

STAR **CANADA**

A TECHWELL EVENT

T6

Virtual Reality

Thursday, October 18th, 2018 11:30 AM

Testing Retail VR Applications

Presented by:

Nimesh Patel

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Nimesh Patel

Nimesh Patel is an experienced, passionate, and skilled software test professional with thirteen years of experience in software testing and quality. As a hands-on test lead and manager, he's actively involved in the testing efforts of all the projects he works on. He's tested different types of software systems with different testing missions, and his specialities include web, mobile, VR, and SOA-based software systems in the technology, insurance, and financial sectors. He's managed testing on large, medium, and small projects and is involved in helping companies build their software test practice, including the training, coaching, and development of software testers. He is currently test lead and head of the testing practice at Valtech Canada, an innovative agency that brings digital experiences to the next level.

Testing Retail Virtual Reality (VR) Applications

By Nimesh Patel

October, 2018

Testing Retail Virtual Reality (VR) Applications





**Nimesh
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**”Logic will get you from A to B.
Imagination will take you everywhere.”**

— Albert Einstein

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**Testing Retail
VR Applications
require
imagination.**



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We Did Our Homework




**We Tailored a Test Approach
to Retail VR Apps**



**We Got Insights
Into the Impact of
Non-Functional Elements**

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We Did Our Homework




We Tailored a Test Approach
to Retail VR Apps



We Got Insights
Into the Impact of
Non-Functional Elements

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We Reviewed Our VR History

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We Studied the Problem.



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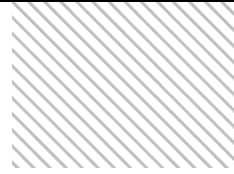
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**We Studied the Solution
With Our Imagination
Turned On.**

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**We Studied the
Retailer's Business.**



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**We Studied the
Retailer's Customers.**

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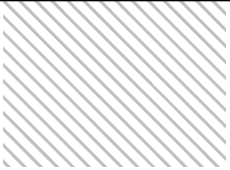


We Looked at How the Software Helps Customers.



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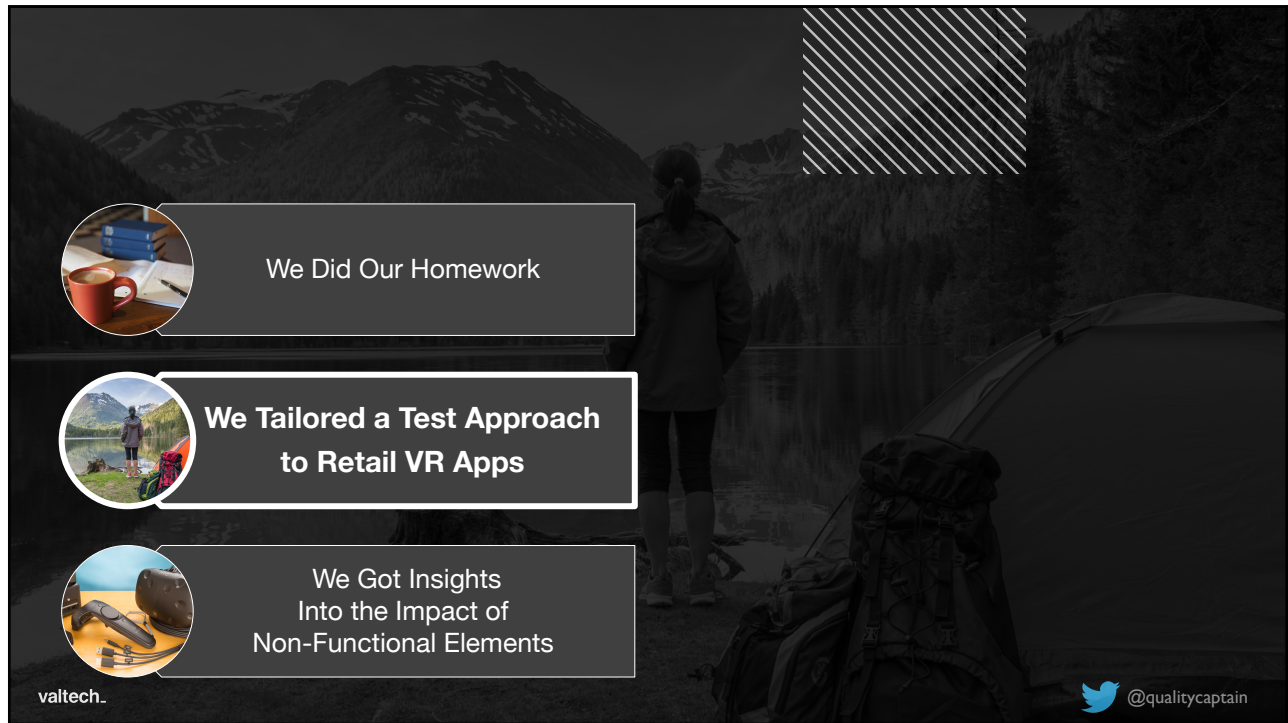



We Reviewed Important Documents.





