

### **ABOUT ME**



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# <u>Exercise – 1</u> Duration: 5 Mins

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Select an <u>App or Website</u> Give <u>3 Reasons</u> why you like it



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### **PART - 1**

- Testing Approaches
- Localization Testing
- Accessibility Testing
- Difference in Testing Approaches



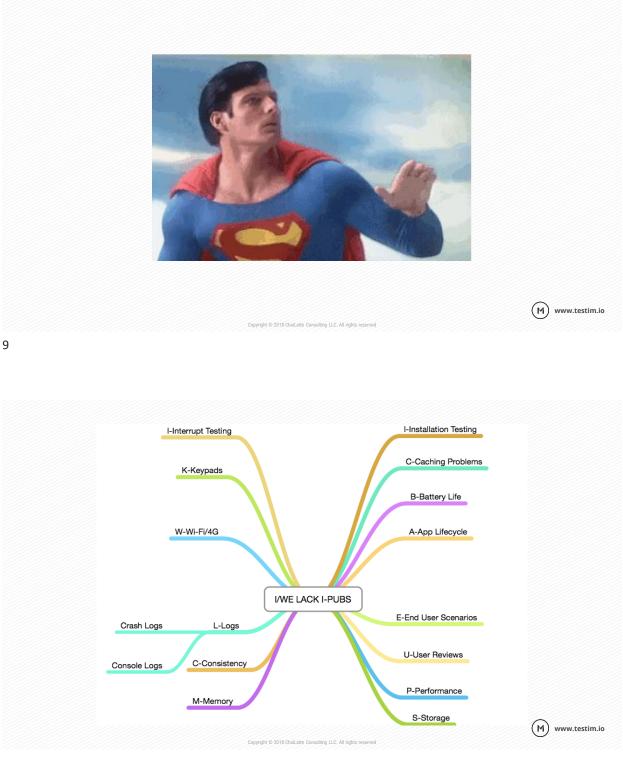
 Session Based Exploratory Testing (ET)

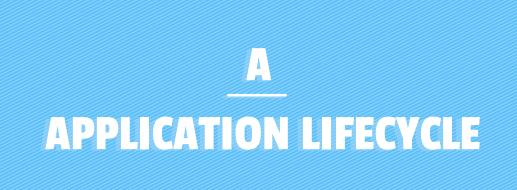


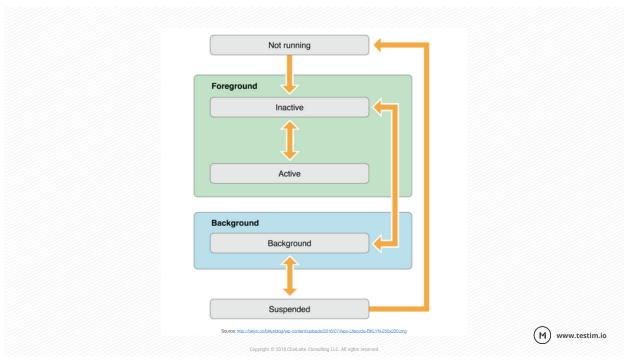
# **TESTING APPROACHES**

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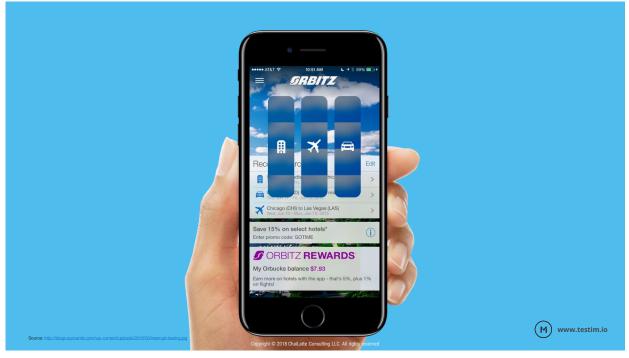


