.io/>
 - <http://www.rajsupra.com/publications/>
 - <http://www.rajsupra.com/presentations/>



 @epsilon11

 raj@testim.io

2 |  testim

2

AGENDA

CONTEXT

PROBLEMS

ATDD IMPLEMENTATION

RESULTS

3 | **testim**

3

CONTEXT | PROBLEMS | ATDD IMPLEMENTATION | RESULTS

CONTEXT MATTERS

4

PROBLEMS

5

PROBLEMS



No transparency



Ambiguity in requirements



No one owned the stories



No one knew about the automation framework



No QA-Dev
collaboration



Frequent scope creep



Team morale - all time low

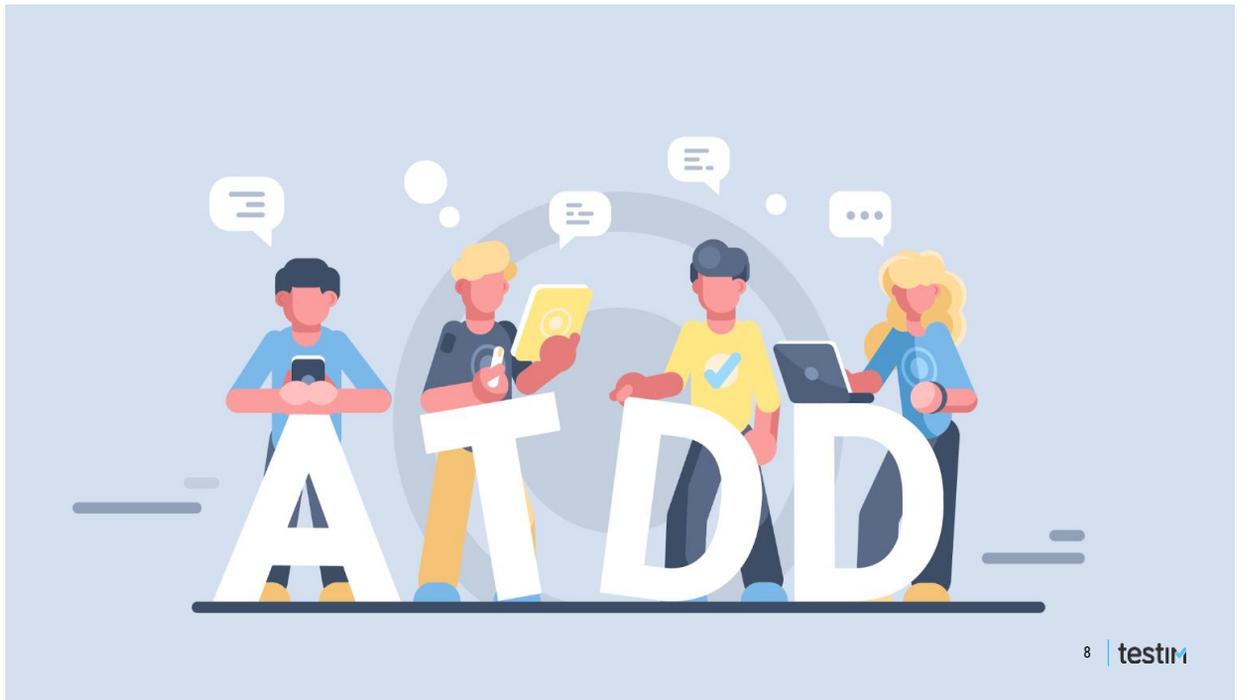
6



Source: <https://giphy.com>

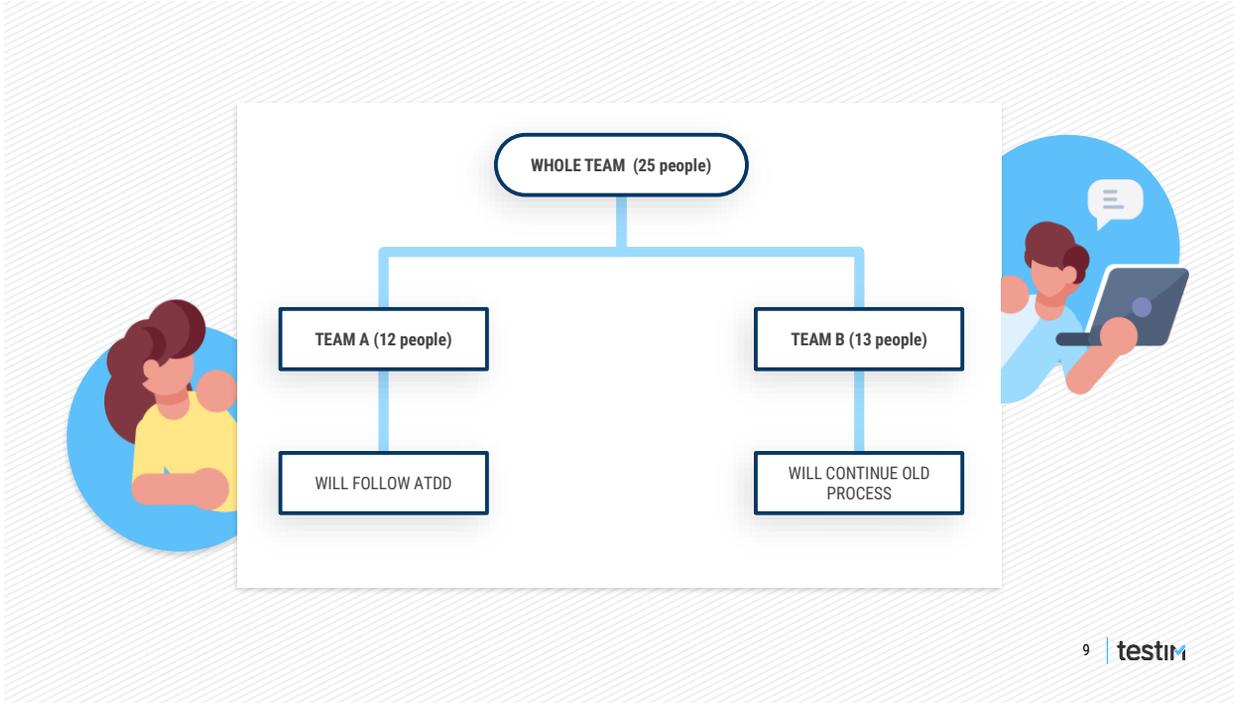
7 | testIM

7



8 | testIM

8



CONTEX | PROBLEMS | **ATDD IMPLEMENTATION** | RESULTS

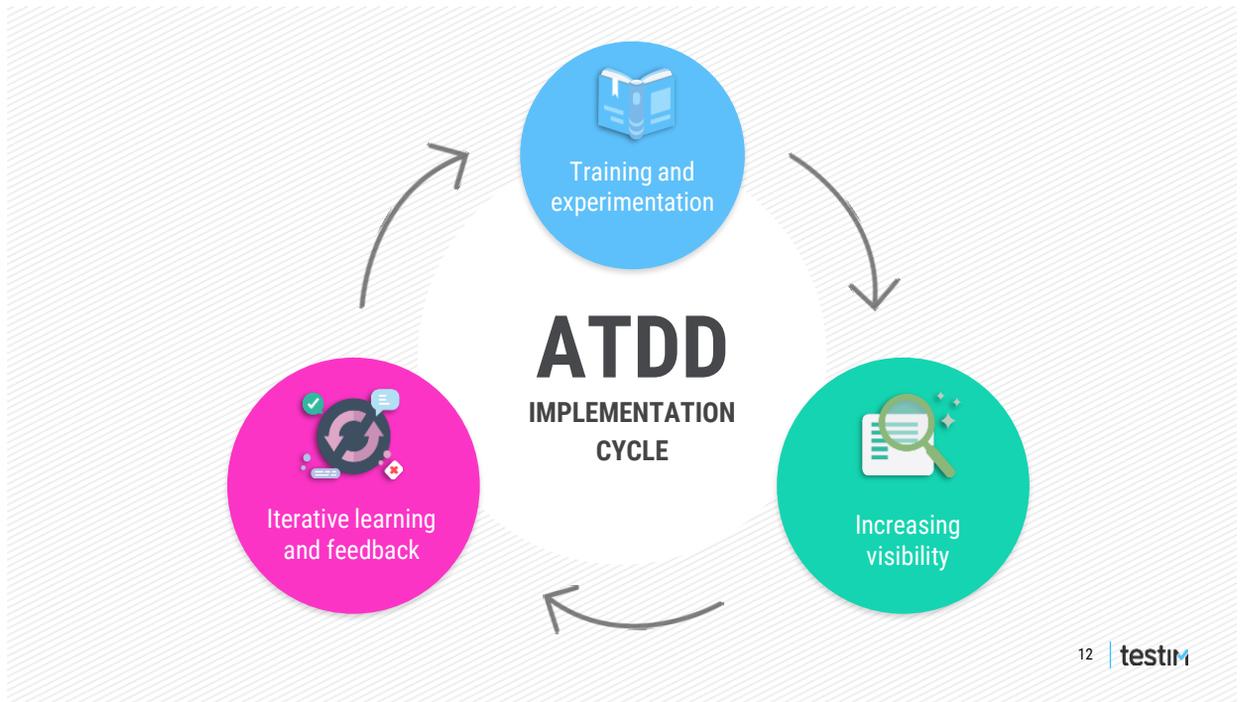
