Dawid Wozniak:

OK, so let's start. And so, as you can see here, you have a Git-Truck. I present slightly different version than you know as the author of this tool. So here there is a footer saying a new version. It's the final version. So, let's see the Git Track analysing some repository. So here, we have the new panel, and everything looks as it was, but there are some small UI improvements. The first one is a chart depth, so you can now select how deep you want to go. So, if you select one, it is what you would see, if you go to File Explorer and just look into this project, then you can have like two levels. So, we can go inside this bubble. If you go to some details, it also updates here, it's not that big project. So, when you have full, it's not that much crowded view but for some projects is very crowded. That is, why it's useful. You can also now resize parts of the visualisation. So, let's say, you wanted to make it smaller, and you wanted to make this wider. It's possible and yeah, so it is some small improvements here in the commit history. There is not much improvement in the general tab. So still, you can view it. But this action is not clickable. It looks a little nicer, hopefully. but it's not something that fundamentally changed, but there is another tab called "commits". If you open it here, you have some more options. So first of all, you have the normal view and commits sorted by date in the accessing order. It will be also the descending order. If you would like to have, you can also have author. Yeah. So, then you just have all comments assigned to the authors. You don't need to do anything else. Let's stay with the date and we have some filters. So, let's say that you are interested just in some fix, so you can put here "fix" and if they commit message contains "fix" in any form, so it doesn't need to match case of the letters. Here you can see the full list, here you can also turn this option, so you can see if it's also included in the description. Here you have the authors for the whole repository, so it is some automated bot. You can see, ok, there is actually not any comment with the "fix" word and this author. I just removed this word filter and here there are a few commits. They are very small "community something" commit. You have also time range. So, you can select the time that you would like to have here. There is another small UI improvement. A cross sign there so you can close this box. Then you have more space. If the list of the commits is very long, then it might be the case that you don't want to see that. So, if you decided to collapse those, they are not visible here. You can then close this and reopen those. It is just that the personalization. So that's basically what was changed in the detail view relation. There is one more feature that I would like to mention. So, if you go, I think the "components", that is a good example and if I click on the commit, then I have a message, if there is any description, hash, when exactly it was created, by whom, and you can click to "see edited files". So, if I click here, it fetches which files will change in this commit. Here it's one file so it might be not that interesting, but we go let's say to this commit. Then there might be multiple files and they are highlighted in the visualisation. The list is also here, so I am on the level of components, but also "metric" was changed. So, from this view I would not be able to see it. If there is no list there. So, my first question that is about this product, it's about the UI. So how would you agree on this scale from zero to ten, that's the information about commit messages are presented in the clear and easy to navigate UI in in the current version of GitTruck?

Thomas:

Can I get the question as text? It was a bit long. In the chat maybe.

Dawid Wozniak:

I think that it's quite simple, but I can also put it here, so it is just the scale question. So, from zero to 10, how do you agree with the statement that information about the commit messages is presented in the clear and easy to navigate UI?

Thomas:

I see I'm, I guess, uh an 8.

Dawid Wozniak:

So if you said eight, I assume that there are some improvements that might be useful to do here. So, do you have any ideas or something more specified that you would like to change from the UI perspective?

Thomas:

I don't know. I'll just try to click around myself a bit. Let's see. So, if I click here… I mean, I don't really have any feedback. It's just okay.

Dawid Wozniak:

Yeah. Yeah, it also might be like your feeling. It's some kind of art. So, you might like it just because you think that it's nice or you might not like it because you think that it's not nice. It's difficult to express feelings. My next question is about if you have this version, how beneficial would it be for you to use it in your work or any site project like your private project? Also, on the scale from zero to 10 and if you think about some scenarios, you can tell what they are.

Thomas:

Also eight… I think it's very useful to be able to both on personal and work projects to be able to search for example for "fixes" as you pointed out. And I think the way that you can bundle authors together is very nice. So, you can actually see which authors made which commits to a file instead of it just being a long list. I would like to also maybe have the author colours on each line. That would be very nice in the date view so you can see both the date and then the colour of the author.

Dawid Wozniak:

Yeah, I can tell you that I've tried that at some point. The problem was that here you can easily distinguish author by this colour. Maybe Christopher and this author, they have similar colour but still you can distinguish, if you have the list that is over like 100 people, then some of the colours are very similar and it's very colourful. If you open this view and that is why we decided not to do that and yeah, so it's the nice answer. And now I have another question that is about the usage of this commit view. So, you mentioned in the answer for the previous question that you would like to go here and maybe you would like to find like all commits that "fix" something in the commit message. Do you think that it's your primary use or you have some other scenario that you would fulfil going to this new tab and doing some filtering, sorting, searching?

Thomas:

Can I ask if you put multiple authors in the field that does it make a commits that overlap or like two different authors? It's only files made by only Christopher and Mircea? Or are they Christopher and Michael?

Dawid Wozniak:

No. This is Christopher's and Michael's commits. So here you can see that it is the split by author, maybe it's not that useful. You can also exclude them. We always show the full list of full authors. So, if I go there and you can see that actually, if you include those guys, they are not commits for this particular file. This is just Amelia who committed this file once so then.. They are still available here,

so it might be improvement for some people that you will show just the list of authors that are available for this file, but then for other people it is not that good because I would like to search, say for Dawid and I would just go here. OK. I remember he changed something here. OK, it was there. But then I click here and suddenly this filter is gone because you don't have this author anymore here in the list.

Thomas:

Well, I think it would be very, it's very nice that you can set multiple authors and then see on which files they have like collaborated instead of the very binary view that we have usual where it's just one person getting all of the credit. I think it's very nice and you can put in two or three names and see where they overlap. Also, actually it is like to see the truck factor, like who can be there, who is who. I think that's very, very good insight.

