

MAIN CHAT WINDOW

[2:01:30 PM] Weekend Testers ANZ: Well everyone, its 2:00PM, lets get this show on the road!

"WTANZ 17 - INTRODUCTIONS"

[2:01:49 PM] Trisha agarwal: Hi I am Trisha from India

[2:01:53 PM] Weekend Testers ANZ: Its great to see you all here! Thank you for joining us!

Some new testers, some very experienced weekend testers too, great mix!

[2:02:04 PM] Weekend Testers ANZ: As it is tradition, lets spend the first 5 minutes introducing ourselves.

[2:02:31 PM] Raghu: Hi I am Raghu from Kochi, South of India.

I am a novice with ET , learning it in my off & on hours.

I work for a leading IT services company in India and currently am testing applications in the Insurance Domain.

[2:02:35 PM] Divya Kottikkal: Hi everyone.. I am Divya from Sydney

[2:02:40 PM] JeanAnn Harrison: Comment too on your mobile testing experience briefly.

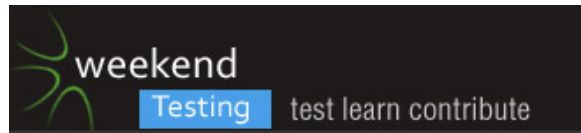
[2:02:52 PM] Weekend Testers ANZ: As WTANZ is Alessandra Moreira (but everyone calls me Ale [pronounced Ally]). I am a tester from Sydney Australia, currently living in Miami. I have 13 years testing experience and I'm currently working as a test manager for SmartBear. After many years as a factory tester, I have found a new love for testing after coming across CDT school of testing and have been trying to infect other factory testers with this same passion ever since. I am @testchick on Twitter and I'm very glad to see so many of us here today.

[2:03:15 PM] Weekend Testers ANZ: I have little mobile testing experience, have done it before, but not much.

[2:03:24 PM] Michael Corum: Hey everyone! My name is Michael Corum. I've been testing software since about 1999. I'm from Knoxville, Tennessee, USA, where I work for a large media company. I blog at <http://tnridgeback.blogspot.com/>, and I can be found on twitter at @tnridgeback. Minimal mobile tesitng experience, so I'm here to learn more!

[2:03:40 PM] Scott Cravens: Hey, I'm Scott Cravens from Knoxville, Tennessee, USA. I've worked in testing since 1995. Currently, I work in a test automation group providing TAaaS using mostly a MBT approach. This is my first time at TWANZ.

[2:03:44 PM] dean-mackenzie: Hi all, my name's Dean Mackenzie. I've been testing for a few years in Brisbane, Australia. Love to learn new things, hence one of the reasons I'm here. Twitter is @deanamackenzie and I'm known to occasionally blog at www.yesbroken.com. I've been working



on a mobile banking app for the past 5-6 months, which has been extremely instructive, interesting and frustrating.

[2:04:34 PM] Weekend Testers ANZ: Welcome everyone!

[2:04:50 PM] dean-mackenzie: Plenty of people over in the US burning the midnight oil

[2:05:12 PM] Michael Corum: Just the 10:00 PM oil lol

[2:05:12 PM] Weekend Testers ANZ: It is great to see all of you here today! Now that we have all introduced ourselves, I'd like to introduce our special guest facilitator: JeanAnn Harrison.

[2:05:18 PM] Divya Kottikkal: I have been into software testing from 2010 and it's my first time in WTANZ!! Wish to learn more on testing..

[2:05:48 PM] Weekend Testers ANZ: JeanAnn needs no introduction really :)

[2:05:53 PM] Weekend Testers ANZ: JeanAnn is an expert in testing mobile devices with over 13 years experience and has an active presence in the testing community internationally. From Twitter, to testing conferences everywhere, JeanAnn is helping shape a new generation of testers, and I'm very excited to have her here today as our facilitator. Looking forward to a great session.

Over to you JeanAnn!

[2:06:28 PM] Weekend Testers ANZ: And welcome all the first timers too! Great to have you here too!

[2:06:43 PM] Trisha agarwal: Thank you

[2:06:56 PM] *** Weekend Testers ANZ added kat.karena ***

[2:07:07 PM] Divya Kottikkal: Thank you! it's my pleasure to be here..

[2:07:15 PM] Kat Karena: Sorry - had to run

[2:07:23 PM] Weekend Testers ANZ: Hi Kat, we just finished introducing ourselves and I just introduced JeanAnn Harrison as our guest facilitator

[2:07:33 PM] Kat Karena: Welcome JeanAnne

[2:07:37 PM] dean-mackenzie: Heya Kat

[2:07:40 PM] Kat Karena: JeanAnn

[2:07:44 PM] JeanAnn Harrison: Hey everyone, I've been testing informally for over 25yrs as I was one of the testers on the very first IBM email system back in the mid 80s. I've formally become a tester in the mid 90s on an automation tool and then have been manually testing since 2000. I've been a mobile tester since 2006 on some very interesting projects, one a police officer's tool he carries around to give traffic tickets to motor vehicle violators and a heart monitor.

[2:08:05 PM] JeanAnn Harrison: Thank you so much all for joining in and for having me here.

[2:08:22 PM] JeanAnn Harrison: So let's get started...

"WTANZ 17 - MISSION AND CHARTER(S)"

[2:08:51 PM] Kat Karena: It's a small ground you can use voice

[2:09:14 PM] JeanAnn Harrison: First, I wanted to describe quickly what is meant by "combinatorial testing" as this might be a word I made up. But it sounded good. :)

[2:09:39 PM] JeanAnn Harrison: Combinatorial testing to me is to consider many test types in executing one set of steps.

