

Weekend Testing Session #126 - Creating Product Coverage Outline - Google Keep

Welcome everyone to Weekend Testing Session #126.

I am Ajay Balamurugadas, your facilitator for today. We will start in a few minutes. Please introduce yourselves. Name, City, Years of experience, what kind of testing//domain are you good at, also any online links (twitter, blog). Write offline and paste in one shot :)

Hi, This is Saurabh from Hyderabad working in ZenQ Pvt. Ltd Hyderabad, I am having 3 years of experience and currently working in Lease Accounting project domain with wide scope of Automation coverage.

Hi friends, I am Jai Barot from mumbai had have 10+ years of experience in manual testing and worked on Textile domain

Vijay, 15:58

Hello Everyone, This is Vijay Nadeshnan from Mumbai. Having 8 years of experience in testing. Testing in E-commerce domain.

Anees, 16:00

Hi All ,Anees here from Mumbai
Having 5+ years of experience in testing.
Currently i am in e-commerce domain

Nikhil, 16:02

Hi Everyone, this is Nikhil Soni from Pune
Having 5 years of experience in mobile app testing

Weekend, 16:03

Welcome Saurabh, Jai, Vijay, Anees, Nikhil, Srinivas, Rakesh, Saranya, Deepthi.

For those who are participating for the first time in a weekend testing session, let me highlight in brief about the session.

In the first one hour, we will work on a mission. You are free to work solo or in groups. The next one hour, we will debrief, discuss about our approach, learning.

Feel free to ask any questions, here or in private.

Weekend, 16:04

Time for the mission. How many of you have heard of Product Coverage Outline (PCO) ?

Srinivas, 16:04

Hi I am Srinivas Kadiyala, working at Bangalore, 8+ yrs experience in testing. I am currently working for Moolya Software Testing Pvt Ltd. I blog at testingeduindia.blogspot.com. Looking forward to re-learn the testing topics. Twitter: [srinivasskc](https://twitter.com/srinivasskc)

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Deepthi, 16:05

Is it a brief of what we test and how and why ?

Weekend, 16:05

It is a question. Do you know what is a PCO

Deepthi, 16:05

yes,,,

Srinivas, 16:05

I have heard about PCO - Product Coverage Outline.

Saurabh, 16:05

product coverage outline

Vijay, 16:06

I just wen through this blog.

<http://prairietester.blogspot.com/2013/09/monday-product-coverage-outlines.html>

Weekend, 16:06

you understand what is Product Coverage Outline?

Rakesh, 16:06

No

Anees, 16:06

No

Deepthi, 16:06

yes I understand PCO

Srinivas, 16:06

I tried to understand, it took longer time

Jai, 16:06

Hi Ajay it would be more help full if you tell some thing about PCO

Saurabh, 16:07

I m beginner. Looking forward to learn and implement.

Weekend, 16:07

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ok, here it is in simple terms: A product coverage outline lists out the components of a product that can be tested.

You can think of it as a 'list of features'

Jai, 16:07

ok

Nikhil, 16:07

ok

Weekend, 16:08

You can go in depth too and also add how you would test it once you have finalized what to test.

Any questions till now?

Saranya Easwaran, 16:08

is it only the features or even test ideas can be included?

Saurabh, 16:08

No questions.

Weekend, 16:09

features first. once it is done, you can then write test ideas.

Jai, 16:09

ok

Nikhil, 16:09

what all things do we include in PCO?

Sri, 16:09

Hi I am Sripriya, working at Broadridge, Bangalore, 2.6 years of experience in testing.

Weekend, 16:09

you can use your own style to note the 'testable elements' or 'feature list' - it could be a list, a mind map, a drawing, block diagrams

A good PCO gives you confidence that there is very little outside the PCO, that is to be tested.

16:10

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Hi Everyone, I'm Sai Dinesh from Hyderabad and i have 2years of experience in testing and currently working in Qapitol QA

Chidambaram, 16:10

hi everyone. this is Chidu. I have about 10 years of IT experience. Twitter- @chidagan

Weekend, 16:10

ok, enough of theory. Let us get started with actual PCO creation.

