# Revolutionizing Testing

Empowering Manual Testers with Al-Driven Automation

**Dmitry Vinnik** 

# Today's Focus

Manual Testing and Its Importance

No-Code Solutions and AI in Testing

Visual Testing with Preflight and Applitools

# Let's start with a question

@DmitryVinnik

dvinnik.com

# What lies in the core of all Software Engineering?

# Software Development Lifecycle



Source: synotive.com



Source: synotive.com

### This is a testing event!

### Let's talk about testing

# Broadly

# There are two types of testing

Manual

Testing

**Automation** 

#### Both are valid!

# Manual Testing is Important

#### **Book Suggestion**



#### Explore It!

Reduce Risk and Increase Confidence with Exploratory Testing



Elisabeth Hendrickson

Edited by Jacquelyn Carter

#### But

### Manual Testing

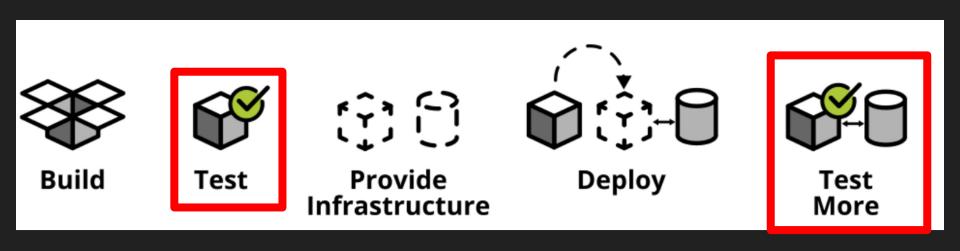
# Manual Testing Cannot be Core Testing

# Manual Testing Cannot be Core Testing

# Why?

### Continuous Delivery

### Continuous Delivery



By Ham Vocke

#### Smoke Tests

# Automation Testing and Continuous Delivery

Regression Funnel

# And it's not just about Continuous Delivery

# The world is changing

# The world is getting faster

# World Changes

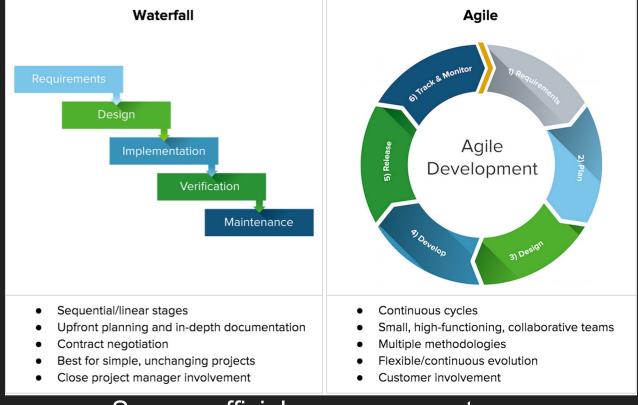
Waterfall to Agile

### Software Changes



Source: officialconsumerreport.com





Source: officialconsumerreport.com