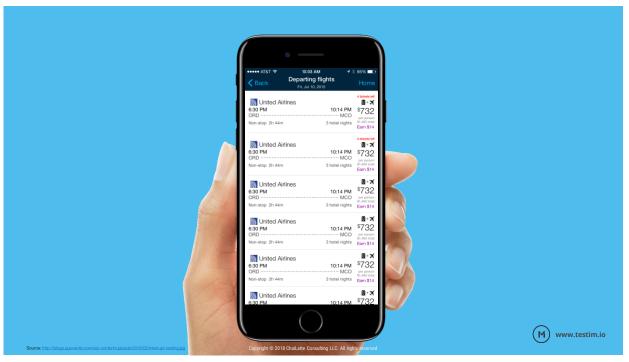
### **INTERRUPT TESTING**

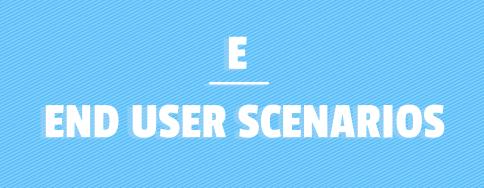


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I would like my gift to	remain anonymous.	
My employer others a     Please save the cost o	natching gift program. I will mail the matching gift form. I acknowledging this gift by not mailing a thank you letter.	
(Please type any questions or		
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How may we contact	t you? C-mail	
	Telephone	
I would like to receive new	Fax letters and information about special events by:	
	E-mail Postal Mail	
I would like information	about volunteering with the	
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Donate online with confiden	ce. You are on a secure server.	
If you have any problems or q	vestions, please contact support.	
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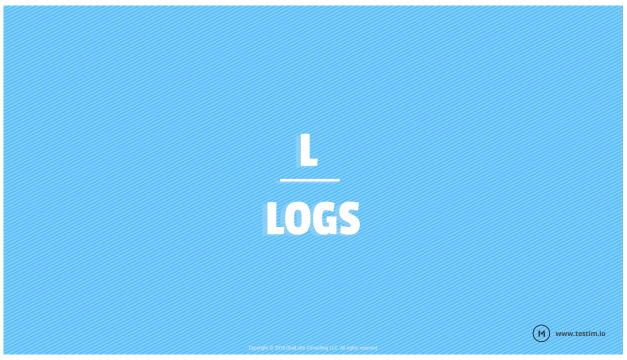


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### **TEST IDEAS**

- Look and Feel across Android, iOS, Windows
- Search
- Header, Footer elements
- Banners
- Sign in/out
- Links
- Share Functionality Twitter, Facebook, E-mail



### **IOS LOGS VIA XCODE**

- Install <u>Xcode</u>
- Connect iOS Device to Mac
- Select <u>"Trust this Computer"</u> on device pop-up
- Open Xcode, Go to Windows->Devices
- Select <Your Device>
- Reproduce the Problem
- Select "Download Arrow button" on bottom right

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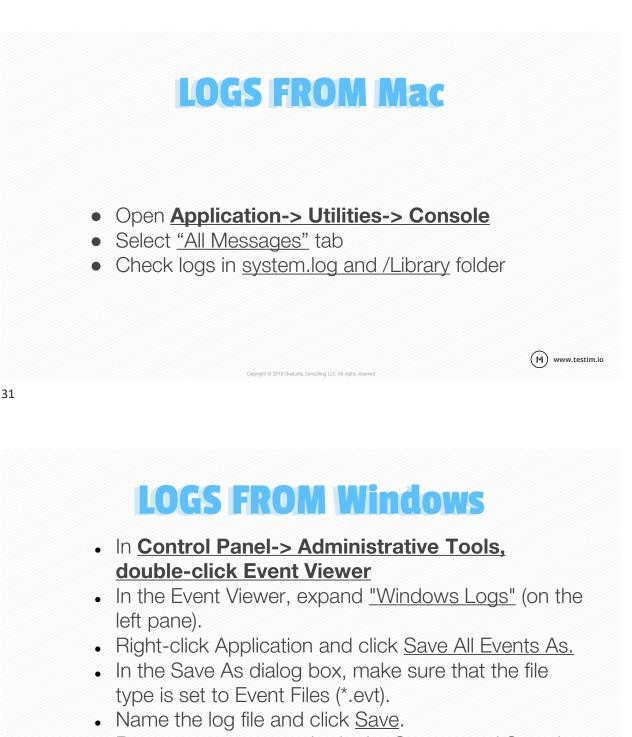
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### **ANDROID LOGS VIA ADB LOGCAT**

