Dawid Wozniak:
OK, let's start the transcription as always, it's here so it is our last meeting. There was not so many changes comparing to the previous version that used to be there, but still there are some. So, let's start with some changes here. We still have this problem with the scalability, and we take all need latest comments. I wanted to show that now you can also search in the commit description, so if you search for, let's say „fix", you put „fix" here and then you have just two commits, but you say, OK, maybe it's not enough, so then you can put this search also in the commit description. Here, for example, we don't have it in the title, but it's somewhere here in the description „fixed breaking changes". It also displayed. Another change, when I click here, it used to be just the visualisation of the changes there. The problem is that for some big product, the highlighting of the bubble is not visible. So now, we will also get the list of the files here. It's just the pure list, so it's just pointing you to the right file. If you would like to go there, you still need to go there. So here, for example, now, you can go, OK, so it was in "marketing", „text edits", „marketing texts" or something like this. So, you know that you're gonna go in that direction now. It's basically reverting the process because I've gone back to the bubble. As you mentioned at some point that you like to have this correlation, we tried to do that. I would like to show it to you. But for that I need to have a file that actually has some commits.

Ayrton:
What is the difference in colours like some of them are green?

Dawid Wozniak:
Yeah, so there is this metric here. So, if I show the metric, it is the file extension. OK, let me, show you… I'll search for something that's supposed to be edited. OK, but for that purpose is enough. So here, we have this extra button, but there are some problems with that that it's not exactly good for some people. So how we wanted to do that, we wanted to see that if with this commits here, we have just one, so there will be probably some correlation. You always change some other file. The problem is that you might rename this file, move it or remove it. So, with this commit, we also change those. That is why it says like 100% for all of them. But if you, let's say, have this file in different place, then you move it, it's likely that it would have the correlation with itself but in the different place. Yeah. So, because of that it was confusing and it's not that easy to explain, why it's like this. So it is not something that I will include in my reporting. Just wanted to tell you that we tried to have something like this, but it's a little too complicated to leave it in the current state. It's not clear here I would show fire correlation for some commits. So here, it's coming. So, it's still not a good example, but at least you have some more information. So, you have like some of them are edited in both commits and some are just edited in one. So. then you have 50% of the correlation, so that's the problem of this feature. Therefore, it is like showing the files that were changed along with at least 50% of the commits that are still presenting the repository.

Ayrton:
So this one, we're looking at the application files in platform core, right? They don't change very often because people just do an update once and when you do the update, we update the entire app because we basically just take the code from the app repo. Yeah. So, we take the whole app and we put it into platform core. So maybe it would be a better example if you looked at client. Right? So, let's go to the the client web. Let's have a look at the „power automate" stuff, which is what I did also because I want to, right? Yeah. So, you go to platform client web and then quickly get it.

Dawid Wozniak:
It takes some time. Yeah. It takes some time to actually go there.

Ayrton:
Then there's a folder called TS which should be quite active, then I think there should be a top-level folder called "Power Automate".

Dawid Wozniak:
It is not there. It's not that updatde branch, so it might be there, but..

Ayrton:
It should be there, because it has been there for like 2 years, right? So yeah, this is actually something that would be useful as if I could type in the path. Yeah, the search for file. Yeah. So, search for „power automation".

Dawid Wozniak:
It is not there. I search now, it will probably take a while to do it. It is slow, but I will work on it and was working. so that is another problem that those bubbles have a certain configuration, so searching for these files, you'll get a problem. Sometimes, it is also a problem in the visualisation how to calculate the vectors. It should be on left or on the right side, then it crashes. Yeah. So here, it is called "PowerBI".

Ayrton:
Maybe, it is there. Actually, no, the one level up folder, that's called "power automate", it is that, this is the one.

Dawid Wozniak:
Yeah, here and there. Now you should see, like better correlations between all of these, because it's been a lot of commits to all these files. They are related to each other. Yeah. So now, it is clear how it works. So basically, we check for each of these files the list of the path to the files that were changed along. We are doing very simple statistics when you have like here, it is over 20 commits. So, it needs to update the same file in at least ten to be displayed here. If it's moved, renamed or removed, so here, basically it says like no correlation, just because, probably, it was moved from this or it was renamed or there were some other changes. That is, why it's not good enough for people who use it. It works but you would expect some correlation there. So now, when you have this version, my first question is, has it improved since the first version that I showed to you? Yeah, that's the first open question.