[2:10:04 PM] JeanAnn Harrison: So this means performance testing like load and stress, along with functional, security, usability and more.

[2:10:39 PM] JeanAnn Harrison: It can be done and it must because mobile software projects are commonly shorter timelines than other types of software projects.

[2:11:26 PM] JeanAnn Harrison: So it helped me greatly when I was testing a very complex heart monitor system, to combine my tests often and observe what kinds of results I could learn from one user story.

[2:11:54 PM] JeanAnn Harrison: What is often far too common is Testers are usually assigned certain types of tests or functions to test. In one company, I worked where the manager assigned "GUI tests" to one person, "installation tests" to another team member, "network/wireless communication tests" to another and "performance tests" to another team member.

[2:12:07 PM] JeanAnn Harrison: Any questions so far?

[2:12:36 PM] Michael Corum: Nope.

[2:12:57 PM] dean-mackenzie: It seems that combinatorial testing, while it might be highly effective for a skilled tester, seems like it bring a new set of risks (e.g. chances of missing something)?

[2:13:16 PM] JeanAnn Harrison: Great point Dean.

[2:13:33 PM] Kat Karena: I think of combinatorial testing - in context with what's done when you use a package like hexawise

[2:13:40 PM] Trisha agarwal: if there is a dependency between testers, How do they will sort it out ?

[2:13:46 PM] JeanAnn Harrison: One of the issues with performing combination testing is because mobile there is one and only one consideration = user experience.

[2:14:45 PM] JeanAnn Harrison: So if you write your tests according to what would amount to user experience, then the risk lessens. Remember you still have to prioritize these tests based on what requirements exist. In mobile, very few requirements exist, or worse, are completely not considered.

[2:15:01 PM] Raghu: Also how do you decide which platforms and mobiles to test for a particular application?

[2:15:28 PM] JeanAnn Harrison: Kat, I am not sure what you mean by " a package". Can you elaborate?

[2:15:45 PM] Kat Karena: I mean that application www.hexawise.com

[2:15:51 PM] JeanAnn Harrison: Trisha, what dependency, can you elaborate?

[2:16:00 PM] Kat Karena: it's a tool to do pair wise, triples, quadtuples etc

[2:16:23 PM] Trisha agarwal: Not able to think of real time example .Will get back to you

[2:16:31 PM] Kat Karena: that kind of testing (not the tool) is what I think of when you say combinatorial

[2:17:31 PM] JeanAnn Harrison: With regards to deciding on models to test, that I think will be another session/discussion. You can find out great information from Jon Hagar's book "Software Test Attacks for Mobile and Embedded Devices" which is on Amazon. It's a wonderfully written book which breaks down many approaches and also how to set up a lab.

[2:18:13 PM] JeanAnn Harrison: Okay, that is why I wanted to define what I meant by combinatorial testing. :)

[2:18:28 PM] Weekend Testers ANZ: context is everything!

[2:18:32 PM] JeanAnn Harrison: I think now we can probably proceed to the exercises.

[2:18:35 PM] JeanAnn Harrison: What I want to do in this session is to create user story tests which combine various tests on how a user would use the application. Mobile testing is about trying to test as much as we can in a very short amount of time and considering the complexity of the testing challenge, combining various types of tests based on user interaction will reveal interesting observations and results. Feel free to team up with someone as I believe it will be easier than doing it on your own.

[2:18:51 PM] JeanAnn Harrison: On to the exercises, I will share with you a user story. Start to use the application based on that story and while doing so, write down or remember if you can, what kinds of test results you will be able to analyze once the story is complete. After we've completed the test, we will immediately share what kinds of tests were also completed based on how you completed that story. How many test types can you include while only testing one user story?

[2:19:22 PM] JeanAnn Harrison: all ready for the first one?

[2:19:42 PM] Raghu: (y)

[2:19:49 PM] Kat Karena: (y)

[2:19:50 PM] Michael Corum: (y)

[2:19:57 PM] Divya Kottikkal: (y)

[2:20:03 PM] dean-mackenzie: (y)

[2:20:17 PM] Scott Cravens: (y)

[2:20:25 PM] Trisha agarwal: (y)

[2:20:33 PM] JeanAnn Harrison: Great, You will need to figure out and state at least 3 types of tests based on the user story I present.

[2:20:53 PM] Trisha agarwal: sURE

[2:21:12 PM] Weekend Testers ANZ: do you want us to execute the test as well, or just to figure out and write them out?

[2:21:55 PM] JeanAnn Harrison: If you need to run the test, and I would think you will, because you don't know how you will be inspired.

[2:22:32 PM] JeanAnn Harrison: What I do need is for all to pick their fave mobile social media application as the App under test, and use a mobile device for these exercises.

"WTANZ 17 - OPEN TESTING"

[2:22:50 PM | Edited 1:23:58 PM] JeanAnn Harrison: 1st User Story: Need at least 3 types

Create a post/tweet/photo, post it to the application and review if that post appears in the application. Respond to the post with a comment of some kind.

[2:23:31 PM] JeanAnn Harrison: When you're done, have at least 3 types of tests and keep going if you can. Be prepared to explain your test types as well.

[2:24:09 PM] JeanAnn Harrison: Hahaha I gave the answer a bit.

[2:24:18 PM] JeanAnn Harrison: That's what I get for copying and pasting.

[2:30:02 PM] Raghu: Sorry, forgot to clarify this. What do you mean by Testing types?