Today's mission is to create a PCO for Google Keep. You have 50 mins left. By 5 PM IST, email weekendtesting@gmail.com with your PCO.

<https://keep.google.com/>

You can work in pairs, or solo. You can use any tools available. You can use any approach or techniques. If you have any questions, please ask here or in private, whichever you are comfortable with.

Saurabh, 16:13

anyone wants to be in group? feel free to reach. :)

Chidambaram, 16:13

Should the PCO be prepared platform wise (mobile, web, wearable?)

Weekend, 16:14

Should the PCO be prepared platform wise (mobile, web, wearable?)

Chidambaram G, Today at 16:13

Good question. I would do one common and highlight the differences separately

ok, thank you. Should the PCO list out testable items for a certain aspect of testing? Functional, UX, Non-Functional (like security, load, performance)

Weekend, 16:17

There is no restriction

Shaista joined this conversation

Weekend, 16:19

Is everyone clear with the mission? 40 mins remain.

Deepthi, 16:20

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just summarize what I understood - the features to be tested in Google keep. Should we also elaborate on the approach ?

Weekend, 16:20

first highlight the features and every testable element of Google Keep

Deepthi, 16:21

ok..

Weekend, 16:28

anyone working in teams?

badhurudeen, 16:28

Badhurudeen and @Chidambaram

Weekend, 16:28

nice

Saurabh, 16:28

Saurabh and Dinesh

fantastic

I have found many friends through pairing at weekendtesting sessions

Balaji Santhanagopalan joined this conversation

Weekend, 16:33

less than 30 mins left (time)

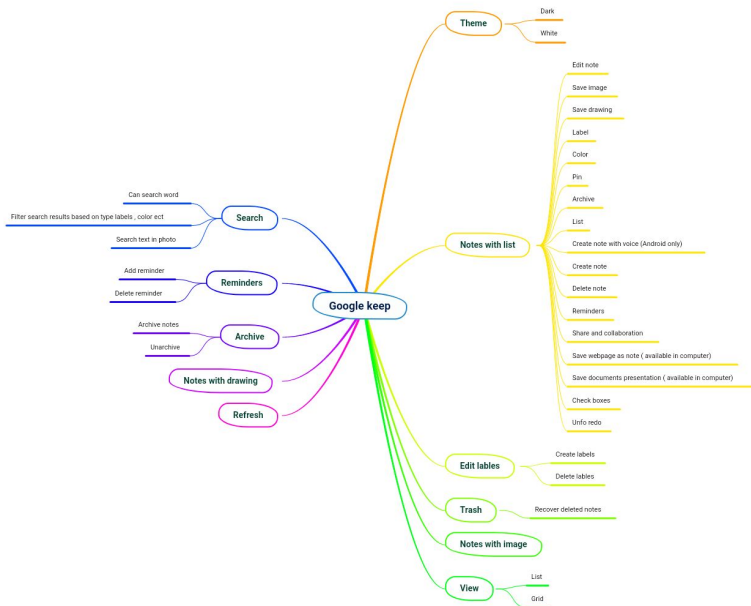
Sometimes, you might discover bugs too during creation of PCO. Note them separately.

Weekend, 16:45

How many of you think you have almost completed the PCO?

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Time to wrap refine your PCOs and get ready for submission

Please email and also share it here, so that others can also see it.

(time)

's up

Saranya Easwaran, 17:0

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Need access

Anyone else to submit?

