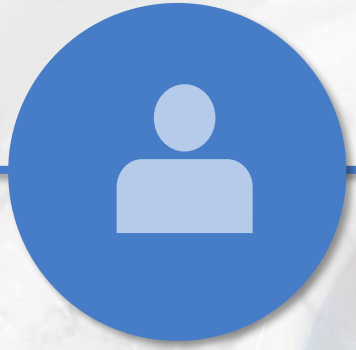
A/B Test Automation

John Pourdanis – Software Engineer in Test



About me

Software Engineer in Test

- Last ~3 years working at Pheron LTD schooX
- 7 years in Software Development Industry
- Thessalonki Software Testing & QA Meetup Organizer
- Software Quality Enthusiast
- Public Speaker Wannabe
- Find me at LinkedIn and Twitter @jpourdanis

Applitools Eyes

applitools eyes

1. A smart tool for compare images
2. Different matching levels with AI Algorithms
3. Easy to integrate with existing code
4. A/B Testing Feature

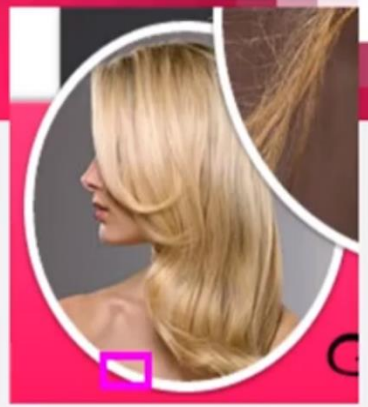
The problem that the eye can’t detect

Pixel to Pixel Matching problems

FALSE POSITIVE

Example #1

Anti Aliasing 1/2



The problem that the eye can’t detect

Pixel to Pixel Matching problems

FALSE POSITIVE

Example #1

Anti Aliasing 2/2

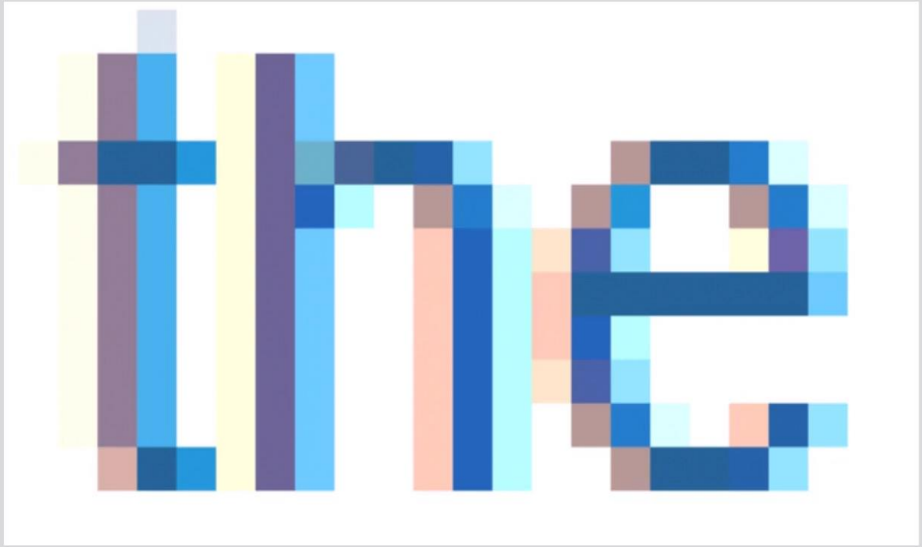
The problem that the eye can’t detect

Pixel to Pixel Matching problems

FALSE POSITIVE

Example #2

Brightness 1/2



To login please enter the following information:

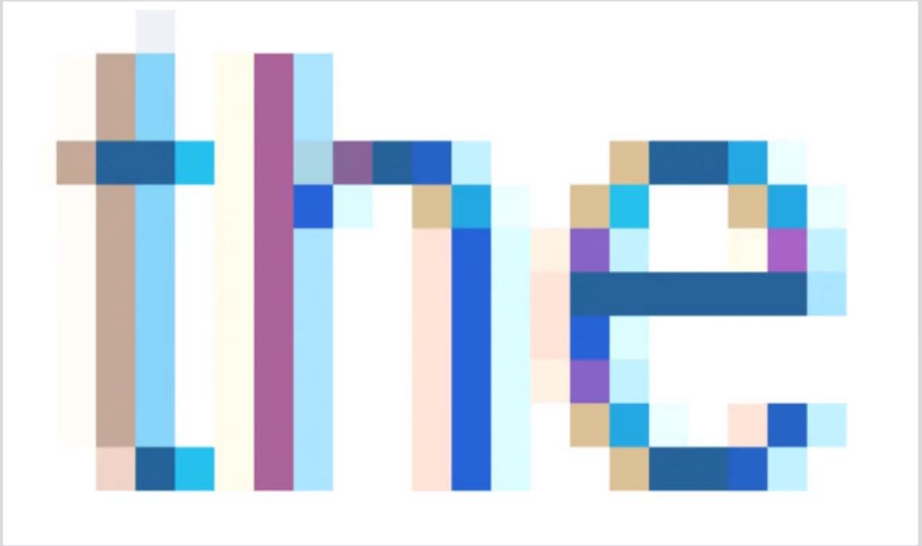
The problem that the eye can’t detect

Pixel to Pixel Matching problems

FALSE POSITIVE

Example #2

Brightness 2/2



To login please enter the following information:

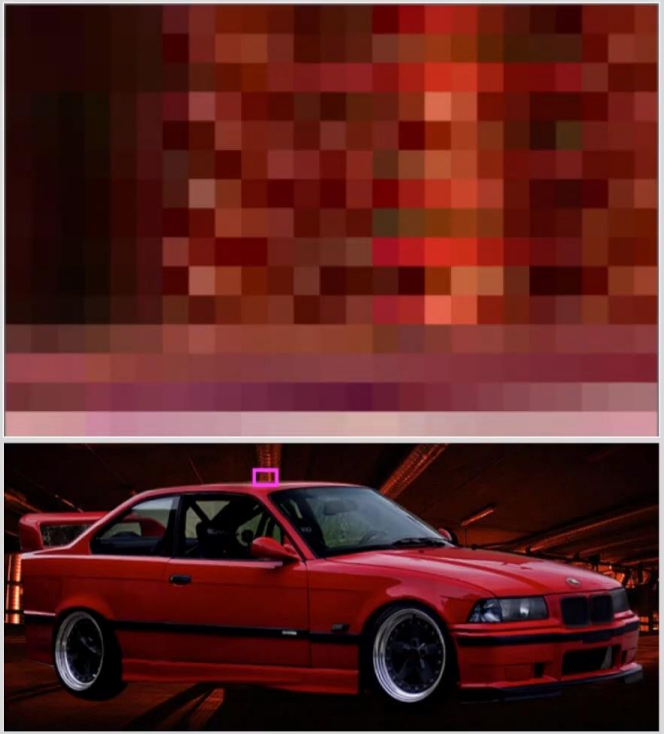
The problem that the eye can’t detect

Pixel to Pixel Matching problems

FALSE POSITIVE

Example #3

Image Scaling 1/2



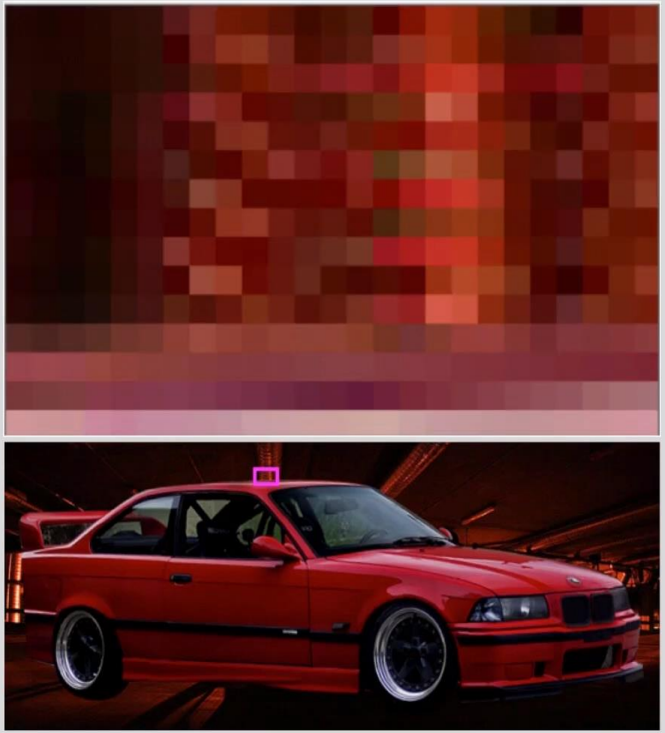
The problem that the eye can’t detect

Pixel to Pixel Matching problems

FALSE POSITIVE

Example #3

Image Scaling 1/2



Match Levels

applitools
Automated Visual Testing

1

Exact

pixel-to-pixel comparison, not recommended. Exact performs a pixel-to-pixel comparison with predefined threshold.