[2:30:39 PM] JeanAnn Harrison: Testing Types would be performance, functional, security etc.

[2:30:54 PM] JeanAnn Harrison: Is that clearer?

[2:31:22 PM] Raghu: okies, just wanted to be on the same page. Thank you

[2:32:04 PM] JeanAnn Harrison: And by explanation of why you chose that type, be prepared to explain HOW it's a perf, functional, security or whatever test.

[2:32:30 PM] Trisha agarwal: sure :)

[2:32:51 PM] JeanAnn Harrison: Give me a thumbs up when you're ready

[2:33:11 PM] Dean Mackenzie: Note to self: it may not be about specific testing. Just performing basic actions and observing things can also reveal useful info.

[2:33:17 PM] JeanAnn Harrison: Each person will have to provide one test type and explanation

[2:33:31 PM] JeanAnn Harrison: EXACTLY Dean!!!!

[2:33:46 PM] *** Weekend Testers ANZ added Mike Lyles ***

[2:33:48 PM] JeanAnn Harrison: There's a reason why I talk about "exploratory" testing on mobile.

[2:34:27 PM] JeanAnn Harrison: You must observe and you must be aware - critical skills for Exploratory but especially in mobile. Why? Because very few requirements are known.

[2:34:38 PM] JeanAnn Harrison: Focus on user experience

[2:35:09 PM] Mike Lyles: Thanks for the add JAH

[2:35:26 PM] JeanAnn Harrison: Hi Mike, glad you could join. :)

[2:35:32 PM] Dean Mackenzie: Good to see you make it, Mike.

[2:35:40 PM] Mike Lyles: thx dean

[2:36:19 PM] JeanAnn Harrison: Feel free to team up with another tester here too. And Mike you can read through and join in on the 2nd exercise once where' done with this one.

[2:36:42 PM] Mike Lyles: ok

[2:39:31 PM] Raghu: (y)

[2:39:43 PM] JeanAnn Harrison: cool

[2:40:00 PM] JeanAnn Harrison: Anyone else close? Remember you only need 3 test types.

[2:41:26 PM] Michael Corum: (y)

[2:41:50 PM] Michael Corum: Scott Cravens and I worked together on this one.

[2:42:01 PM] JeanAnn Harrison: Excellent!

[2:42:07 PM] Dean Mackenzie: (y)

[2:42:26 PM | Edited 1:42:38 PM] Weekend Testers ANZ: Trisha and I are working together too

[2:42:31 PM] Dean Mackenzie: Divya and I discussed Facebook, but I have a few scattered notes before I teamed up with her

[2:42:33 PM] JeanAnn Harrison: Love the teams!

[2:42:39 PM] Divya Kottikkal: (y)

[2:43:16 PM] JeanAnn Harrison: Okay, so I think we've got everyone done. Let's start with Raghu, since he was done first. Give me a test type first.

[2:43:23 PM] Kat Karena: (y)

[2:43:34 PM] Raghu: Functional

[2:43:38 PM] JeanAnn Harrison: Thanks Kat, sorry, forgot about you. Bad me!

[2:43:47 PM] JeanAnn Harrison: Okay Raghu, what functions did you test?

[2:43:57 PM] JeanAnn Harrison: you need to name them all.

[2:45:05 PM] JeanAnn Harrison: And we all can help and provide feedback on the answers. This way we can learn from one another, how we see things.

[2:45:16 PM] Raghu: sorry i got powered off

[2:45:27 PM] JeanAnn Harrison: Ok, we can come back to you. :)

[2:45:40 PM] JeanAnn Harrison: Next up, Dean & Scott. How about you two

[2:45:48 PM] Dean Mackenzie: Michael & Scott...

[2:46:03 PM] JeanAnn Harrison: Whoops, sorry. Michael & Scott

[2:46:25 PM] Michael Corum: Ok, we did functional - uploaded a photo to Google Plus, commented on it, +1'd it, and shared it again.

[2:46:42 PM] Michael Corum: Also did performance - how long it took for the photo to upload.

[2:47:06 PM] JeanAnn Harrison: But there are other tests in what you did. That is the point of this exercise. Yes, Performance testing of how long something took to upload. Anything else with performance?

[2:47:26 PM] JeanAnn Harrison: Anyone else want to comment on performance test?

[2:47:27 PM] Michael Corum: Accessing my pictures from the application was one

[2:47:57 PM] Kat Karena: wifi or mobile carrier

[2:48:03 PM] Kat Karena: how many bars on each?

[2:48:03 PM] Mike Lyles: on performance were you doing other things while watching for the photo to load

[2:48:12 PM] Mike Lyles: or did you just watch for the load?

[2:48:29 PM] Scott Cravens: Watched for the notification and then the load.

[2:48:30 PM] Kat Karena: how much memory on the phone and is it iphone with that crappy version 7 ?

[2:48:39 PM] JeanAnn Harrison: Yes, considering the wifi - perhaps what is going on with weather will affect the wifi connection. Carriers change their signals based on the amount needed.

[2:48:45 PM] Michael Corum: LOL @kat, yes it is ;)

[2:49:02 PM] JeanAnn Harrison: Great question Kat on memory!

[2:49:08 PM] Scott Cravens: And on this end, Nexus 4.

[2:49:45 PM] JeanAnn Harrison: Mike, I love your question too, considering what other things you're doing while uploading is a huge performance test and necessary yet mobile testers do not often think of doing.

[2:49:47 PM] Michael Corum: Interesting, never thought of some of these other issues, thanks everyone!