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 We Did Our Homework

 We Tailored a Test Approach to Retail VR Apps

 We Got Insights Into the Impact of Non-Functional Elements

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”Quality is the value to some person.”

By Jerry Weinberg

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The system may meet the requirements, specifications and design, but if it doesn't accomplish its mission, it has no value.

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**We Studied
Other VR
Applications.**



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We Used *Imagination* to Answer Questions:

Who?

What?

When?

Why?

How?

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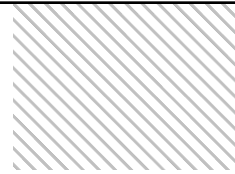
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Testing is Exploratory.



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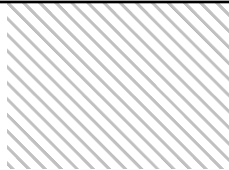


We Chose Test Strategies.



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Pair Testing with Developers.



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Pair Testing with UX Experts.

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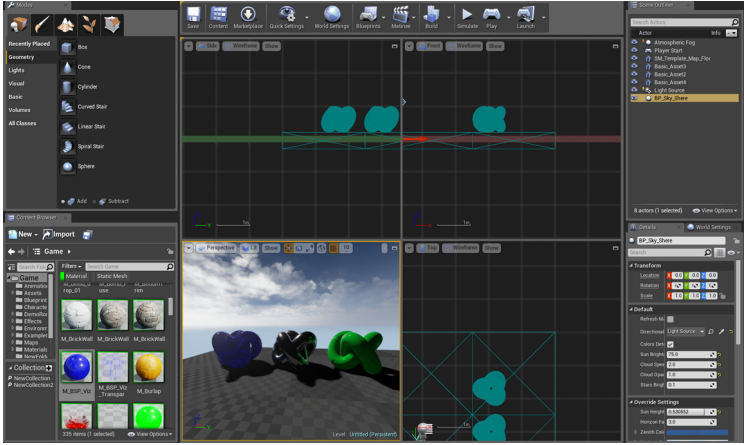
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Testers Pairing Up.



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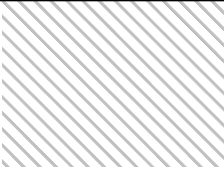
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The Engine Powering the VR Application

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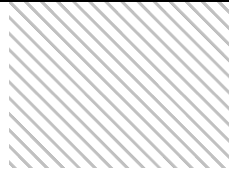


First Launch.



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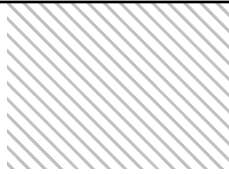
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Navigation.

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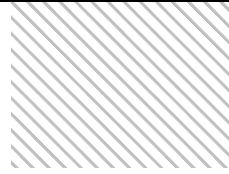


Teleportation.



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Test Sessions.


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**“We’re entering a new world
in which data may be
more important than software.”**

— Tim O’Reilly

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Testing & Analytics.



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Testing Integrations.

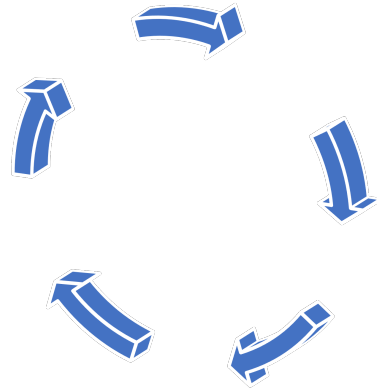


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Regression Tests and Client Releases.




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**“Success belongs to the relentless learners.
Because as you know more, you can achieve more.”**

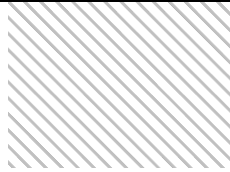
— Robin Sharma

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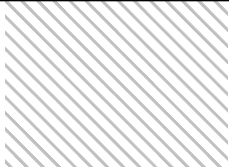


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Collaboration With UX Experts.


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Feedback From the Valtech Team.




