



# Meet Context Driven Testing

The new face of testing in modern  
software development spaces

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# Who am I?

- Alex de los Reyes
- Software test engineer
- I am **Fearless**
- 18 years experience
- Instructor for the Association for Software Testing



# Why do we test?

What is it? How would you define it?



# Software testing

**A friendly definition...**

Software testing is way to learn about software so that we can make informed decisions about what we should do with what we've built.



# What does testing look like?

How does it happen?



# Context-driven testing

## A modern approach

1. The value of any practice depends on its context.
2. There are good practices in context, but there are no best practices.
3. People, working together, are the most important part of any project's context.
4. Projects unfold over time in ways that are often not predictable.
5. The product is a solution. If the problem isn't solved, the product doesn't work.
6. Good software testing is a challenging intellectual process.
7. Only through judgment and skill, exercised cooperatively throughout the entire project, are we able to do the right things at the right times to effectively test our products.



# Modern testing

## Scripting vs. Exploration

Acting



Improvisation



# Modern testing

## Tooling

- Using automation to inform
- Using tools to help understand
- Making things easier for development and testing

The screenshot displays the Fiddler HTTP debugging proxy interface. The top panel shows a list of events with columns for Time (UTC -07:00) and Message. The middle panel shows a table of web sessions with columns for Result, Protocol, Host, and URL. The bottom panel shows a detailed view of a specific session, including headers, body, and status bar information.

| Time (UTC -07:00) | Message   |
|-------------------|---|
| 2016-09-09        | No older events found at the moment. Retry.   |
| 12:56:47          | WordPress not found in /var/www/html - copying now...   |
| 12:56:47          | Complete! WordPress has been successfully copied to /var/www/html                                   |
| 12:56:49          | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 1... |
| 12:56:49          | AH00558: apache2: Could not   |
| 12:56:49          | [Fri Sep 09 19:56:49.059245 20  |
| 12:56:49          | [Fri Sep 09 19:56:49.059273 20  |
| 13:06:55          | 52.90.111.181 - - [09/Sep/2016  |
| 13:06:56          | 52.90.111.181 - - [09/Sep/2016  |
| 13:06:56          | 52.90.111.181 - - [09/Sep/2016  |
| 13:06:57          | 54.210.246.190 - - [09/Sep/2016   |

| Result | Protocol | Host | URL               |
|--------|----------|------|-------------------|
| 26     | 200      | HTTP | www.snapfiles.com |
| 77     | 200      | HTTP | www.snapfiles.com |
| 78     | 200      | HTTP | www.snapfiles.com |
| 79     | 200      | HTTP | www.snapfiles.com |
| 80     | 200      | HTTP | www.snapfiles.com |
| 81     | 200      | HTTP | www.snapfiles.com |
| 82     | 200      | HTTP | www.snapfiles.com |
| 83     | 200      | HTTP | www.snapfiles.com |
| 84     | 200      | HTTP | www.snapfiles.com |
| 85     | 200      | HTTP | www.snapfiles.com |

Response is encoded and may need to be decoded before inspection. Click here to decode.

HTTP/1.1 200 OK  
Cache-Control: no-store  
Content-Type: text/javascript  
Content-Encoding: gzip  
Expires: 0  
Vary: Accept-Encoding  
Server: Apache/2.4.18 (Ubuntu)  
Set-Cookie: AAO02=1327107811-44623751; expires=Friday, 24-Sep-2016 12:00:00 GMT  
X-ModID: 237493611  
X-Powered-By: ASP.NET  
Date: Wed, 23 Jan 2012 16:10:11 GMT  
Connection: close  
Content-Length: 2561



# My goal

Offer strategies and techniques that we can all use to help improve the way we learn about our software and ultimately improve the quality of software we provide to external and internal stakeholders.



# So what do you want to hear more about?

Questions? Comments? Please chime in!



# Thanks for your time!

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