Ayrton:
Yeah, definitely because you can get way more information out of it now than you could before and it's easier to access that information because the windows are arranged in a way where they don't cover up the screen. Things like that... I feel like I can certainly get more out of it and it's easier than that getting it from the first version you showed.

Dawid Wozniak:
Yeah. So, if you needed to give a degrade from zero to ten, when zero means, that it basically doesn't improve at all, to ten, it is a fundamental change for this tool in your eyes.

Ayrton:
So, in terms of like, how well it's changed from the first version to this?

Dawid Wozniak:
Yes

Ayrton:

I mean, I say 10, right? It's like it has just changed in a way where maybe I couldn't get any useful information out of it before, it wouldn't give me enough info about the commit. So, it was hard to navigate or whatever. There's now. I can actually search for things that I wanna find. I can find a file that I wanna see. I can look at all the commits that we have done to that file and click into the commit to get more information. If the tool doesn't give me enough information, I can take the hash and I can search in the actual repository for it and find it very easily, right? So, it's like you have massive improvement.

Dawid Wozniak:

Okay. So, during the first meeting I asked you about UI, how you like it and then commits were just in the general tab here. This commit history was also slightly different, but it was still there and now you have this commit stuff in the tab. So, I ask again. To what extend do you agree with the statement that information about the commit messages is presented in the clear and easy to navigate UI? If you look at the UI here in this commit view, I remember that you said that there might be a few improvements that you'd like to have it here fixed. So, when I scroll down, it is still visible but I didn't have time to implement that so you also can give you grade from zero, that is like very bad to you, to ten, like perfect nothing to change at all.

Ayrton:

I mean if I have to pick a number and say like seven, right? It's like above average, it's not like perfect because obviously those improvements that I suggested that you could make, but it's still good. It's given me all the information that I need. My only real criticism for it is like I don't necessarily need to have the filters open when I'm reading the data and vice versa, right? So, once I've finished filtering, it would be nice, if I could collapse that and I don't need to see it anymore, right? And even if it was just like a single element that I could press a button and it disappears and then I could only see the results of what I found, that would be nice, but like, you give me all the information I want in the format that I want it. The only thing is that half the UI is taken up by controls that I'm not necessarily using right now.

Dawid Wozniak:

Yeah. Thank you for that feedback. Now, I have a question about general products. So, this is also a question from the first iteration. So, how beneficial would it be for you to use this tool, if you have access to it for your work and it's also from zero to ten? So now, we can see if it improved in your eyes overall or it's in the terms of the usability the same.

Ayrton:

Yeah. Well, so I give it like a six, maybe seven probably, right. I think two main things that you need to see all of this together in this visualisation, which is currently not working like it would be really nice if I mean, for example, this file that we're looking at, for example, has 27 commits in it and there was suddenly 7 commits when you moved to the next closest one. It's like 13 commits now, things like that, and then it's the size based on the number of commits, right?

Dawid Wozniak:

No, the size is based on the number of bytes that you need to start this. So, it's actually the file size. So, if you look at this file, this is like 38 kilobytes, and here it's 22 kilobytes. So, it's smaller and this is like not even one megabytes. That is why it's also smaller on the visualisation.

Ayrton:

Yeah. So, the thing is, like, this is my feature that we're looking at, right? So, let's say that I have a file

that always needs to be updated, but I can't remember which one it is. Then, I click on one of these files and say file correlation and then I can see very clearly like this is the file that you always need to update. It's that one. Then click it and see what it is. So, it would be nice if this visualisation was able to highlight that here. All of other feedback that I gave you about showing me more details about the commits that are present like the title is not enough. We need all other information that goes with the commit, like the files that have changed, the detail commit message, that's possible to search on that. I like it. I don't think that I suggested that you make that searchable, but you did make it searchable, just fantastic thing. But the key thing that differentiates this between the searching like DevOps or GitHub is the fact that I can see this correlation between files, right? So, I think that in order for this to be super useful, that would really need to work. So, it's actually important for the future.

Dawid Wozniak:
You, kind of, answered my next question but maybe, you have something more to say. So, the question supposed to be - what is still missing regarding this tool and this commit view that we have here. So, information about the commit messages and all other information from here. You think that we can use it for something else. File correlation, you mentioned that. If there are some other missing features here and you think should be there.