- Android Debug Bridge (adb) <u>https://developer.android.com/studio/command-line/adb.html</u>
- Different ways to install it
- Homebrew <u>http://brew.sh/</u> via SDK manager, part of the IDE
- Download the zip manually <a href="https://developer.android.com/studio/releases/platform-tools.html">https://developer.android.com/studio/releases/platform-tools.html</a>

### **ANDROID LOGS VIA ADB LOGCAT**

- After adb installation,
- Connect your phone
- Open Terminal
- Go to sdk folder, usually in /Users/<YourUsername>/Library/Android/sdk
- Type "cd platform-tools"
- Type "./adb logcat"



Repeat steps 5-7 to obtain the <u>System and Security</u>
 <u>logs.</u>
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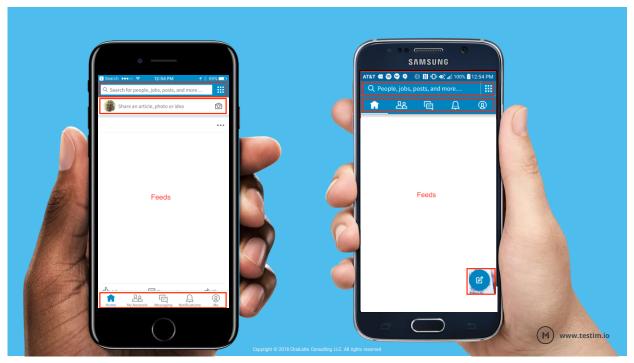


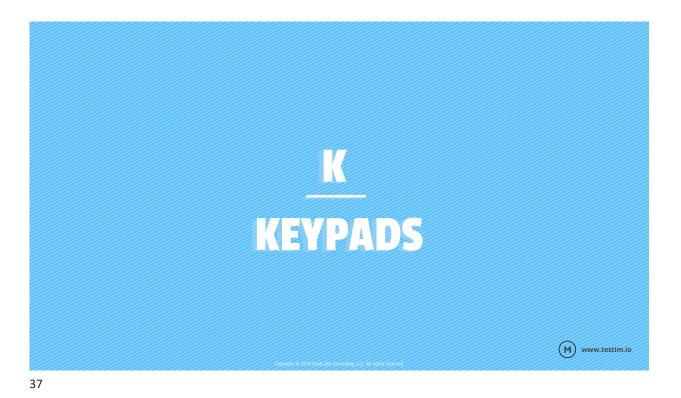
### CONSISTENCY

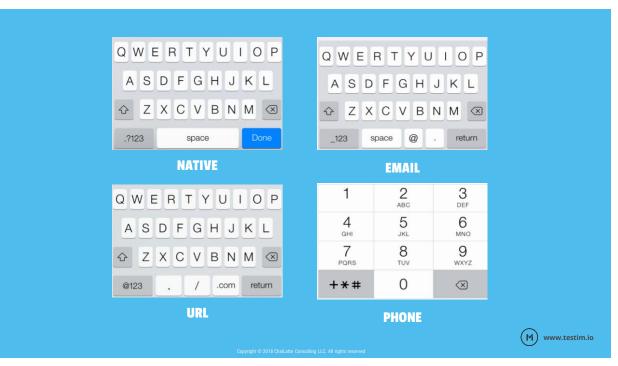
Is your app consistent across multiple devices? Is your customer getting the same experience?















#### 1. I payed three dollars for this

As the title say I payed three dollars for this and it crashed every time I tride to play It. Give back my money now! I just downloaded this game and can't play because of the crashes. My three dollars was wasted on a crashy game. Waaat Please please please give me my money back. Not fair I will change my review If get my money back. Just in case It waan't clear that money belongs to me so give it back. This isn't the dumbest thing I bought on my iPad but still I bought this and it would be fun if it didin t crash so much. I enjoy reviewing games. Just give back my money so that I can not feel bad about buying this game. Please this isn't even my own money that I spent so I really need it back! I was going to spend that money on comics. Please!!!! Hee ha . I fixed that but I still won't change my review. Great game by the way. Hope the beginning of this review doesn't bother you guys. Just want my money back but that no longer matters. Still not a five with a gene/app.