Waterfall to Agile

### Software Changes

Waterfall to Agile

Hybrid Engineering

Software Changes

Developers

Developers

**Testers** 

Developers

**Testers** 

## Engineering Roles

Developers

**Testers** 

## Engineering Roles

Hybrid Software Developer

## Engineering Roles

Software Developer

Waterfall to Agile

Hybrid Engineering

Software Changes

Waterfall to Agile

Hybrid Engineering

### Software Changes

Lean Organizations

#### Cloud Services

[] as a Service

#### Leaner Orgs

Remote Work

**Economy Changes** 

Waterfall to Agile

Hybrid Engineering

### Software Changes

Lean Organizations Waterfall to Agile

Hybrid Engineering

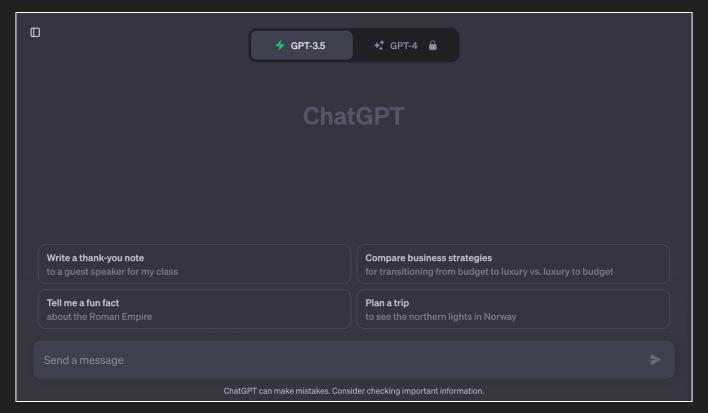
### Software Changes

Lean Organizations Explosion of Al

### Al in Everything

Al-powered language models

## Al in Everything



Source: https://chat.openai.com/

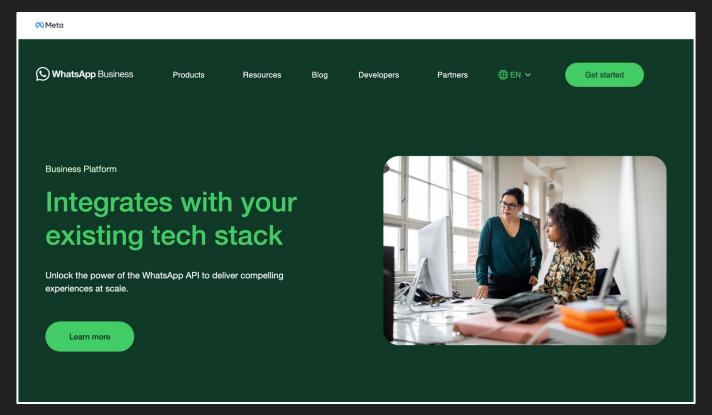
Al-powered language models

## Al in Everything

Al-powered language models

Messaging/ Bots

## Al in Everything



Source: https://business.whatsapp.com/

Al-powered language models

Messaging/ Bots

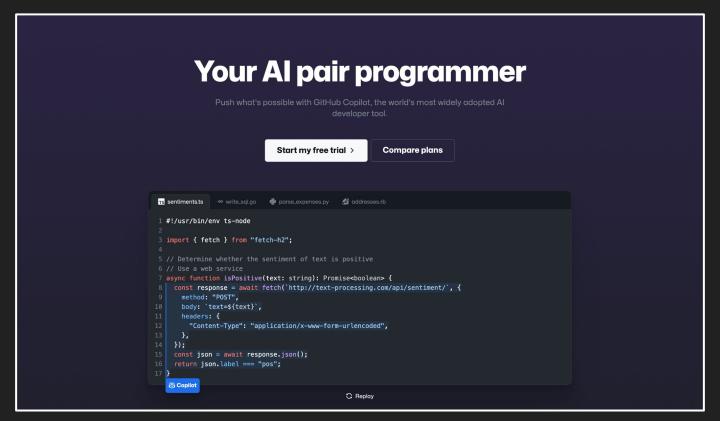
## Al in Everything

Al-powered language models

Messaging/ Bots

## Al in Everything

Development



Source: https://github.com/features/copilot

Al-powered language models

Messaging/ Bots

## Al in Everything

Development