Ayrton:
No. I mean it's not only for correlation between files it was also for finding who works on a particular file, right? So, see authors. So, like if I could type a person in, can I see where that person works visually? Can I see where they work? Or alternatively, like if I look at this, can I see a visual representation of who works where? I think it is that one of other visualisations metric that you have rather than number of commits, you have all of that, top contributor?

Dawid Wozniak:
Yeah.

Ayrton:
Then you can see where those people contributed.

Dawid Wozniak:
The problem is that when you have a huge repository, we have then those colours, they can be very similar to each other. Like if they're basically random generated, but it also means that, let's say, this colour and this colour, for some other guys, they look very similar on the screen.

Ayrton:
Yeah. So, for example, like here in this folder. we're looking at just a very small subset of client JavaScript and TypeScript files. I'm surprised that I know that the majority of the people in this list on the right did not change any file in this folder, so it would be nice, if you could filter that and then pick the colours based on the small number of authors, right? Because then also here I can see like if you hover over the files that are red and the files are in blue, they're actually both me, but one of them is my name and the other one is my alias. So, it would be nice if you could merge that. But this is actually really useful even in the state that it's in, I can clearly see who's the owner, the blue one. It's me. Yeah, okay. So that's the things I can clearly see that it is me. It's at this file and now it's the other ones, that if you zoomed out a little bit, I think this folder contains quite positive example to see who does what.

Dawid Wozniak:
You mentioned that one is your email address, and one is actually your name. So, we have the

feature that you can call it which people should be grouped together and then we need to find, Yeah, there were two and then we'll merge them, and you will get just one colour. Everything would be highlighted for you. I think that it's supposed to be done now, yeah. Yeah, it's just regenerating everything. So that's the future that we have. It is just difficult to to do it out-of-the-box. We need to do it manually. The main problem here I've just picked one name, actually, we picked just the first one. So, I mean like this is kind of funny because it's like all blue.

Ayrton:
Yeah. Because I mean, we picked like a folder that I do the most stuff in, right. But I think if you zoomed out, one level maybe, it would be very nice because then you can see who did what, right? So then, I mean in this case, maybe I would pick different one because it shows, at the moment, you're showing all the individual files. It would be nice if you could maybe on this level have like a maximum depth.

Dawid Wozniak:
Yeah. So here we have the depth and the problem with that is that when you have a folder, it still has the size that corresponds to its initial size and we don't do this top contributor on the folder level. Yeah, just on the file level. Also the same with the file correlations.

Ayrton:
Yeah. So here you can see that's okay. You have some controls and if you open that, then there are actually some files. So, here's.

Dawid Wozniak:
You will get actually some information, but maybe we should also do it on the folder level and keep like the size of the bubbles. Yeah, it should restructure.

Ayrton:
I think that this view is really useful, but I think I would just consider like, because you're showing everything on such a scale down to the file when you change the depth, how do you make that view useful? Right, because a lot of these circles are empty because you are not showing the files, right? But in the case, you have a folder where you don't show anything inside. Then, you should find a different way. Yeah, well, you might be also trying different approach to that, so it might also be the list at some point.

Dawid Wozniak:
So yeah, we have this nice visual representation, but if you just want to find some information you have not that interested in the visual part, that might be alright. Yeah. So, it was my last question but maybe you have some comment like general comment about something or something that you just would like to say about this product so it is transcripted and added to the record of this meeting.

Ayrton:
Yeah. Well, so I think in the state that it is in. I still don't think that it would be ready for us to use in production. Right? Because I think that it's missing somethings like being able to just show a tool because like. you know, I don't need to see who's touched every file. I just want like broad areas, right? So, I can say this person is responsible for this integration. This person is responsible for this application module, things like that. But I certainly think it is a huge improvement of the first version that you showed, mate. You definitely get there. I think that it's just now we are talking about like feedback about aspects that you considered very well, right? I mean, even in this conversation, I'm saying to you like it would be nice if we could do this. And you're actually thought about that and you've already implemented this feature, right? I think in previous times I've said to you like, it

would be nice, if we could do this. If you say that's a good suggestion, I'll think about that. But in this conversation, a lot of times you said to me, ohh, we actually really have that feature. We've built this and I thought you should present it in the different UI.

Dawid Wozniak:
So here, if you just use this option, for example, to merge two users, it is not visible, we need to scroll down to the detailed list and some file. Yeah, maybe we should ask, when we analyse if you want to match some people. That's also a suggestion that we should think how we should represent that option. That's the end of meeting. Thank you for the participation.