@badhurudeen @Chidambaram @Balaji @Rakesh @Sai

Yes we are sending it

Weekend, 17:07

you can send it here

badhurudeen, 17:07

WT-Google Keep

<https://docs.google.com>

Weekend, 17:07

@Jai Please share here

Jai, 17:07

ok

PCO- Google keep.txt

Chidambaram, 17:08

nice work @Srinivas

Weekend, 17:10

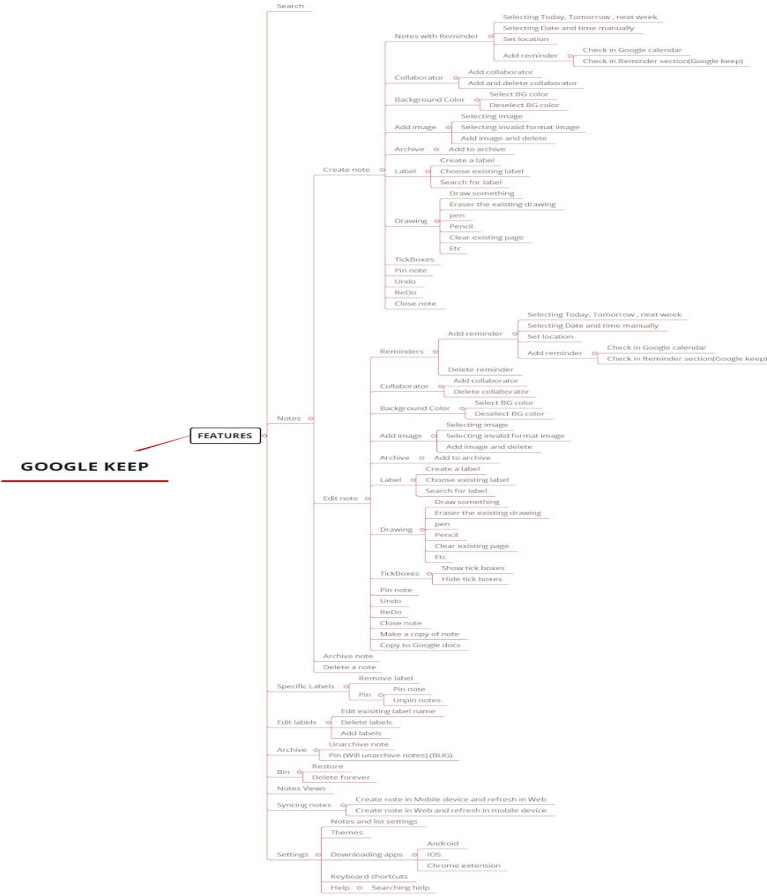
Okay great. let us meet for debrief then. Hope everyone got a chance to go through each other's work

How was today's session? Is this something you do everytime you test?

Saurabh:

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Deepthi, 17:12

yeah kind of but with more time

badhurudeen, 17:12

Good experience. I learnt that how to identify the core features and sub features with coverage within short span of time

Vijay, 17:12

@Ajay....No I tried first time today.

Jai, 17:13

@Ajay - It First time we did

Anees, 17:13

No i tried first time

Saranya Easwaran, 17:13

I have done a few times but not very extensively..

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Saurabh, 17:13

It was interesting. :D

Vijay, 17:14

It helps to investigating the product

Nikhil, 17:14

Its the first time I tried this

Its the first time I tried this

Srinivas, 17:14

I have always problems while trying to understand the product, "How to know" on what it is built.

Weekend, 17:15

Where did most of the time go?

Saurabh, 17:15

Brainstorming with @Sai (sweatgrinning)

Jai, 17:15

mostly to understand the Requirement

:D

:D

(like)

I loved it

Srinivas, 17:16

mostly, to understand "what all features it has and figuring out behind the application"

Vijay, 17:16

@Ajay.....Investigation takes more time

Anees, 17:16

Exploring the product

Nikhil, 17:16

Exploring the features in the product

Chidambaram, 17:16

Today's session was interesting. I wasn't fully preaped before the session started. The mission was clear and even an example of a final outcome was provided. Badhurudeen (Badu) invited

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me to pair as a team. So, we got on a call to discuss how we are going to go about this. Like it always happens, when 2 new people work together for the first time both are reluctant assume leadership (as it might come across as rude), so we exchanged ideas about how to present the work and then divided the 2 platforms we had with us and got to work. Badhurudeen helped merge our work and share with the group.

Deepthi, 17:17

for me , documentation tool/place and structuring took a while

Balaji, 17:17

This is the first time I tried and it was late for me to join in the session

Weekend, 17:18

ok, how confident are you of your PCO's coverage?