#### 33. Unimpressed

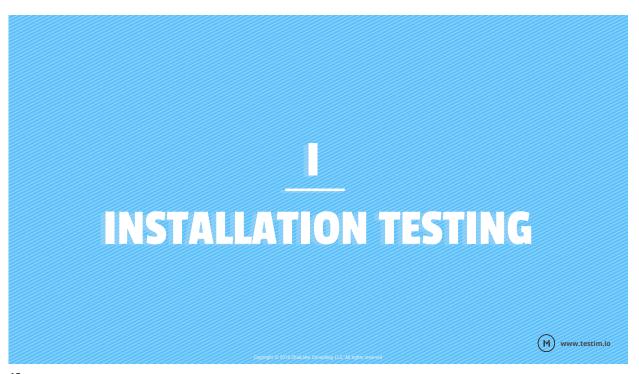
\*\*\*\*\* Katelyn1234566 - May 1, 2015 This mediocre RPG is unrealistic. There is no way anyone could have a laser sword. The laws of physics forbid such an atrocity. Also the pacing is all wrong. You can't pause battles in real life and decide what you're gonna do next. Its obvious the developers are lacking in the ability to understand how real life works.

#### 12. Tofu hunter saved me

\*\*\*\*\* Soybean lover - May 25, 2015 Before tofu hunter my life was in a rut and I had no idea what to do with my life, I was stuck with my daily task of consuming tons and tons of tofu to no end. Then tofu hunter came and consumed my life, thank you tofu hunter you are my lord.

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### **INSTALLATION TESTING**

### What happens

- Delete the app and install the new app
- Delete cache, uninstall app and install new app
- Install app over existing app
- Install app over Wi-Fi/4G/Bluetooth/USB



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### **PERFORMANCE TESTING**

### **Key Performance Validation Areas**

- Dynamic Images
- Maps
- Web Service Calls
- Client Side Validations

### **PERFORMANCE TESTING**

### **Performance Testing Tools**

- Instruments (Free) part of Xcode
- adb tool (Free) part of Android
- NeoLoad https://www.neotys.com/neoload/overview
- WebLOAD (Free 50 virtual users) http://www.radview.com/webload-download/
- LoadComplete <a href="https://smartbear.com/product/loadcomplete/overview/">https://smartbear.com/product/loadcomplete/overview/</a>
- Apache Jmeter (Free)- <u>http://jmeter.apache.org/</u>
- BlazeMeter https://www.blazemeter.com/

# **B,S BATTERY LIFE AND STORAGE**

### **BATTERY LIFE & STORAGE**

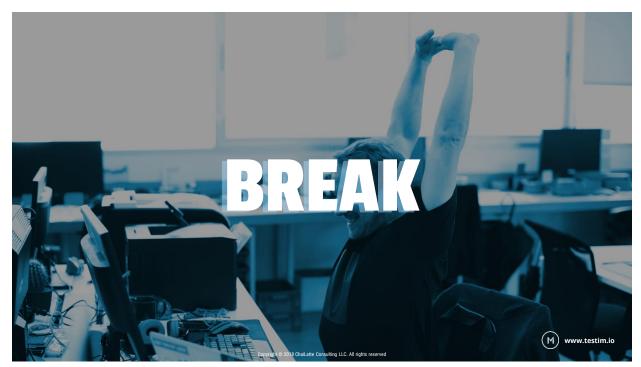
Leave your app on •--for a day and monitor battery life (close all other apps, daemon process and have logs)

•---• How much memory does your app consume? (Compare with your competitor apps)

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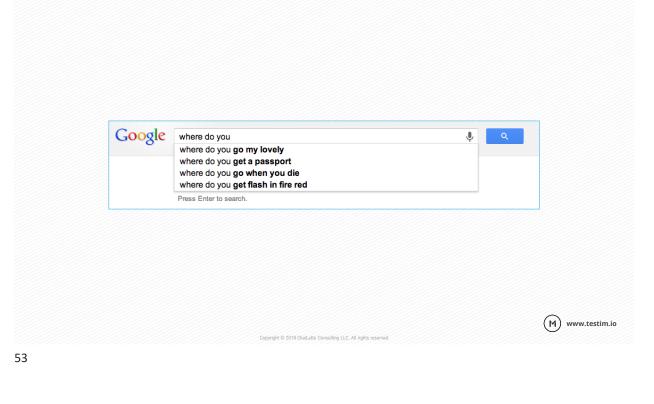