[2:50:00 PM] Divya Kottikkal: I uploaded same pic into facebook from iOS and android and checked its loading time difference

[2:50:18 PM] JeanAnn Harrison: Nice test Divya!

[2:50:19 PM] Mike Lyles: @JeanAnn - so true - I've found especially with ios7, that multitasking definitely affects the speed

[2:50:47 PM] Mike Lyles: even though ironically it was posed as a better multitasking ios :)

[2:51:13 PM] Mike Lyles: @divya was it a major gap or close?

[2:51:15 PM] Weekend Testers ANZ: And Trisha and I posted a comment and compared it to see how long it would take to appear on the other device after we posted

[2:51:36 PM] Trisha agarwal: and from where

[2:51:41 PM] JeanAnn Harrison: And the question we want to ask Mike is to consider the speed of the CPU, how it affects the performance of the software as a whole, how the entire system (more than one application) as well as operating system performance (updating memory, clock, refresh of the screen) all will have an effect.

[2:52:07 PM] Divya Kottikkal: @Mike : a bit difference in loading time..

[2:52:42 PM] Mike Lyles: @divya - betting android faster, right?

[2:52:52 PM] Mike Lyles: and i'm an apple fan - and hate to have to admit that

[2:53:09 PM] Divya Kottikkal: no!!!This time iOS is faster..

[2:53:18 PM] Divya Kottikkal: :)D

[2:53:18 PM] Kat Karena: How much data - i.e. what size picture, what type file, how many letters etc too, makes a difference

[2:53:29 PM] JeanAnn Harrison: Mike you don't hate to admit to being an Apple fan, who are you kidding? :D

[2:53:38 PM] Michael Corum: I found it hard to differentiate between the speed of my iPhone and the Nexus 7

[2:53:38 PM] Scott Cravens: I was looking for usability issues (in addition to our performance and functional). On my Android device running over wifi, I felt notifications and updates were immediate. Michael, what was the issue with the screen shot you posted?

[2:53:41 PM] Mike Lyles: :) true that @jean ann :)

[2:53:50 PM] JeanAnn Harrison: That's right Kat!

[2:54:27 PM] Michael Corum: I found that if I clicked on the photo, and then looked at the comments the posting time was off by 15 hours

[2:54:33 PM] JeanAnn Harrison: Michael, that is great that you were testing on both. It's really amazing how you see different response times depending on the device.

[2:54:35 PM] Kat Karena: Would we want to ping facebook server ?

[2:55:12 PM] Dean Mackenzie: From a security POV, it's interesting that a lot of the social media apps behave "always logged in" as a default behaviour. While I don't mind so much, I wonder if some people would care. There doesn't seem to be an obvious (at least in my 10 second search) way to switch it off.

[2:55:36 PM] JeanAnn Harrison: Here's where performance testing on mobile device and testing the mobile app (native, hybrid, mobile web app, mobile website) can show you how critical it is to know who your users are and what kind of devices to consider.

[2:55:54 PM] Mike Lyles: did anyone try uploading, updating, or posting with wifi on and then immediately turning off wifi and forcing the device to go to the carrier? any issue with going between the two?

[2:56:04 PM] Kat Karena: yeah

[2:56:08 PM] Scott Cravens: Great idea, Mike.

[2:56:15 PM] Kat Karena: But it was similar i have full bars on each

[2:56:21 PM] JeanAnn Harrison: Kat, it depends on whether you are using the mobile website of FB or whether you are using the hybrid app of FB.

[2:56:26 PM] Kat Karena: my wifi is in the same room

[2:56:39 PM] Mike Lyles: @kat - nice !

[2:56:39 PM] Kat Karena: the optus receiver is close by

[2:56:55 PM] Kat Karena: i have got a bug though

[2:57:32 PM] JeanAnn Harrison: Ah ha, you have a bug! What kind of bug and even better what kind of test did you do to find the bug?

[2:58:03 PM] Kat Karena: The bug is, if I have my facebook app closed, and post on my desktop Facebook site. The post doesn't appear on my app.

[2:58:22 PM] Kat Karena: But if I post on my facebook app, it posts on the desktop immediately

[2:58:25 PM] Mike Lyles: @kat - ios?

[2:58:35 PM] Dean Mackenzie: That seems a fair oversight for Facebook

[2:58:48 PM] Kat Karena: OS: versio6.1.3(10B329)

[2:59:02 PM] Raghu: did you log off?

[2:59:11 PM] JeanAnn Harrison: So what kinds of tests would you consider doing to explore further when it comes to this bug?

[2:59:13 PM] Kat Karena: If I post with facebook app open - and post on desktop than the post appears immediately

[2:59:17 PM] Kat Karena: No, I didn't log off

[2:59:27 PM] Kat Karena: I'm logged in constantly on both

[2:59:30 PM] JeanAnn Harrison: Anyone can answer my question too.

[2:59:32 PM] Mike Lyles: FB and ios6 are not good friends

[2:59:35 PM] Kat Karena: I'll test that later to see iff it resets

[2:59:41 PM] Mike Lyles: better with 7 but still not good

[2:59:43 PM] Kat Karena: I'm not loading version 7

[3:00:00 PM] Mike Lyles: i'm getting 7.1 beta

[3:00:07 PM] Mike Lyles: will let eveyrone know how it goes :)

[3:00:08 PM] Raghu: I will try the same with a log off @Jean

[3:00:15 PM] JeanAnn Harrison: Okay we're not talking about the bug itself as we're having fun with finding bugs, but let's talk about what kinds of tests would you do to further test this bug

[3:00:26 PM] JeanAnn Harrison: Let's keep to the mission

[3:00:27 PM] Kat Karena: I'll log off and see if it resets

[3:00:36 PM] Michael Corum: I would check other mobile platforms, especially version of android, to see if the issue persists across those.

