

Dawid Wozniak:

OK, so you can see on my screen that's if I say something then it's basically records it. Then, I will review it and send it to you. So, I just leave it here and now you can talk. Sorry that it took so much to configure.

Kristoffer:

No worries.

Dawid Wozniak:

Uh, so it is the repository visualized in GitTruck. Here you can see the structure. You have some bubbles that represent the single file, and if the bubble is bigger than another, it means that it's also bigger in the file size. So, this folder is the biggest because it is the biggest bubble. You have some metrics like file extension here. Actually, you cannot see because there are so many bubbles. But if we zoom in, then you have some colour coding by extension. So, it is like TypeScript file. This is different file. You can limit the view, so if you are interested just in first level. So, it is what you can see in the basic explorer. It takes some time to change. It's not fast... then it is this view, and you can make it even more interesting changing other options. So, I can select any bubble. Here it is this general information, author distribution and commit distribution. It's basically sorted by the date from the latest to oldest. Here we have a special tab just for commits. Here we can change it, it can be in the descending order, and you can also sort by author. So, who basically made this change, right? You have also some filters, so you can search by some part of messages. So, let's say that I would like to see only ones that include "change" so they change something and then you can see OK, there are four comments that include the word "change". It's just the one filter. You can also look in the commit description. So, when you have the commit, you will probably also have some information in the description. It depends a bit how the organization works. You can filter by author, so I would like to just see Alex's commits. Alex did just this or you can just exclude Alex. Then you see everyone else except Alex's commits. You have filter by dates. So, it is like the time frame to which date you want to search, and you can show or basically hide the merged commit messages. So, my first question is if you look at this, umm, how do you think that it is presented in a clear and easy-to-navigate UI in your eye?

Kristoffer:

So what do you need to do to get here? I wish I will do one more time.

Dawid Wozniak:

You just need to select the bubble that you are interested in. Let's say this one. Then you have general view. It is something that already was there before my project. Then you can go to commit, so you have like a tab view here and then you have sorting and filters. You can put it in different order and filter. So how do you think that it is presented in such a way? And here if you can give a grade from zero like it's not usable to 10, that is nothing to change like it's perfect. What would you give?

Kristoffer:

Umm, I like this part where you can you click into something and then you get this section where you can see the commits. The only thing I'm thinking is that it's hard to figure out how this, uh, how all these commits, which of these folders they are being committed to. Like, if this change for example is happening in this folder and up her, this change over here. is happening in this folder here or how is it related?

Dawid Wozniak:

So here if we go, let's say, there you can open the details and then you can see, which file were edited. So now, it's fetching which files where change and they would be highlighted, and other things will not be highlighted. So here it was just this file change and but if you go to level up then it's more problematic that here. For example, this file... I think it was changed and the problem is just that it's so small that for now it's difficult to see that it's not gray out. So it's the one problem, but it's good that you know this here.

Kristoffer:

Yeah, but if you go back to the other view, like just if you just only look at the filtering. I like how it filters that you can, you know, add these include and exclude and you can see the changes that are being made. I like that part.

Dawid Wozniak:

So if you needed to give a grade from zero to 10, thinking about everything, what is related to action that you can do here.

Kristoffer:

So, if you think about that, it's not nice that if you show the files, other files are gray out, it should be better. So, I would say maybe six.

Dawid Wozniak:

And now it is what we talk briefly before I started the presentation, you probably will have at some point the project that you will be involved in, and it would be a big project like this one. So now, how beneficial would be to use the GitTruck with this?

Kristoffer:

This product... it would be nice to just to see visualized. So you see how all the stuff is being related to each other and what ties into what.

Dawid Wozniak:

You mean like the relations between files?

Kristoffer:

Yeah and how big each is. Does it work also for folders?

Dawid Wozniak:

So if you select it and you have the general view, then you also have information how big it is. I need to go, and you can see that there are eight files, 6 folders, you don't have precious size, let's say in megabytes or bites. You have this information about the files and folders.

Kristoffer:

Umm, yeah, OK, But there are still visualized. Like if you look there from how big they are in size.

Dawid Wozniak:

Yeah, you're still visualized how they are. Yeah. So, this folder is the biggest in this repository in this folder. So, this subfolder is the biggest, but you don't know exactly how much megabytes it is or how much we get.