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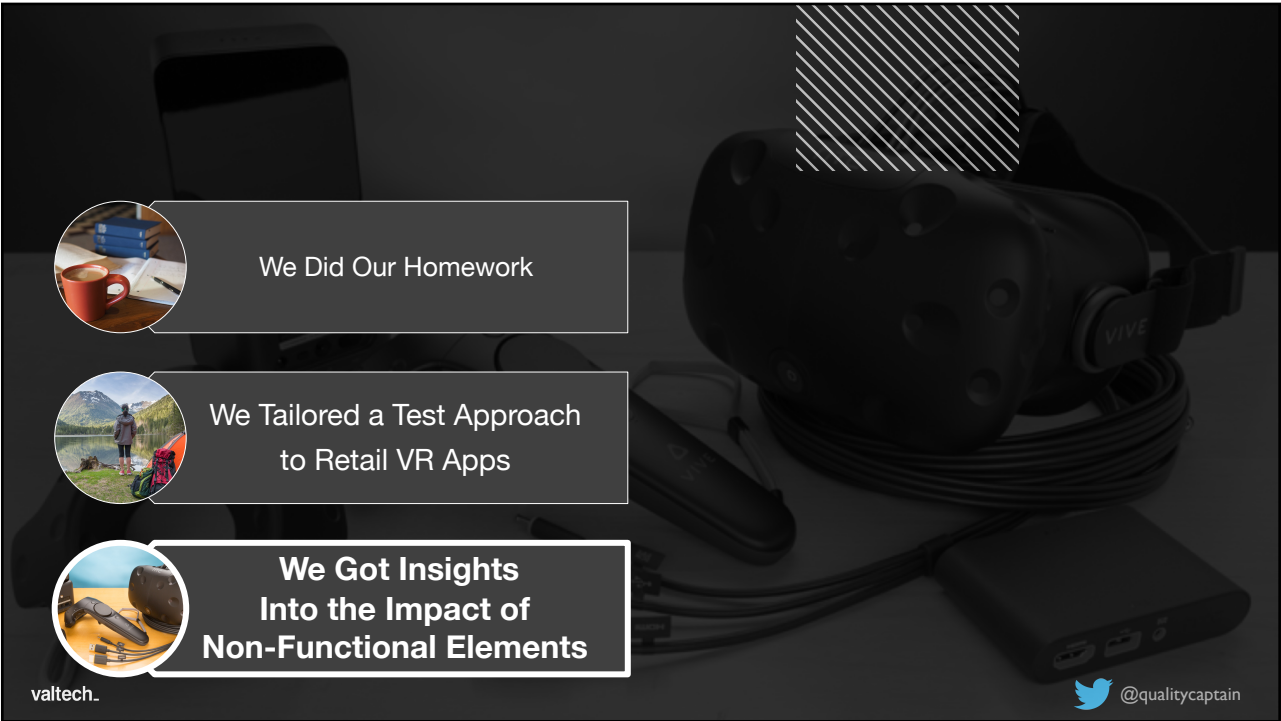
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Feedback From Our Demos.

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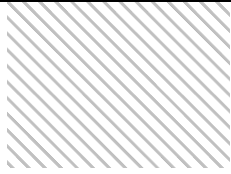
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-  We Did Our Homework
-  We Tailored a Test Approach to Retail VR Apps
-  We Got Insights Into the Impact of Non-Functional Elements

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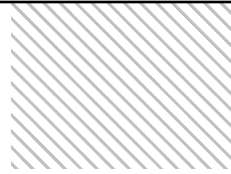


Intuitiveness.



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Performance.



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VR Equipment.



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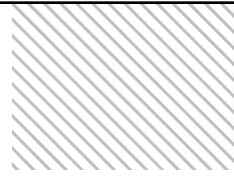


VR Machines.



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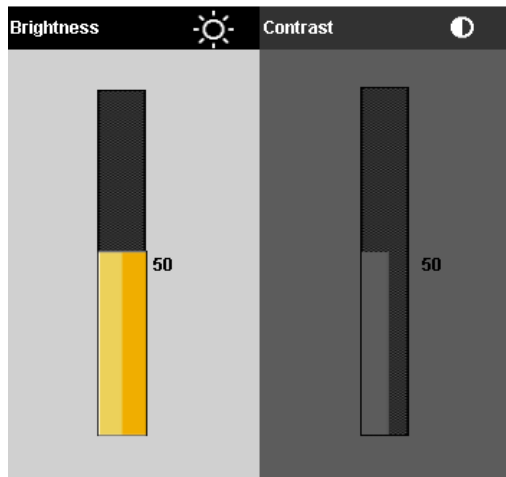
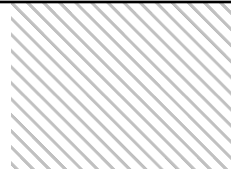


VR Field of View.



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Brightness and Contrast.

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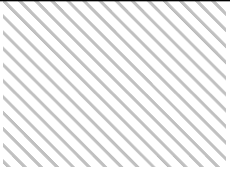


Different Sounds.



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Left-Handed and Right-Handed Users.



LEFT RIGHT

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VR Controllers.




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thank you

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