ATDD IMPLEMENTATION



ATDD IMPLEMENTATION CYCLE

11 | **testim**

11



12 | **testim**

12



STEP 1 TRAINING AND EXPERIMENTATION

13 | **testIM**

13

TRAINING

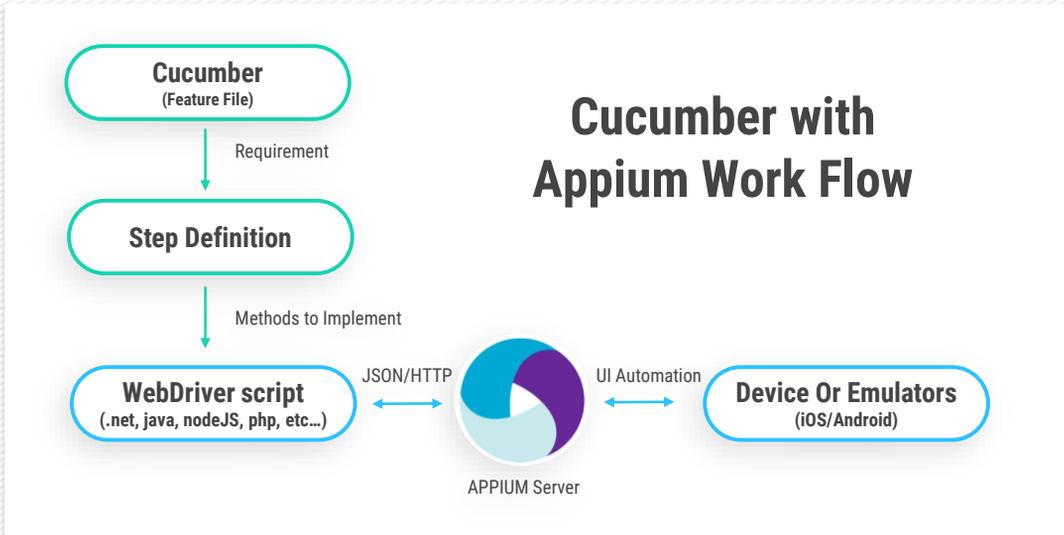


**2 day
workshop**

- How to write Gherkin (GWT)?
- Key attributes of good user story
- Demonstration of automation framework
- Exercises to write test code as a team