#	# (cont'd)
Descriptors 0 5 <del>▼</del>	.Projects 0 3▼
.Common People 0 43*	.Artistic Projects 0 2*
.Common Sources 0 13-	.Business Projects 0 24
.Media Types 0 17-	.School Projects 0 4-
.Misc 0 8*	GERO380 3
.Projects Descriptors 0 9+	HBIO308 6
Knowledge 0 4*	PSYC339 22
.General Topics 0 5*	WRIT340 9
.Meditations & Scie 0 3*	
.Personal Developm 0 3•	
Work 0 4-	

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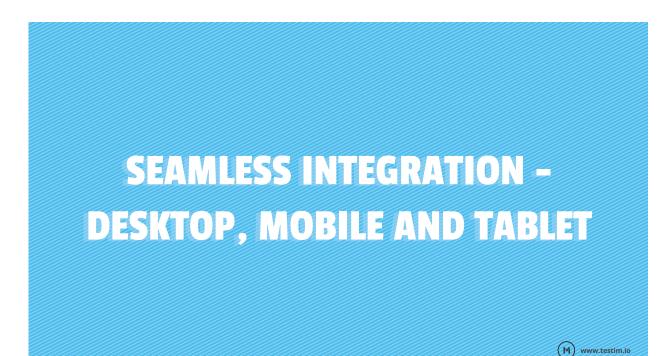
### EXERCISE - 3 DURATION: 10 MINS

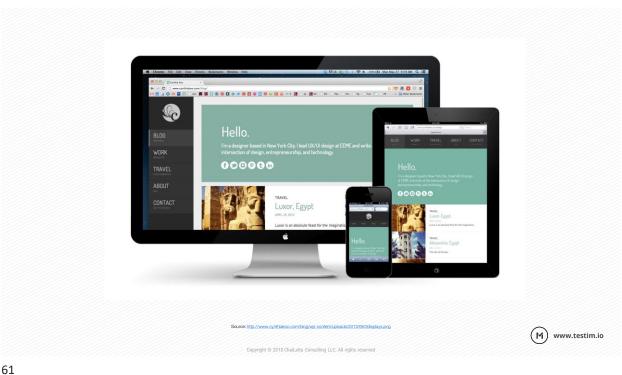
DOWNLOAD THIS APP FROM APP STORE OR GO TO WWW.YELP.COM

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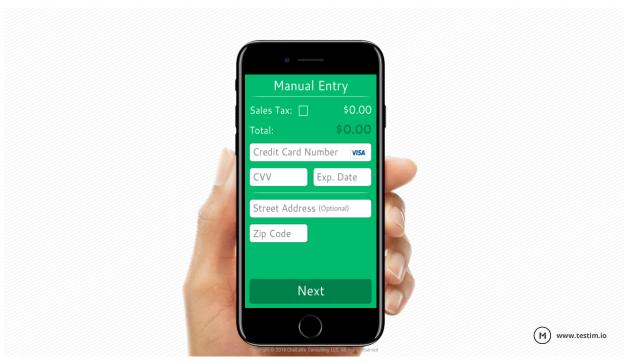