[3:00:54 PM] Raghu: I will repeat the same test on a different platform

[3:00:56 PM] Kat Karena: I also posted on non visible posts on desktop to see if it makes it appear on facebook app

[3:01:17 PM] JeanAnn Harrison: Okay, so what you're describing to me are functional tests.

[3:01:18 PM] Kat Karena: Would changing browser make a difference, shouldn't think so

[3:01:24 PM] Kat Karena: yah

[3:01:40 PM] JeanAnn Harrison: Besides functional tests, what other tests could you do?

[3:01:49 PM] Mike Lyles: @kat - what if someone posts on your FB - do you get the update on mobile same as on computer?

[3:01:53 PM] JeanAnn Harrison: I mean what other test types would you do?

[3:02:25 PM] JeanAnn Harrison: BTW, there are differences with mobile app of FB as opposed to the desktop version and I have seen this behavior before.

[3:02:31 PM] Kat Karena: in general heaps, - could I look at the structure of it,

[3:02:39 PM] Mike Lyles: yes @jAH - true

[3:02:50 PM] Mike Lyles: i wont list them all but i test the living daylights out of FB on phone

[3:02:53 PM] Kat Karena: does the app writ to my phone at all, I shouldnt think so rather than the 'web'

[3:03:14 PM] Kat Karena: What does the ios 6 depend on

[3:03:16 PM] JeanAnn Harrison: Device types, i.e. tablet, notebook/laptop and phone versions of the same app can act very differently.

[3:03:17 PM] Michael Corum: One thing to look at would be data integrity - if it's not showing up on mobile after posting, how does that affect the data if someone else posts before it shows

[3:03:24 PM] Kat Karena: how does it actually update

[3:03:37 PM] Kat Karena: Itested posted replies

[3:03:50 PM] Kat Karena: It only updates posts from external sites if you hit the 'comment' field

[3:03:54 PM] JeanAnn Harrison: There ya go Michael, data integrity testing is a good one!

[3:04:12 PM] Mike Lyles: @Michael - good one

[3:04:28 PM] JeanAnn Harrison: So Kat, here you're talking about behavioral testing.

[3:04:48 PM] Scott Cravens: @Michael, I'd be interested in seeing that tested from separate time zones to see if that could impact it.

[3:05:02 PM] Kat Karena: well if I was moving around, I might have thought the bug was because of drop off

[3:05:19 PM] Michael Corum: @scott, I like that idea.

[3:05:26 PM] Kat Karena: but I'm sitting still chewing gum

[3:05:39 PM] JeanAnn Harrison: So Scott, what kind of test would you call "testing different time zones"?

[3:06:15 PM] Scott Cravens: @JeanAnn: localization?

[3:06:20 PM] JeanAnn Harrison: YES

[3:06:43 PM | Edited 3:07:27 PM] JeanAnn Harrison: Now doesn't that draw up more thoughts about the different types of localization tests?

[3:07:26 PM] Divya Kottikkal: I've tagged my friend in uploaded pic. By the same time, he got a notification and after getting the notification, I deleted the post. Here I was checking whether the notification which my friend got is removed. It's removed but there was a time gap

[3:07:51 PM] Scott Cravens: Google+ has built-in translation (at least on desktop). If on mobile, that would be fun to throw into the mix.

[3:08:11 PM] Mike Lyles: @divya - creative - love it

[3:08:12 PM] JeanAnn Harrison: I love the test Divya. Notification testing taps into your operating system talking to your application.

[3:08:35 PM] Raghu: I saw an interesting feature regarding localization in FB.

They say posted "5 mins before" instead of what time.

The comparison is against a user action instead of a Global time zone.

[3:08:37 PM] Scott Cravens: @Divya: Good idea.

[3:09:12 PM | Edited 3:09:34 PM] JeanAnn Harrison: One of the biggest problems that testers do not consider is testing your drivers which sit at the operating system level. Yet with mobile more so than desktop, you need to remember hardware and operating system closely work with the applications and their behavior.

[3:09:16 PM] Divya Kottikkal: Thank you..

[3:09:48 PM] Michael Corum: Yeah, never thought of that. Thanks!

[3:10:03 PM] JeanAnn Harrison: OOOH, that's interesting test Raghu!

[3:10:44 PM] Dean Mackenzie: @JeanAnn: when talking about drivers, are you talking device permissions or something else? If that's something else, how do you discover what your app is interacting with on the device OS-wise?

[3:11:22 PM] JeanAnn Harrison: Dean, you need to work closely with your developers on understanding the architecture.

[3:11:49 PM] Mike Lyles: how about 1 person posts on FB, the other person sees it, and has that posting on their screen and is writing a comment on it, while the original person that posted removed the post

[3:11:55 PM] Dean Mackenzie: Sometimes, easier said than done! But yes, fair point.

[3:11:57 PM] JeanAnn Harrison: Mobile testers MUST learn the system not just their app. This means they have to understand what the inter-dependencies are working in the entire system.

[3:12:25 PM] Mike Lyles: we could test what occurs when the 2nd person sends the comment to a post that is now deleted

[3:12:50 PM] Mike Lyles: @jeanann - true on understanding the systems

[3:13:35 PM] Kat Karena: Okay logging out and logging in made the posts appear - that's pretty sucky

[3:13:54 PM] JeanAnn Harrison: So Michael C, remember when you said you only did functional testing? But yet the analysis we've extracted is a far bigger list of test types. This is why we need in testing mobile apps (remember: native, hybrid, web apps and websites) we must combine our tests.