Dawid Wozniak:

OK. And so that's the answer for my question and thank you for that. And now you mentioned some potential improvement, but do you have maybe more suggestion what can be improved here? So, what is still missing regarding the commit history, some insights that are not there but you would like to have them there?

Thomas:

And so just a question, the all button, is that the All authors that you said currently on?

Dawid Wozniak:

Yeah. Yeah, it is all out there. So, if I change it to some outer, then this is gone. But if you don't have any filter to apply then you see all authors, so you have this "all" label.

Thomas:

I don't know. I guess it's not related to exactly that question, but I just clicked around and there was a button that said "show file correlation based on commits". Maybe that's an improvement.

Dawid Wozniak:

Yeah, OK. I can explain that. So if I click this button we are doing not the visualisation. But we are doing the list of the files that were changed with all these comments here. And if this file is still in the repository, we show the correlation there. So here it's not the correlation but if we go there, there might be some correlation and it needs to be at least 50% and then you can see that if you change this file it's 50% likely that you would change this file there. "Single Commit view" file, "history element", "commit history tab" in this case. This feature was let's say requested at the beginning. Then people said OK, but I would like to actually have more here, and it's not related that much to the commit message. That is the central point of my master thesis. So, it's still there. I will probably add it to the product that we can also think how it should be structured. Should this link be clickable? That's also a question what should happen if you click on it. Then you have completely different file correlation. Yeah, so now if I go to another file, they are simply gone. But if you click them back, you like to see them probably. Still there. Yeah. So this functionality is there, but it's not the base of my master thesis. I will not mention it. I did it because people wanted, but then they were not sure that it is what actually would be helpful for them.

Thomas:

Okay, I think that's pretty cool. I was just a bit confused about the the wording. What exactly the button does.

Dawid Wozniak:
Yeah. If you hover over it, then it's maybe more descriptive. The thing is that if you put the whole string then it's even wider than my current right panel so not a good idea.

Thomas:
Absolutely.

Dawid Wozniak:
Yeah. So, do you have an idea for the improvements, or you think that it's okay for now?

Thomas:
I think the search works nice. I think the option to include exclude is very nice, time ranges that are very nice and they are set to the bounce by default. I think that's very nice and I don't think I have that much other feedback.

Dawid Wozniak:
So maybe there is something else that you would like to say about the products that I haven't asked about or you have some questions and comments. It's your time to say it.

Thomas:
I'll just click around a bit and try it out. I think this show added files is very nice actually instead of just getting the list of files. It highlights them in a way that matches well with the other sort of colour patterns that I used so. I think that it does it very well.

Dawid Wozniak:
Yeah. Here, when you have some uh, when you showed this edited files, this list contains only files that are still in the repository, so you can still click on them. Otherwise, if you go to some old commits, you might get the list of the files that are not really in the repository. And now even if you go to the some commits that changed some image, then we change the structure of the folders, you will see like no files were edited with this commit. That might be misleading. That is why there is this tooltip. I finally did it with this option, that it shows still present files in the repository.

Thomas:
So it does not follow renames.

Dawid Wozniak:
And not really because it is just pure git. If you do git diff, it outputs just list the names. So, if you rename this file or did anything basically move it to another place. then it's not here. Maybe there is a way actually to follow those renames and other stuff, but then it's more complicated to achieve fetching it. Right?

Thomas:
I think we're following renames in the hydration step. So, the credit in the commits, the commit credits are given based on prior renames. So, I guess that's a bit wrong. It's not done in the same way everywhere, so maybe that should be made clea. I don't know it's, but I think it makes sense that it only highlights the ones that are actually there, of course.

Dawid Wozniak:
Great, so now I have a few questions about you. So, I would like to do some statistical analysis of my testers. So how many years have you worked in the IT industry, including some part time jobs?

Thomas:
So not studying, just working.

Dawid Wozniak:
You can include studying, if you were working part time on the site and yeah it's in years so you don't need to be very precise to the mouth or weeks.

Thomas:
I guess I have worked for two and half years.

Dawid Wozniak:
Yeah. And what is your primary role?

Thomas:
The role I don't work there anymore.

Dawid Wozniak:
OK. And what was your primary role during this time?

Thomas:
It was just like developer assistant I guess.

Dawid Wozniak:
OK. And how big is your team in average and here you can include also teams at the university, teams in your open source projects, and team at your workplace. You should include developers, QAs, product managers, product owners but not like the higher management.

Thomas:
So I think it's at school, it's mostly about five and then at work it was maybe it's seven. So, I guess you can say 6 on average.

Dawid Wozniak:
Yeah, that's good. And if you have your average product, do you know more or less how many commits are there and you can say like per day, per month, per week, per year if it was more comfortable to you?

Thomas:
What do you ask if I'm aware? How many commits? Hmm…

Dawid Wozniak:
You can say if you have completely no idea. It's also the answer, but if you have some approximation like, I think that it might be like "a week we do X number of commits because it is our process".

Thomas:
Uh, well, I think at work in the team we did maybe 200 commits a week. Yeah, like a school project where we have fewer people, it's maybe more like 20 per week. So, take an average.

Dawid Wozniak:
And how many files are there? So here in the Git Truck you have 112 files. Is it maybe bigger than your average product, maybe smaller?

Thomas:
Yeah, that's definitely bigger than my average project. GitTruck is like the biggest school project I've worked on. So, on average, it's probably more like 30.

Dawid Wozniak:

OK. And the last question, so when I finish my master thesis, there would be a paper that I will publish on the topic of commit messages and interaction that people would like to have with them. Would you like to be informed about the results? So, get basically the link to my master thesis to read it.

Thomas:

Yeah, yeah, absolutely. That would be very nice.

Dawid Wozniak:

Thank you one more time. I'll stop the transcription right now.