2

Strict

Strict knows to ignore rendering changes that are not visible to the human.

3

Content

Content works in a similar way to Strict except for the fact that it ignores colors.

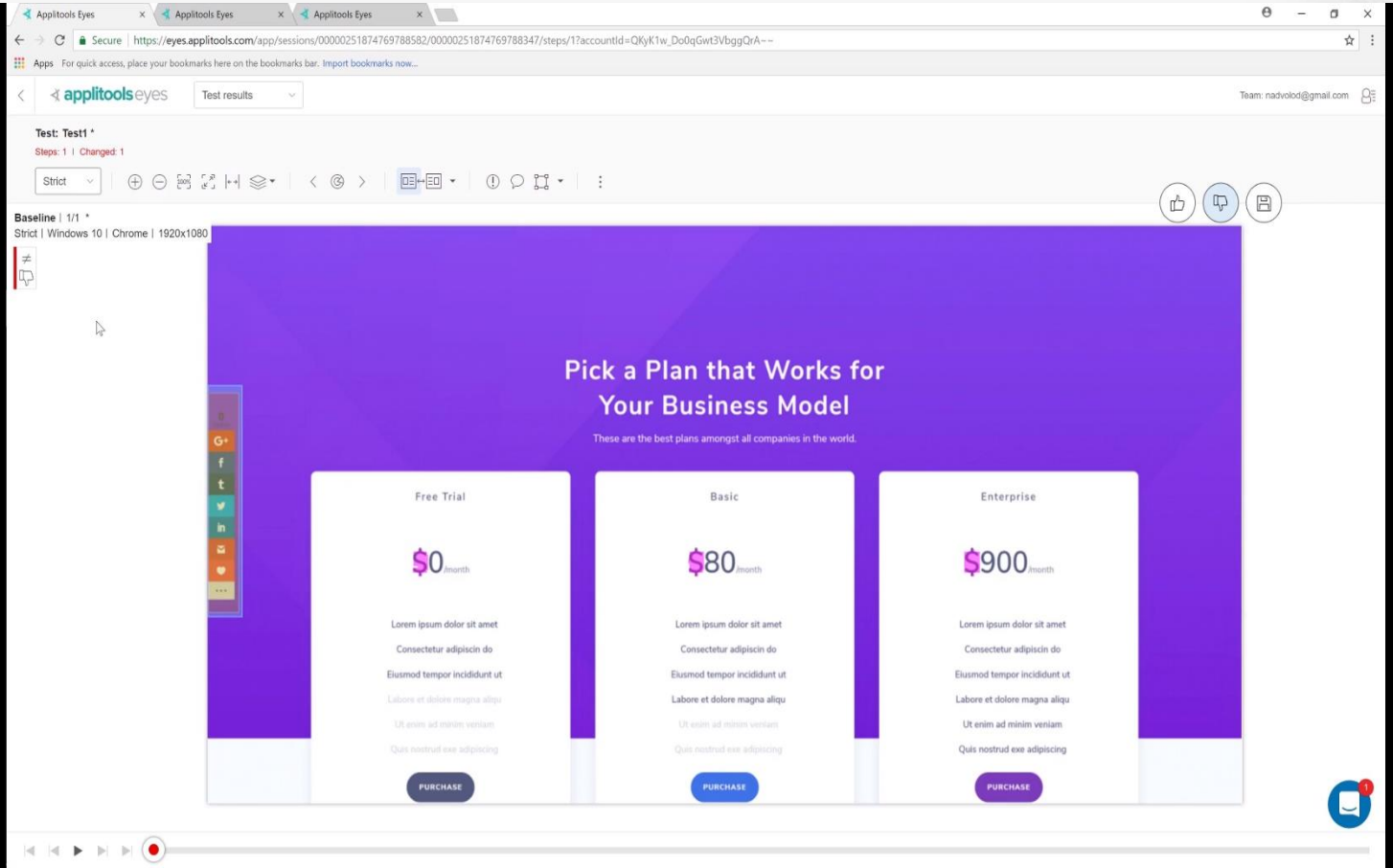
4

Layout

It validates the alignment and relative position of all elements on the page, such as: buttons, menus, text areas, paragraphs, images,It ignores the content, colour and other style changes between the pages.