[3:14:25 PM] Michael Corum: Excellent point, JeanAnn!

[3:14:48 PM] JeanAnn Harrison: And so Kat, the testing you just did basically is usefulness

[3:15:04 PM] Mike Lyles: @kat - another great bug with FB on ios is that even though you turn OFF chat, if you are using the app, your friends can see your last active time if they have a current/old chat with you and look in the chat screen - it will show "last active X mins ago"

[3:15:23 PM] Mike Lyles: @jean ann - true on usefulness

[3:15:26 PM] JeanAnn Harrison: Usefulness testing is very important testing especially when talking about mobile testing

[3:16:00 PM] JeanAnn Harrison: Okay, we can go on to a new exercise and have others share their test types. I think we've got a lot of ideas from this first one, yes?

[3:16:13 PM] Kat Karena: Well, my assumption is, is that the facebook app is crossplatform, post anything and it will appear on any device, any browser about the same time

[3:16:14 PM] JeanAnn Harrison: Or we can continue with this one exercise

[3:16:20 PM] Michael Corum: (y)

[3:16:28 PM] Dean Mackenzie: Let's give the second one a go

[3:16:40 PM] Michael Corum: My (y) was for second exercise

[3:16:44 PM] Kat Karena: Particularly given when the app is open it works, but I expect it to work if the app is closed, specially when your logged in

[3:16:49 PM] Kat Karena: second exercise

[3:16:53 PM] Weekend Testers ANZ: so much info flowing!

[3:17:02 PM] Weekend Testers ANZ: great stuff everyone!

[3:17:23 PM] Michael Corum: I

[3:17:30 PM] Michael Corum: I've already learned a LOT!

[3:17:49 PM] JeanAnn Harrison: LOL Ale, this is what happens when talking mobile. It's a huge challenge and doing this kind of testing helps to make things more effcent but you need to learn the skill on HOW to come up with these user stories which will give you lots of ideas on test coverage.

[3:18:37 PM] Michael Corum: Def makes you think in three dimensions.

[3:18:47 PM] Weekend Testers ANZ: That is why I like pair testing, there's always stuff we can't think off that others can. And WTANZ sessions are pair testing on steroids :)

[3:18:57 PM] JeanAnn Harrison: Love that description Mchael C.

[3:19:23 PM] JeanAnn Harrison: YES Ale, another reason why it's easier to do these exercises in teams. :)

[3:19:25 PM] JeanAnn Harrison: 2nd User Story: Need at least 4 different test types

If you have your device charger, plug the charger into the device to start charging. Do a search for a particular company by narrowing your search to only search companies and then enter the company name. When you start to enter the name in the field does the application start to provide results offering optional results? Finish typing the name and select enter.

CONSIDER: What interdependencies your mobile app has with other entities?

[3:19:59 PM] JeanAnn Harrison: Remember you CANNOT use "performance testing" or "functional testing" now. Let's get some other test types a chance.

[3:20:01 PM] JeanAnn Harrison: Go!

[3:20:33 PM] Trisha agarwal: (y)

[3:20:34 PM] Kat Karena: ok

[3:21:54 PM] Dean Mackenzie: Are we using apps or browser for this?

[3:22:00 PM] JeanAnn Harrison: And when you're done, give a thumbs up

[3:22:07 PM] JeanAnn Harrison: you choose Dean

[3:22:16 PM] Dean Mackenzie: Okey doke, thanks

[3:27:34 PM] Scott Cravens: Maybe I'm approaching this wrong or don't understand. How does one "only search companies"?

[3:27:41 PM] JeanAnn Harrison: We should finish up in 3 minutes. We need time to debrief.

[3:28:04 PM] JeanAnn Harrison: Scott, depends on what application you're using to do the search?

[3:28:26 PM] Divya Kottikkal: (y)

[3:28:28 PM] JeanAnn Harrison: I'm looking at you using a company like Hewlett Packard, IBM in the search field.

[3:28:45 PM] Scott Cravens: Google Voice Search. Ah, ok.

[3:29:03 PM] Mike Lyles: Apple iphone :)

[3:29:16 PM] JeanAnn Harrison: Shhhhhhhh Mike!

[3:29:24 PM] Mike Lyles: lol

[3:29:24 PM] JeanAnn Harrison: :D

[3:29:38 PM] Divya Kottikkal: I connected mob charger and started searching. When I was in the middle of typing ,I pulled off the mob charger which made the search suggestions list got disappeared. I tried this same test 3 times but I faced this issue just once.

[3:29:39 PM] JeanAnn Harrison: 1 more minute

[3:31:05 PM | Edited 3:31:19 PM] JeanAnn Harrison: Ah, so Divya, if you only did see it once but you did see it. Do you think you should probably expand your data, meaning test this more than 3 times to try to replicate? Note I'm not saying now but what is your thought there? Consider your users.

[3:31:59 PM] Mike Lyles: @jeanann - waht significance did the charger have?

[3:32:07 PM] Mike Lyles: or was that part of teh test - to see if it DID make a diff

[3:32:56 PM] Dean Mackenzie: Wouldn't that depend on how risky the bug is? That might be a bug, but is it a serious one? Or could there be a more serious underlying issue? And how often are users likely to be performing the activity in those conditions etc

[3:33:14 PM] Weekend Testers ANZ: Trisha and I tried different states with the power cable

[3:33:16 PM] JeanAnn Harrison: Does the charger or the act of charging have an effect on the software behavior.