Deepthi, 17:19

hmm could not review and complete so will say 60%

Saranya Easwaran, 17:19

Few questions,

1. Since we have a product in front of us we can explore the features and create a PCO, but not all the features are clearly listed in Requirements/User Stories. So this PCO can be an evolving document?
2. How to measure test coverage as number from this document?

I have almost covered 60 to 70% in an hour.

Chidambaram, 17:20

@badhurudeen and I - 50%

Weekend, 17:20

Few questions,

1. Since we have a product in front of us we can explore the features and create a PCO, but not all the features are clearly listed in Requirements/User Stories. So this PCO can be an evolving document?
2. How to measure test coverage as number from this document?

Saranya Easwaran, Today at 17:19

yes, it can keep evolving. Good to cover as much ground as early as possible - for better estimation

I never asked for a number :)

how about others?

Anees, 17:21

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50-60 %

Jai, 17:21

As it was first time to create PCO - so it would 60- 50 for me

Weekend, 17:21

Suppose we repeat this mission, what would you change in your approach?

Deepthi, 17:24

to have pre decided on a tool to document :)

also dedicate a couple of more mins on looking at various features across

Srinivas, 17:24

I covered PCO based on the documentations available, without going through the application. as sometimes we may face an application without UI built yet. So, I would consider 60%

Chidambaram, 17:26

I covered PCO based on the documentations available, without going through the application. as sometimes we may face an application without UI built yet. So, I would consider 60%

Srinivas Kadiyala, Today at 17:24

When the app is available, don't you think that is the best source of truth? Some changes made on the fly may never have made it back to the requirements documentation.

Saranya Easwaran, 17:26

Currently I only covered the product elements, next time I would want to try this with with HSTM model.

Balaji, 17:27

I just noted down what are all the options and menus available.

Chidambaram, 17:27

Currently I only covered the product elements, next time I would want to try this with with HSTM model.

Saranya Easwaran, Today at 17:26

Why?

Srinivas, 17:27

When the app is available, don't you think that is the best source of truth? Some changes made on the fly may never have made it back to the requirements documentation.

Chidambaram G, Today at 17:26

yes, i could have used.

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Anees, 17:27

I will try to explore more and will try to list out feature in details and testable element's

Vijay, 17:28

I was going through the document & explored bit in the app. I will change my approach to more on exploring an app instead looking at the document.

Saurabh, 17:28

Working in team, dividing the task between the people and dividing the time in two slots (Exploring the application for better understanding and categorizing the features).

Srinivas, 17:28

Initially, I covered based on the application features and functionality and then structured to SFDIPOT format. To verify if any areas i am yet to cover

SFDIPOT ?

Jai, 17:29

I was going through the document & explored bit in the app. I will change my approach to more on exploring an app instead looking at the document.

Vijay Nadeshan, Today at 17:28

yes you are right vijay

Vijay, 17:29

@Anees Heuristic technique to create PCO

Anees, 17:29

Ok

Saranya Easwaran, 17:30

@Chidambaram Last week while exploring the requirements we touch upon HTSM model and was reading more about it, hence want to actually employ the method and give it a try. I might take more time with this approach hence didnt give it a try now.

Anees, 17:30

Thanks Vishal:)

Chidambaram, 17:30

yes, i could have used.

Srinivas Kadiyala, Today at 17:27

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We probably wouldn't expect Google to screw up this for a public consumer application but this happens in a lot of development teams. It happened to me very recently, so I could connect immediately with this possibility.

Nikhil, 17:30

I would explore the product more and try to detail out the features

Weekend, 17:31

ok how many of you covered the Archived section or even conflicting notes scenario?

Vijay, 17:32

I have covered Archive section

Chidambaram, 17:32

Did anyone cover Accessibility?

given this is a consumer app, I would think Accessibility is a very important dimension.

ok how many of you covered the Archived section or even conflicting notes scenario?

Weekend Testing, Today at 17:31

Conflicting notes?

Weekend, 17:33

Let us take 5 mins time and have one improvement area for everyone's PCO. We will keep it ready offline and paste here when their name is called.