14 | **testIM**

14



Source: <https://sppl.com>



STEP 2 INCREASING VISIBILITY

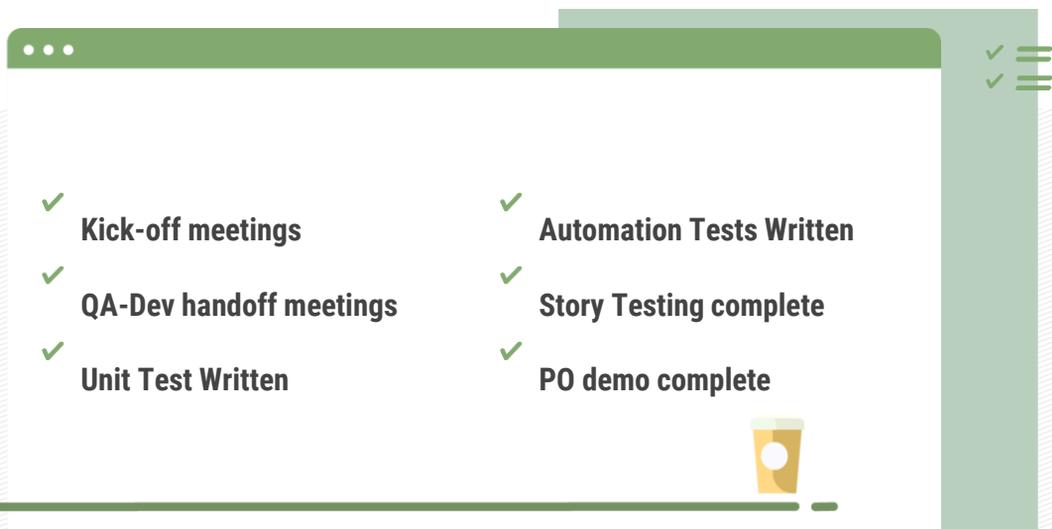
VISIBILITY

Daily processes and Checklists



17 | testIM

17



- ✓ Kick-off meetings
- ✓ QA-Dev handoff meetings
- ✓ Unit Test Written
- ✓ Automation Tests Written
- ✓ Story Testing complete
- ✓ PO demo complete

18 | testIM

18

VISIBILITY



Daily processes



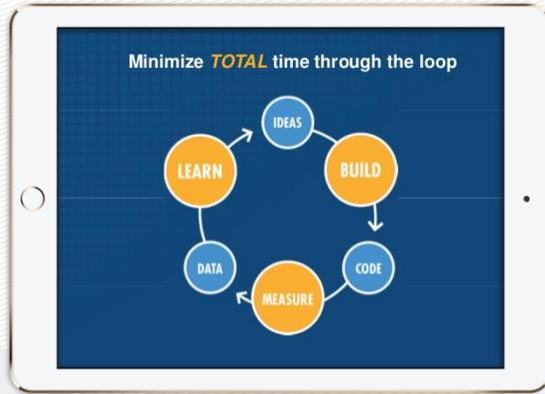
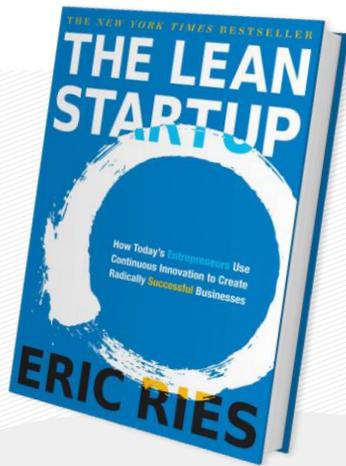
Process Hawk



Automation
visibility



STEP 3 ITERATIVE LEARNING AND FEEDBACK



21 | testim

21

ITERATIVE FEEDBACK



**Bi-Weekly
retrospective
meetings**



**Quick 30 min
meeting/week
with Team A**



**Daily standup
meetings**

22 | testim

22



IMPACT OF ATDD ON TESTING

23 | testIM

23

ATDD AND TESTING



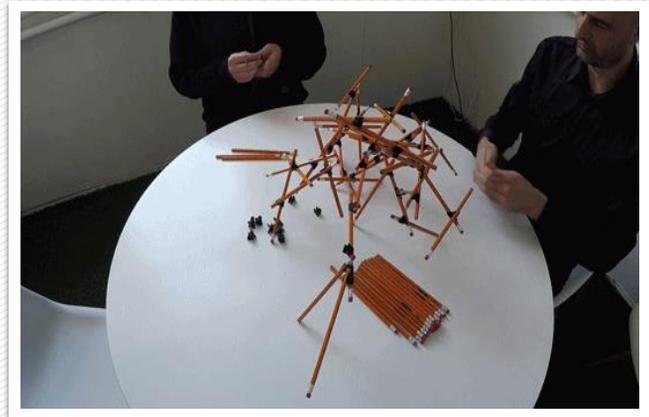
- ✓ Clarity on what is automated vs not automated
- ✓ Paired exploratory testing
- ✓ Dev-QA paired up to write automation code
- ✓ Tagging modules in automation code
- ✓ Had separate automated Smoke Test and Regression Test
- ✓ 2 Day PR rule for automation code