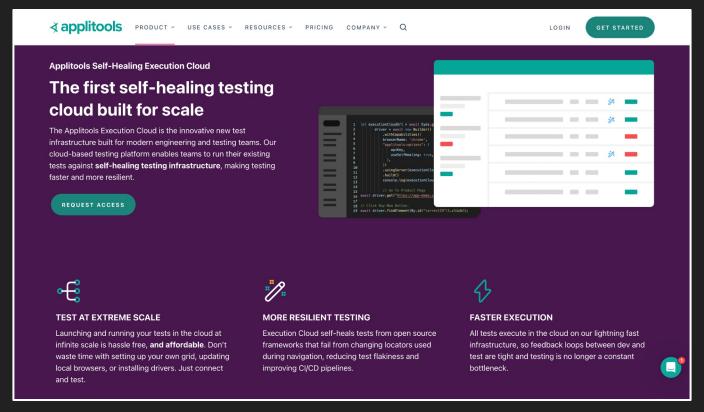
Al-powered language models

Messaging/ Bots

### Al in Everything

Development

**Testing** 



Source: https://applitools.com/platform/execution-cloud/

## Again

#### This is a testing event!

#### So

@DmitryVinnik

dvinnik.com

#### Let's focus on Testing

#### As we said before

# There are two types of testing

## Testing

#### Manual

## Testing

Manual

Testing

**Automation** 

## Manual Testing is not Scalable

#### But we can't just switch

## From Manual to Automation

## Difficulty of Manual Shift

Different Approach

#### Difficulty of Manual Shift

Different Approach Learning Curve

#### Difficulty of Manual Shift

Different Approach Learning Curve

#### Difficulty of Manual Shift

**New Tooling** 

Different Approach Learning Curve

#### Difficulty of Manual Shift

**New Tooling** 

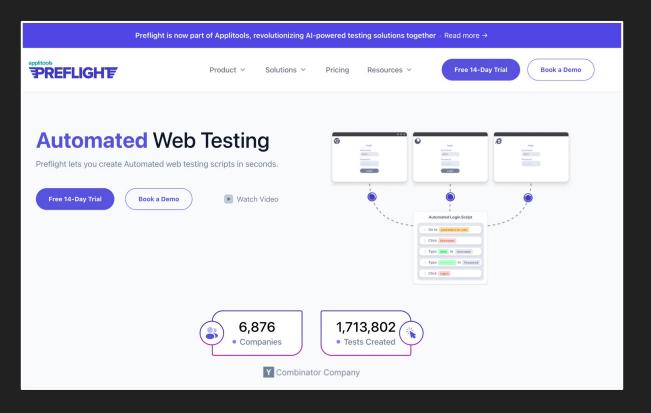
Manual is Still Needed!

## So how do we empower Manual Testers?

## To be more productive in the modern world

### No-Code, Al Powered Tools

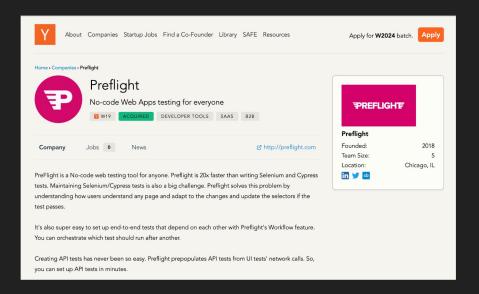
#### Like



Source: https://preflight.com/

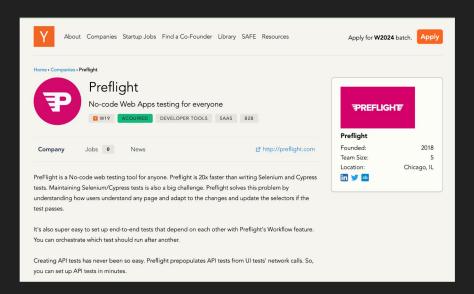
### Preflight By Applitools

# "No-Code Tool for Everyone"

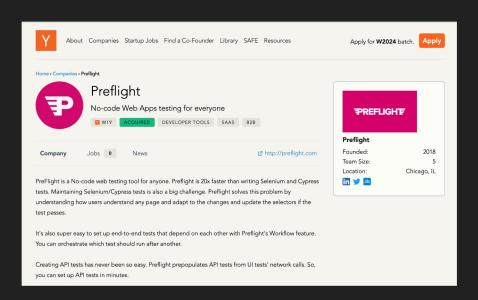


Y-Combinator, 2019 (Founded in 2018)





Y-Combinator, 2019 (Founded in 2018)



Y-Combinator, 2019 (Founded in 2018)