Kristoffer:

It is because they look equal to me.

Dawid Wozniak:

I would say actually, OK, maybe it's just the perspective much. OK, so how beneficial would it be for you to use it also from zero to ten?

Kristoffer:

Maybe also six. OK, I would say and the reason why I'm giving that score is because it's good for me as it is. It's hard to see, you know, so this is the overall, this is everything I have and then if this is just how I see it. And then, I have this section and I have this section and it's kinda yeah, to me, it's hard to see how which section is the largest and most important.

Dawid Wozniak:

And it's important for you?

Kristoffer:

Yeah, I would say so, but in terms of it being here, I guess, it's from a development perspective useful, I guess. It's not for me. I mean this section could be just as important as this section, right?

Dawid Wozniak:

Yeah, but there are many, many different approaches. So, if you have this commit view and here you can see the authors, the dates. You can use this filtering, sorting what would be main reason, you think that people would have to go here? You would go here to actually see this would they be interested in the content what is written here in the dates who committed that to who made the change or when the change was done. What do you think? What is the primary usage of this view?

Kristoffer:

This information I would say this is the most important. This is what the user should focus on your project. The filtering is less important than I would move the changes up.

Dawid Wozniak:

OK, so the list of commits should be here on the top, you mean?

Kristoffer:

Yeah, I would say so at least.

Dawid Wozniak:

And filtering and sorting where should it be?

Kristoffer:

Just below right below. I mean, if someone changed something really important, that is, to me at least, what I would focus on, OK. And then I would like to have it so it's maybe good to show them in the most recent changes.

Dawid Wozniak:

Yeah, that's a good answer. You mentioned that you would like to see this relation between files and commits. Do you think that there is still something missing regarding this commit message history? Like another kind of filters some other kind of sorting, so we have just date, author, accessing, deaccession order and filters, just to remind you. So you can filter by part of the message, you can select if it should also search in the description, you can filter by author to include or exclude authors and you can select the time range. Do you think that anything is missing here regarding commit messages history?

Kristoffer:

Yeah, but I would maybe move this section with the authors or maybe like move it further way down and then just have the author's name directly in, in the commit here, it's an idea.

Dawid Wozniak:

I will show you another metric is called top contributor and then you can see that here you have some names. So, there are people who committed to this repository, but some people use like nicks, so they say, like Han or some like this. It is by design, but it might not be straightforward to you, but it's a good suggestion. Thank you for saying that. So is there anything else that you would like to tell me about this product? So you don't need to limit yourself just to this commit view, but maybe you have some general suggestions for it.

Kristoffer:

I mean, maybe this is just a crazy thought but maybe some more visualization on how what each of these actually mean, because we just look at it, it's hard to read. All this says nothing without zooming. So yeah. I mean, this is just for me visually, maybe you have some snippets or something of that. You can either hover over each bubble or have some lines in the visualisation. If you do it, you can see the name of the file, but not enough. I mean I would like just to see what this folder includes in terms of the actual product like the output of the code like the README file. I mean, I guess code is not always being it ended in something visually like, let's say, this was the front page of an app or whatever but that's why I'm referring to that maybe this section could display an overview. So this is everything related to the back end and this is the front end.

Dawid Wozniak:

OK. So it was my last question about the product, but now I have a few questions about you actually. So let's talk about it. So what is your primary role?

Kristoffer:

It is now student and I work as a UX designer on the side.

Dawid Wozniak:

OK, that's good and how many years have you worked in contact with IT projects, including part time jobs? You don't need to be like very specific.

Kristoffer:

I would say five years, five years.

Dawid Wozniak:

I assume that you work in some teams here at the university, but also in your part time job. So how big is your average team? Including like developers, like your QAs, PMs in average

Kristoffer:

I would say 80 people.

Dawid Wozniak:

80 People?

Kristoffer:

Yeah.

Dawid Wozniak:

And if you have an average project, do you know how many commits are there like circa? And how many files?

Kristoffer:

I don't know.

Dawid Wozniak:

That's also good to know. Would you like to be informed about the results of this project? So basically, about my paper. So I can send it to you when ready.

Kristoffer:

You don't have to.

Dawid Wozniak:

So thank you for being here. Now I will stop the transcription and as I said, I will send it to you after I correct it.