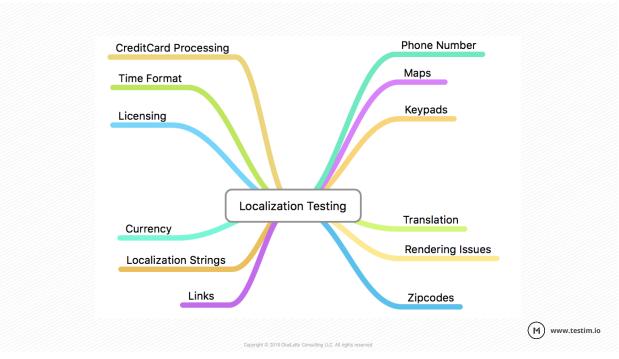






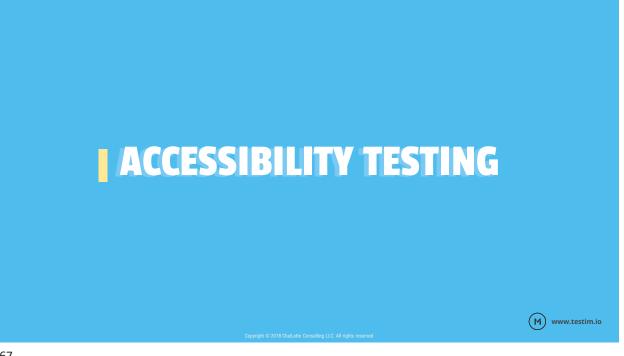






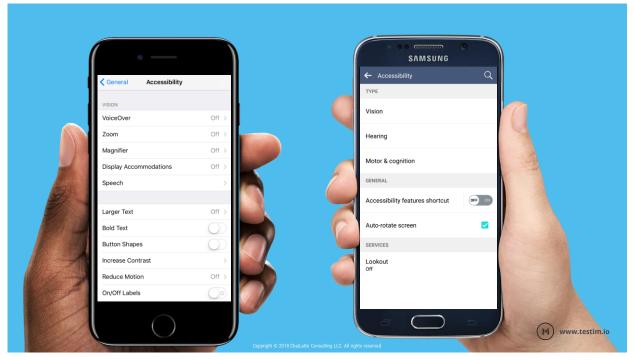


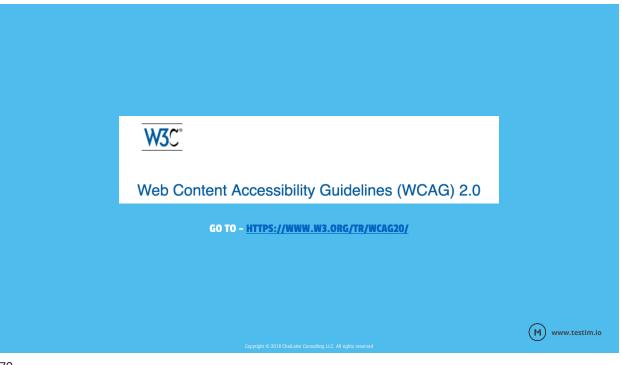
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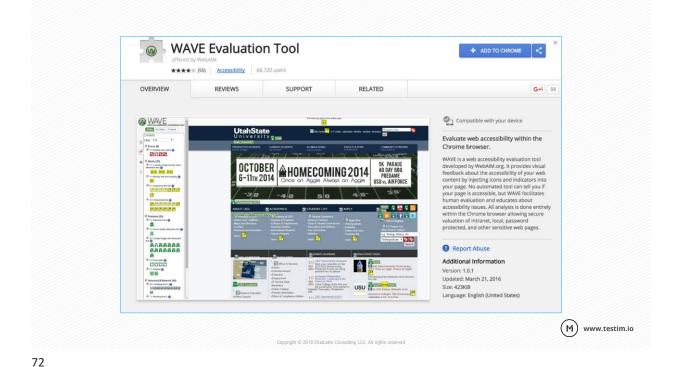


### **ACCESSIBILITY TESTING TOOLS**

- WAVE API http://wave.webaim.org/api/
- Tenon https://tenon.io/
- axe(Free) <u>http://www.deque.com/products/aXe/</u>
- WAVE tool(Free) <u>http://wave.webaim.org/</u>
- Pally(Free) http://pally.org/
- JuicyStudio(Free) http://juicystudio.com/services/readability.php
- Readability Test Tool(Free) http://www.webpagefx.com/tools/read-able/