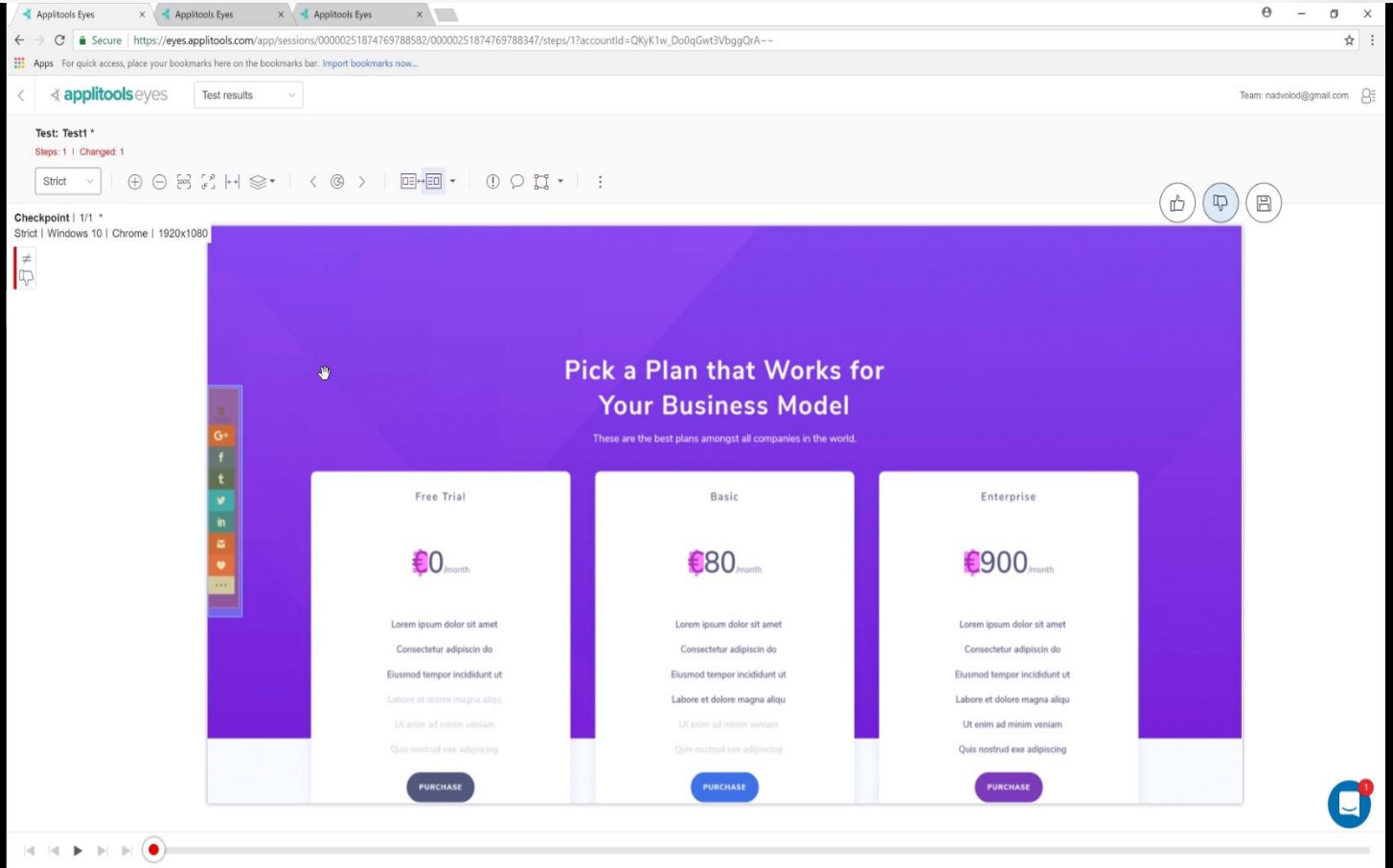
Match Level : Strict

applitools
Automated Visual Testing



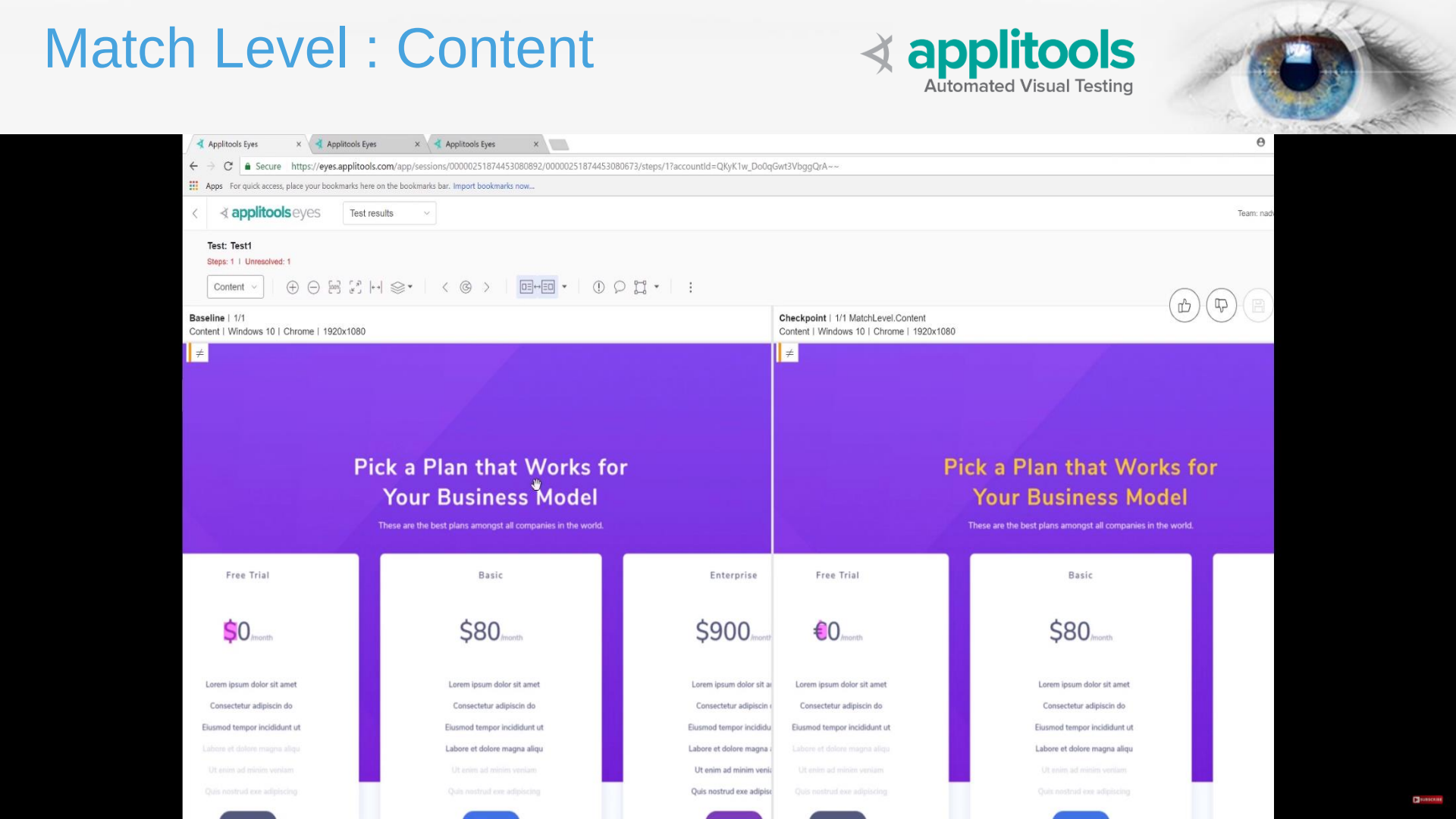
Match Level : Strict

applitools
Automated Visual Testing