Anees, 17:33

(y)

Weekend, 17:33

Yes, conflicting notes is mentioned in Documentation

https://support.google.com/keep/answer/6102239?hl=en&ref_topic=6011493 - Conflicting edits in notes

Interoperability of application between the mobile and web application.

badhurudeen, 17:34

Suppose we repeat this mission, what would you change in your approach?

Weekend Testing, Today at 17:21

1. we come up with functionality and purpose side powerful question with help of 5W and 1 H
2. Any different/unique behaviour based on platforms
3. Background verification like API, security

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Chidambaram, 17:35

Yes, conflicting notes is mentioned in Documentation

Weekend Testing, Today at 17:33

Yes. Very important.

Balaji, 17:35

Suppose we repeat this mission, what would you change in your approach?

Weekend Testing, Today at 17:21

I would have covered the areas that I didn't explore

Weekend, 17:36

So let us take 5 mins and be ready for everyone's report.

we have 8 reports to review

Please paste your feedback for 'Anees' report

PCO is high level, can cover more details like

Saranya Easwaran, 17:42

To go in-deep for the features listed

Weekend, 17:42

Anyone else has feedback for Anees?

we will have to do this a bit quicker, folks

Next for Badhurudeen and Chidambaram's report

Should you have worked together in terms of sharing screen and noting the elements? Looks like effort was repeated.

No we are working separately. @Chidambaram took windows, I looked android. We planned to sync and in between to eliminate duplicates but time was up

Weekend, 17:47

ok

Srinivas, 17:48

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I liked the testable options mentioned by chidu

Weekend, 17:48

it has the meta data about who, when, where

Ok time for Jai's report

Anees, 17:49

Need to include more details like i have not added

Weekend, 17:50

Please share feedback for Jai's report which has very good set of questions.

Chidambaram, 17:51

Should you have worked together in terms of sharing screen and noting the elements? Looks like effort was repeated.

Weekend Testing, Today at 17:45

Yes Ajay. While @badhurudeen is right about how we divided the work, like I mentioned earlier since this is the 1st time we were working together, there was obviously that lack of understanding each others styles and then of course neither of us assumed a firm leadership attitude during our collaboration.

Weekend, 17:51

@badhurudeen

Chidambaram G, Today at 17:51

I am happy that this happened as you both now know what NOT to do :)

Srinivas, 17:52

Can user behaviors be part of PCO?

@Jai report

Vijay, 17:52

@Jai He covered all the good points. It would be great if focus more on exploring an app

Weekend, 17:53

Jai - as mentioned by Vijay, you can add features of the application after answering the questions which you did brilliantly

Deepthi_Weekend testing.pdf

Next Nikhil's report

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Jai, 17:55

Jai - as mentioned by Vijay, you can add features of the application after answering the questions which you did brilliantly

Weekend Testing, Today at 17:53

Thanks @Vijay @Ajay - next time I will make sure (y)

Vijay, 17:55

@Nikhil....Covered most of the functions. I liked his feature lists. Good.

Weekend, 17:56

Nikhil, good list - you can still expand few more like Settings. I think time was the issue
Let us share feedback on Deepthi's report attached above

Saurabh, 17:57

@Deepthi report is descriptive with the screenshot.

Vijay, 17:58

Deepthi's report - We can consider her report as nice Test Plan.

Weekend, 17:59

Deepthi - You can also focus on Non-visible elements too in addition to Visible elements.

Jai, 17:59

Good Coverage

Weekend, 17:59

How many of you shared the notes and tried the associated features?

Anees, 17:59

Deepthi's report 🍷

I liked the way content is attached

Weekend, 18:00

Next Saranya's report... what is your feedback?

badhurudeen, 18:00

@Deepthi, good coverage

Deepthi, 18:02

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@Saranya: has covered depth well in the given point of time..

Srinivas, 18:02

Good Coverage @Deepthi

Anees, 18:02

Yes @Saranya covered all part with test ideas

Weekend, 18:03

Saranya- adding markers - for features and test ideas would help

We are left with Saurabh, Srinivas, Vijay now

Saurabh first

badhurudeen, 18:04

@Saranya good coverage with negative scenarios as well

Weekend, 18:05

Saurabh - did you cover Reminders, Trash?