[3:33:43 PM] Michael Corum: It may, but I bet it's an implicit requirement that it doesn't.

[3:34:26 PM] JeanAnn Harrison: Dean very good point in regarding risk but do you, the tester think it would be a good idea to add some more data to your test? Meaning would you perform this test a bit more? Then consider the risk, the likelihood, based on user experience?

[3:34:57 PM] JeanAnn Harrison: Ale & Trisha, what do you mean by "different states of the power cable"?

[3:35:36 PM] Divya Kottikkal: @Jean: I just wanted to confirm whether it is a bug by testing the same.

[3:35:48 PM] Dean Mackenzie: Good call, JeanAnn - depends on a whole bunch of factors e.g. how much time can you afford? Ideally, you'd like to experiment further before making an assessment on the risk

[3:36:05 PM] JeanAnn Harrison: Ooooooh Michael, implicit requirement? Remember in mobile software, so little is known already, requirements are not flushed out until the testing stage and this is where you work with the Dev team to better understand what they were designing. What is their intention?

[3:36:06 PM] Raghu: @Jah, On a lighter note, you are testing my fitness as I had to climb 20 steps for a charger and be back in a minute.

[3:36:15 PM] Dean Mackenzie: Not always possible to spend any more than 4-5 minutes on a particular bug though

[3:36:21 PM] Weekend Testers ANZ: Trisha and I started typing the company name on the search field with the power cable off, then as the name was getting pre filled we inserted the cable. Did the reverse also, we thought it would be cool if the search field behaved differently in those scenarios. But it didn't

[3:36:50 PM] JeanAnn Harrison: LOVE IT RAGHU!

[3:37:02 PM] JeanAnn Harrison: :D

[3:37:46 PM] Raghu: @WT, yeah same results with me..

[3:38:08 PM] JeanAnn Harrison: Divya - what I meant is that you might want to consider an intermittent bug could occur so replicating can be difficult. This is where thinking about testing it for perhaps another 10 min, or 30 min and anything more, consider risk.

[3:38:39 PM] Divya Kottikkal: ok

[3:39:10 PM] Raghu: I observe there are no suggestions on voice search.

Wont a user use voice and tap..

[3:39:41 PM] JeanAnn Harrison: So Ale & Trish, what other kinds of tests did you notice while performing these actions?

[3:40:23 PM] Trisha agarwal: With muntiple test data also

[3:40:53 PM] JeanAnn Harrison: So you're creating different test data for what reason? What is that test ttype?

[3:41:33 PM] Kat Karena: Okay, so I tested to see if interupts impacted searching for a company "engagis" -..called from landline, sent a text from desktop, left a voicemail, downloaded 24 updates,

[3:41:35 PM] Weekend Testers ANZ: We did do some usability testing too, while typing testing the different states

[3:41:36 PM] JeanAnn Harrison: The reason why I ask is because this helps you in the future to consider your test types when coming up with user stories which can cover so many tests in a short time.

[3:42:06 PM] Kat Karena: > result didn't really seem to make a difference, i have it on wifi though

[3:42:22 PM] JeanAnn Harrison: Kat, nice testing! Interrupts are very important in mobile.

[3:42:23 PM] Kat Karena: I might turn on my ipad, kindlefire, and 2 other computers, plus laptop

[3:42:41 PM] Kat Karena: hmm I just notice I have lot of computers for one person

[3:42:47 PM] Kat Karena: I get attached

[3:42:57 PM] Trisha agarwal: :)

[3:43:04 PM] JeanAnn Harrison: Hahaha, Kat I might have you beat on # of puters. :)

[3:43:18 PM] Kat Karena: I don't count my old sanyo

[3:43:33 PM] JeanAnn Harrison: 4 laptops, 1 tablet, 2 phones. :)

[3:43:42 PM] Kat Karena: or an ancient lcd with a green screen

[3:43:50 PM] Kat Karena: how many is that?

[3:43:50 PM] JeanAnn Harrison: LOL

[3:44:01 PM] JeanAnn Harrison: Maybe you DO have me beat.

[3:44:01 PM] Kat Karena: thats 7

[3:44:04 PM] Kat Karena: ha ha

[3:44:34 PM] Raghu: @JAH, How do we decide which are the most important tests?

Is it based on feedback of what we test.

How can we prevent being biased by our first tests and look for breadth?

[3:44:34 PM] JeanAnn Harrison: So I would consider what you were doing Kat as network testing with combination of interrupts on the local device.

[3:44:40 PM] Kat Karena: the old one is just a tiny screen - it's all 'digitally' looking with old text and big fat cursor flashing

[3:45:28 PM] JeanAnn Harrison: Raghu, that's a lot of questions and unfortunately I can't answer all of it quickly. But remember the scope of your testing project and the #1 consideration for mobile: USER EXPERIENCE.

[3:45:56 PM] Raghu: Any oracles you use?

[3:46:05 PM] JeanAnn Harrison: me personally?

[3:46:15 PM] Raghu: rite

[3:46:21 PM] Kat Karena: I'd think I'd run all the same tests again on the 3G

[3:46:32 PM] JeanAnn Harrison: ok

[3:46:49 PM] Kat Karena: Would it make a difference if the battery is running low?

[3:47:08 PM] Kat Karena: there's a 20% mark, 10% and then the red zone

[3:47:26 PM] JeanAnn Harrison: Unfortunately it does depend on the application under test, the user market, the business impact of the project would have on the company itself.