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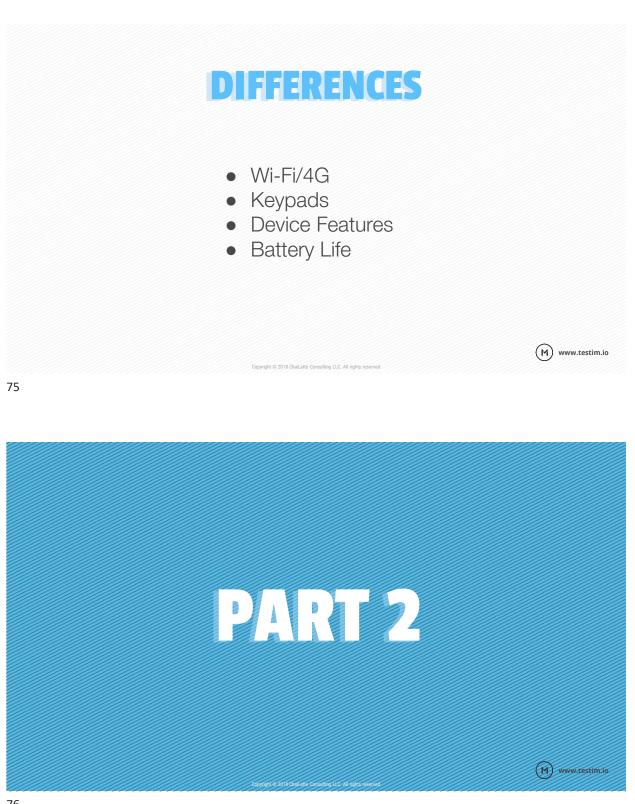


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💭 dequelabs / ax	e-core	@ Unwatch -	RESULTS Elements musi only use allowed ARIA attributes	Developer Tools
	automated Web UI testing Edit	HTML 12.0%	Beneratia must have sufficient odor contrast 00 Data tables should be manined up properly 00 Exercises and with these settings searcher than set	axe-core API Version: 2.1.7 Automated tool to find Accessibility defects
Your recently partial branches. SP bower (10 minutes ago)		E) Conquere & pa	Volation 6 of 57 Critical >> C	on your web site by using the aXe Chrome extension. Drop the aXe on your accessibility defects!
Brunch: master +	axe-core / +		Target #js-repo-pjss-container > .commit.commit-tesse.js-details- container > .commit-title > .issue-link	We believe that automated testing has an important role to play in achieving digital
<ul> <li>gylands automot 42 mmu</li> <li>bubb</li> <li>dos:</li> <li>bb</li> </ul>		latest consist ett	HTML: - q krwf-'ktyps://glthub.com/depuble/ams-ourc/pull/119" elams-'i - spos-lint' ktile-"scientat test canari-PrilK/do-	equality and that in order to do that, it must achieve mainstream adoption by professional web developers. That means that the test must be able to the must be
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### **COMMONALITIES**

- Blink Test
- Installation Testing
- Interrupt Testing
- Configuration Testing
- Consistency
- User Reviews
- Rendering Issues

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## SESSION BASED EXPLORATORY TESTING (ET)

### **SESSION BASED ET**

- 45-90 min Time Boxed sessions
- Charter/Goal
- Note test ideas/scenarios
- Paraphrase/Debrief
- Discuss Observations
- Post Defects

Slot / Environment		
Version   N/A		
Strategy   Exploratory		
What is being tested or Testing	g Mission	
Device	OS's	Browser's
iPhone	IOS 7.0.2	Safari
iPhone	iOS 6.1.4	Safari
Samsung Galaxy S4	x4.2.2	Session Notes
Nexus 7	v4.1	Session Notes
ipad Mini	iOS 6.1.2	
		— Session 1
		General [any general testing comments about how testing will be done]
Start (Date & Time)		Main Testing Flows: [Any main testing flows followed could be documented here]
		Test Idea's
lester		I         Purpose         Observation / Comments / Issue ID's         Done?
		D
Fask Breakdown		
Total Duration		
Set up Duration		
There are Print and		(Note: Additional sessions may be required due to high risk areas, retest issues, more items identified, etc.)
		Bugs
		Issues [Potential or real, Tangible or intangible]
		Issues [Potential or real, Tangible or intangible]



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## WRITE <u>3 THINGS</u> YOU LEARNT FROM THIS WORKSHOP

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### SUMMARY

- Testing Approaches
- Localization Testing
- Accessibility Testing
- Differences in Testing Approaches



 Session Based Exploratory Testing (ET)



### **EXPLORATORY TESTING** http://blog.testim.io/exploratory-testing/

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