Saranya Easwaran, 18:05

@Saurabh Good list of features for the given time

Anees, 18:05

@Saurabh good coverage

Deepthi, 18:06

Saurabh - extensive coverage of a couple of tabs.. i think that was the challenge with time...

Saurabh, 18:06

@Weekend Covered Reminders in Creating and Editing existing note.

Weekend, 18:07

When you change the terms, chances of missing out and miscommunication increases

badhurudeen, 18:07

@Saurabh I liked that bin and archive points

Weekend, 18:07

Next for Srinivas?

we are 7 mins late

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Vijay, 18:09

@Srinivas.....Nice Map.....he used SFDIPOT heuristics technique to cover the feature list. It's really nice.

badhurudeen, 18:09

@Srinivas I like the Data part, interaction and purpose

Saranya joined this conversation

Chidambaram, 18:10

@Srinivas

badhurudeen Sheik Ismail, Today at 18:09

1

Weekend, 18:10

Srinivas - you can /go/ at least two more nodes deep in each main node

Srinivas, 18:11

Were there any other points could be added ? I always struggle with S - Structure!

Weekend, 18:12

ok now for the last report for the day - @Vijay

Deepthi, 18:12

@Srinivas " it is generic.. it still covers few but would be appealing if it is product specific

Weekend, 18:13

I couldn't find any area of improvement at first glance Vijay

As a wrap up, what is your learning from today's session?

Anees, 18:14

Can we have vijay POC here i couldn't find it

PCO

Anees, 18:15

Thanks

Srinivas, 18:15

I liked the timing area from Vijays

Deepthi, 18:15

Good coverage..

Jai, 18:16

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@Vijay - Beautifully done In in short time.

Chidambaram, 18:16

Get logistics right at least 10 mins before the session begins. Learn to assume leadership quickly when collaborating with a new person without sounding too bossy.

Anees, 18:16

Most of them have followed SFDIPOT good to know new things 🙌🙌

Deepthi, 18:17

Be prepared a bit early to the session and a few concepts though known are not at the edge of our minds.. so a good revision of them

Vijay, 18:18

Exploration and investigation these two things are very important to know and test the product.

Saranya, 18:18

To correlate the requirement analysis session we did last week to use in this PCO session

Anees, 18:18

I learned today how to prepare PCO and then what all details should be there would like to explore more about SFDIPOT and will try to improve in next session 👍

Jai, 18:20

It was really a Great to be part of the session also got to learn more(y)

Anees, 18:20

Even more about heuristics as last session also people were discussing about it

Chidambaram, 18:20

Thank You for your time everyone.

Srinivas, 18:20

It was good learning from different ideas covered in PCO

Weekend, 18:20

Good to know that all of you have something to take back with you :)

Next time we should aim to finish on time. See you next weekend where we will test Google Keep and maybe focus on <surprise> :)

Anees, 18:20

Thanks everyone

Thanks Ajay

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Deepthi, 18:21

happy to be here.. thank you all for your time..

Srinivas, 18:21

(like)

Weekend, 18:21

Please do share on social media

Saranya, 18:21

Thanks Ajay for hosting this session and thanks to all participants!

Chidambaram, 18:21

Thank You Ajay for helping us improve our testing.

Balaji, 18:21

This is my first session. I will join early for next session

Weekend, 18:21

and the chat transcript would be on www.weekendtesting.com

badhurudeen, 18:22

Thanks Ajay

Nikhil, 18:22

Got to learn about PCO and it was really good to be a part of this session

Got more insights on PCO from everyone's report

Thanks for the session Ajay

Thank you everyone

Jai, 18:22

Thanks @Ajay

thanks every one

Vijay, 18:23

@Ajay...Thank you conducting the session. It's really helps improving test ideas, techniques etc.. Expecting more session from you.

Weekend, 19:29

how many of you included this :)

Deepthi, 19:31

I did..

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