Acquired by Applitools, 2023

Faster to Write/Create

Shallow Learning Curve

### Preflight

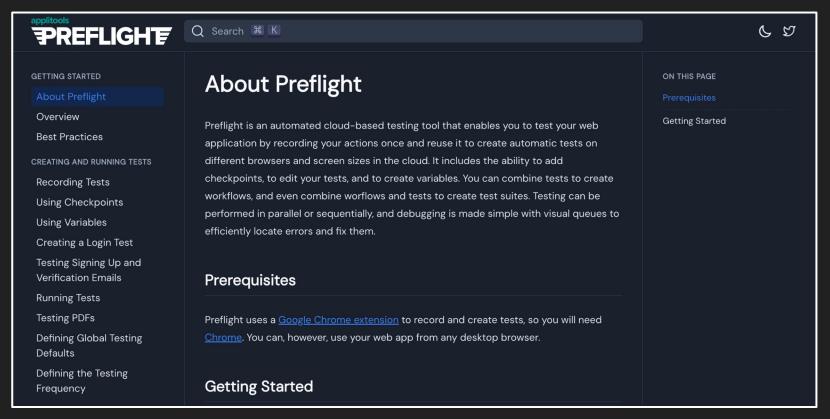
Email & PDF Verification

Autogenerated API Tests

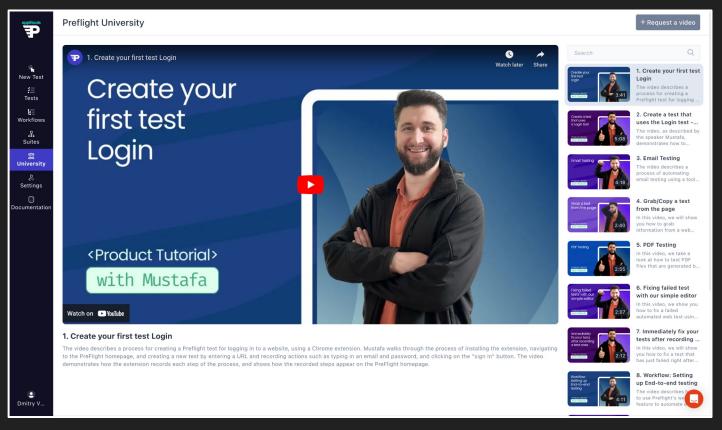
### Preflight Demo

# Preflight (Standard) Demo

#### Preflight Resources



Source: https://preflight.com/

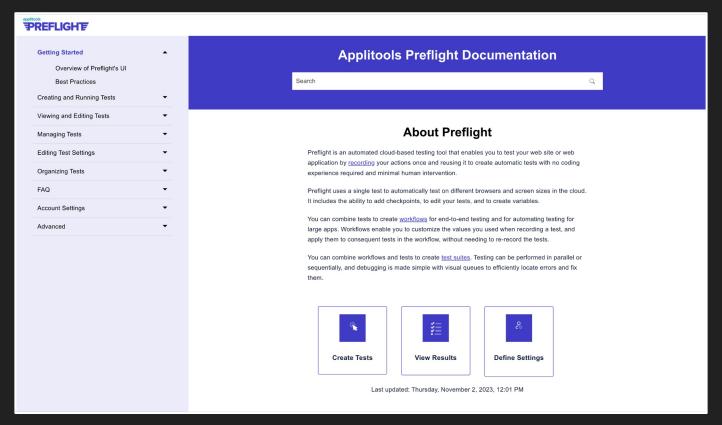


Source: Preflight University

#### Disclaimer:

Subject to change, Don't make purchasing decisions

# Preflight (Visual) Demo



Source: Applitools Preflight Documentation

Evaluate Current Testing Setup

Investigate Opportunities

Call to Action

A/B Test Transition Don't Stagnate!

Q/A

### About Speaker

Twitter: @DmitryVinnik

Blog: dvinnik.dev

LinkedIn: in/dmitry-vinnik/

Email: dmitry@dvinnik.dev