24 | testIM

24

RESULTS

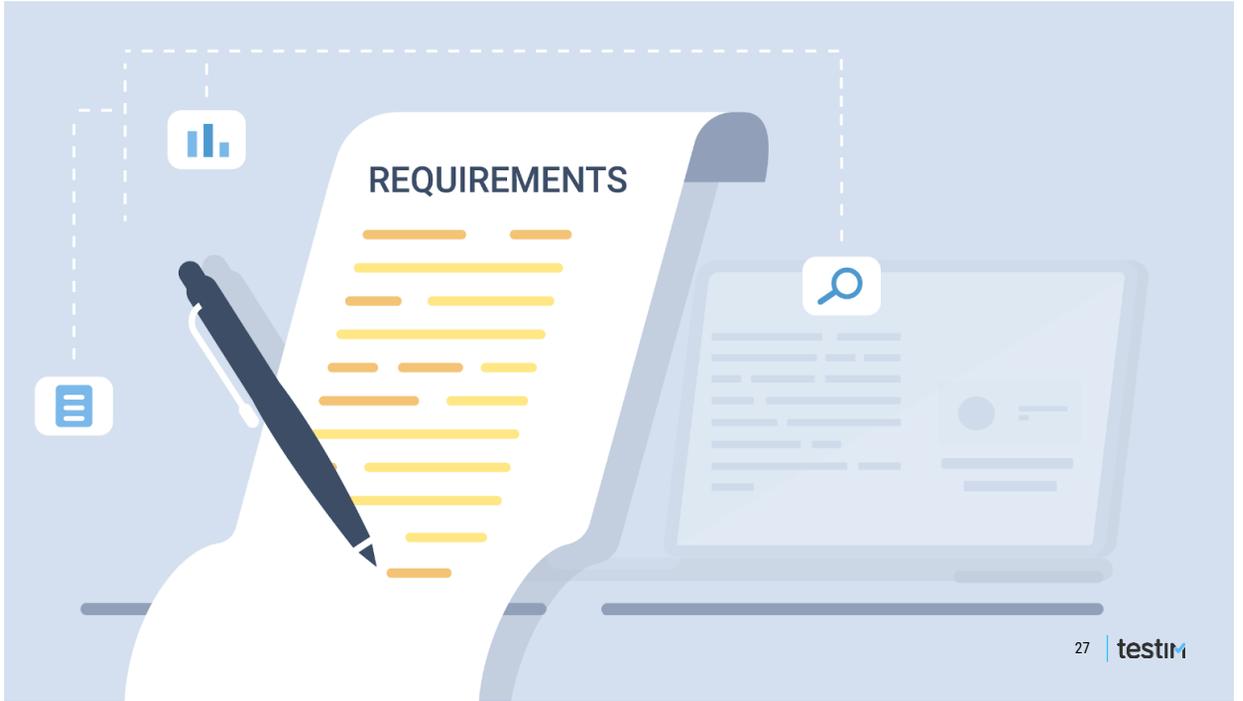
25



Source: [Giphy](#)

26 | **testIM**

26



27



28

CONCLUSION

-  Aligns with “Shift-Left Paradigm”
-  More visibility into automation
-  Not “One size fits all” approach



29 | testim

29

IT'S A WRAP

Website: www.testim.io

 raj@testim.io

 [@epsilon11](https://twitter.com/epsilon11)

 [My Channel](#)

|  **testim**

30

ATDD -

<https://www.infoq.com/articles/quick-guide-atdd>

EXPLORATORY TESTING-

<http://blog.testim.io/exploratory-testing/>

Website: www.testim.io

 raj@testim.io

 [@epsilon11](https://twitter.com/epsilon11)

 [My Channel](#)

 | testim