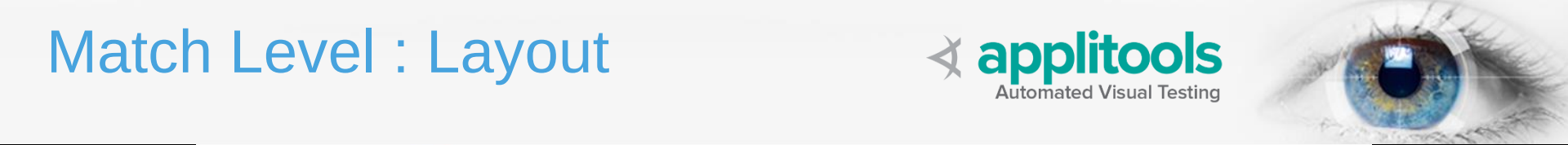
Match Level : Content

applitools
Automated Visual Testing



Match Level : Layout

applitools
Automated Visual Testing



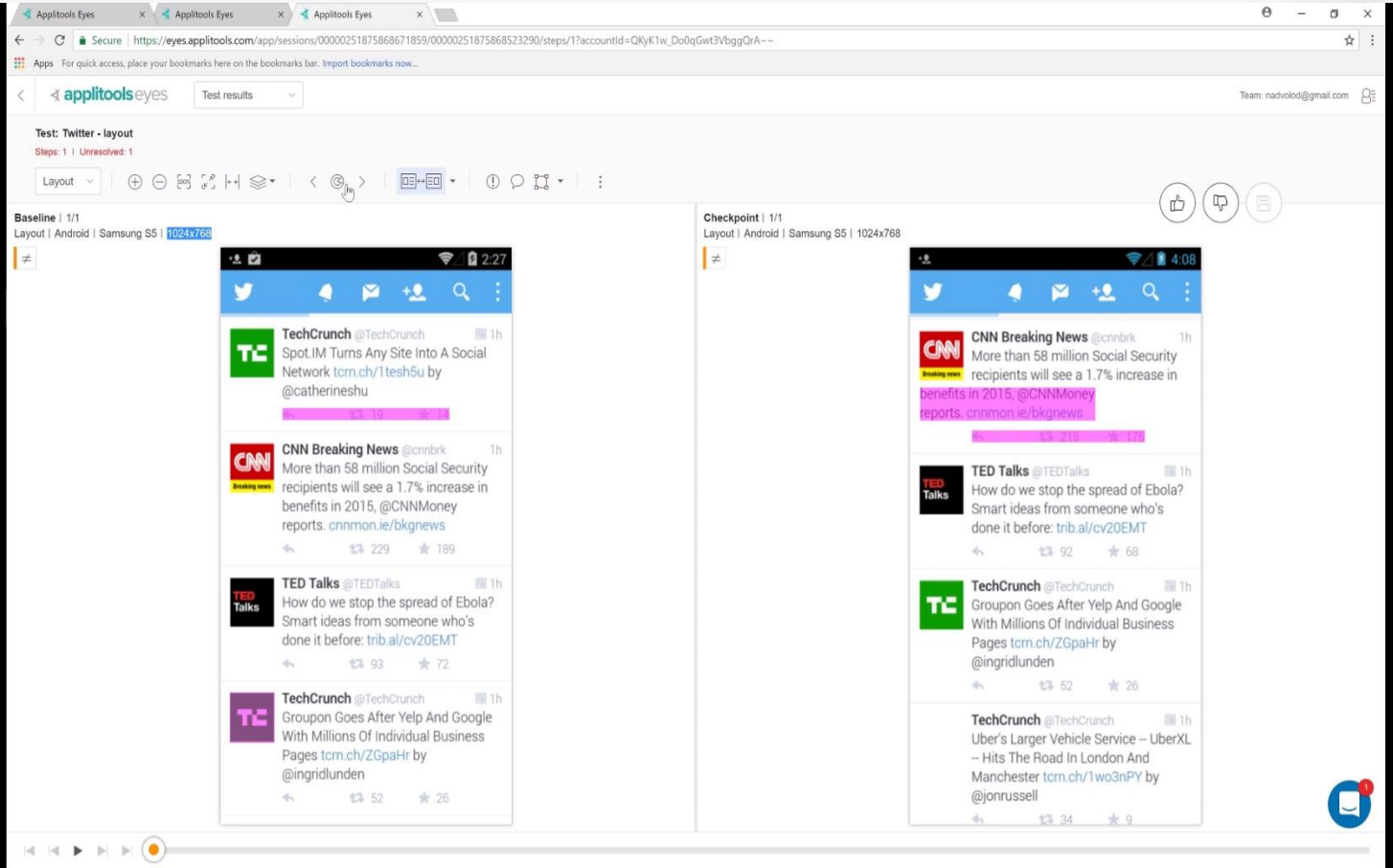
Match Level : Layout

applitools
Automated Visual Testing

Cross-Browser]

Match Level : Layout

applitools
Automated Visual Testing



Demo Time

A/B Testing With Applitools

applitools
Automated Visual Testing

Thank you

Questions?