[3:48:39 PM] JeanAnn Harrison: Again, this is a very large set of questions and I really can't answer here. But I strongly advise anyone, if you think there is one way to do something, think again. Every application, every company, every tester, every moment is different,

[3:48:56 PM] JeanAnn Harrison: Kat, the battery tests are something I do often.

[3:48:57 PM] Kat Karena: Just noticed this good app I have "Buycott" recommend it to everyone

[3:49:23 PM] Kat Karena: wouldn't just burn battery faster?

[3:50:20 PM] JeanAnn Harrison: With battery tests, not only am I concerned about the battery burn (apps can burn the battery charge and they can burn OUT the battery itself) but also the heat generated from the usage of an app. can have.

[3:50:46 PM] Kat Karena: hmm

[3:51:06 PM] JeanAnn Harrison: You need to test the app to get benchmarks (test type) to figure out how the app burns the battery charge

[3:51:17 PM] Kat Karena: There's a limit on how many apps you can run at the same time though isn't there

[3:51:36 PM] Kat Karena: Music app, a game at the same time, switch between surfing, and getting calls

[3:51:40 PM] JeanAnn Harrison: Now there is also the other side of things... the rate the battery charges and at what level the charge is at to look at benchmarks.

[3:52:12 PM] JeanAnn Harrison: Mike, the Apple lover, can you answer Kat's question

[3:52:27 PM] Kat Karena: I don't like Apple anymore it's insecure]

[3:52:47 PM] Mike Lyles: thinking....

[3:53:01 PM] Mike Lyles: i think before ios7 there was a limit

[3:53:03 PM] Mike Lyles: 100 maybe?

[3:53:14 PM] Kat Karena: at the same time?

[3:53:18 PM] Mike Lyles: but now it seems they are optimized to run more

[3:53:23 PM] Mike Lyles: but thats not the case really

[3:53:37 PM] Kat Karena: why, would it be designed that way, you can't watch that many screens

[3:53:46 PM] Raghu: how can we count the no: of apps in memory?

[3:54:21 PM] Mike Lyles: i've tried :)

[3:54:24 PM] Mike Lyles: checking now for the max

[3:54:26 PM] JeanAnn Harrison: So let's pick a much smaller number, say 20. How much stress (test type) does running 20 apps will have on the speed of the CPU? If you're charging the device at the same time, can you imaging the heat generated within the tiny space?

[3:55:12 PM] JeanAnn Harrison: Oh yeah, if you wonder how hot the battery can get before damazing the cell modem...it's 70 degrees Celsius.

[3:55:23 PM] Weekend Testers ANZ: really?

[3:55:26 PM] Weekend Testers ANZ: I didn't know that

[3:55:35 PM] JeanAnn Harrison: So now we're talking some hardware integration testing (test type)

[3:55:45 PM] Kat Karena: Nope, I stated Tower Blocks and my music cut out

[3:55:47 PM] Dean Mackenzie: It's an interesting test, but you'd have to be mindful the difference of testing the device (and it handling numerous apps) and testing your app and how it handles being one of said multiple apps. There's a difference, I'd imagine.

[3:56:11 PM] JeanAnn Harrison: Yes, 70 degrees C will damage the cell modem and probably the CPU. However the cell modem is usally placed right near the battery.

[3:56:15 PM] JeanAnn Harrison: physically

"WTANZ 17 - CLOSING COMMENTS"

[3:57:24 PM] Weekend Testers ANZ: Wow! I could do this the whole day!

[3:57:31 PM] Weekend Testers ANZ: Or whole night here in the USA :)

[3:57:40 PM] Kat Karena: haha Alie

[3:57:43 PM] Michael Corum: LOL, indeed

[3:57:45 PM] Scott Cravens: Yes, NOW we're burning the midnight oil.

[3:57:59 PM] Michael Corum: (y)

[3:58:04 PM] JeanAnn Harrison: We're coming to a close and I wanted to first share with you, that I do have articles and webinars for mobile testing on my LinkedIn profile. Please feel free to access them.

[3:58:11 PM] Kat Karena: Hey! I just finished my first time Lead Instructing BBST Foundations course btw -give me kudos

[3:58:18 PM] Kat Karena: Okay

[3:58:39 PM] Dean Mackenzie: Ah, that's right Kat - you were just about to start doing that at the last WTANZ. Nice work.

[3:58:39 PM] JeanAnn Harrison: Also, check out TeaTime for Testers magazine tomorrow as I have my first article coming out in a series of 3, probably more.

[3:58:54 PM] Kat Karena: I like that mag

[3:58:56 PM] Weekend Testers ANZ: I really enjoy talking testing with such a great bunch of testers! Thanks guys for making this session fantastic with your comments and insights.

[3:59:14 PM] JeanAnn Harrison: Finally I am also writing a column in a new magazine called "Software Magazine" so all of these published articles will be on my LinkedIn profile.

[3:59:20 PM] Mike Lyles: i'm with you jean ann!

[3:59:26 PM] Weekend Testers ANZ: Thank you JeanAnn for sharing your knowledge with us

[3:59:26 PM] Mike Lyles: we are going to be published together !

[3:59:30 PM] Kat Karena: (y)

[3:59:32 PM] Kat Karena: good one

[3:59:50 PM] Mike Lyles: sorry i was late - but was so great to watch and join in

[3:59:54 PM] Raghu: Really a rocking session..I learnt a lot..

[3:59:57 PM] Dean Mackenzie: Thanks for leading this JeanAnn, it's been great picking up more insight into the crazily detailed and varied world of mobile testing

"WTANZ 17 - END"