

Dawid Wozniak:

OK, so let's start. I started just the transcription right now, so you can see on the screen that it's recorded what we are saying, but I'm not recording the screen or use camera, so let's start with the short presentation. Just to give you some idea about the process. So, my research question is: which insights about commit messages are useful for stakeholders when visualising a project using GitTruck? But you can shorten it to "let's make a commit history great again". So, when I think about the commit history messages, it is like we write them and then we turn around and we are doing some other stuff. You write commit messages and we come back but we don't use it for any automatic processes. So, it does not help us actually to get some sense of the changes of the repository of the structure and the real problem is that we don't really know how to do this. You can think about it in the terms of the traffic. We want to give some suggestions to a car, actual to a user of the car, and then we might do it in many different ways so we can show it in that way like a traffic sign. It can have transparent background, make shape meaningful or make the colour meaningful and it is what I wanted to figure it out. So of course, the driver wants to get to their target destination and the car is our product – GitTruck - that supposed to get some improvements and you can imagine yourself as a mechanic who helps me to get to the point when my car is perfect. So, I will give you the tool and by tools, I mean my time and everything what I can do to fulfil your wishes. You need to provide the feedback about the product, how it's done, why it'd have been better like this. What do you think about it? We suppose to have some kind of a discussion. Finally, at the end I talk with many testers. As we need to iterate over the solution. I will also mention more about that at the end of the presentation. So, let's jump into the product.

So, I've already started GitTruck and it is the first screen where you can see the list of repository that we might analyse. For now, we just analyse GitTruck with GitTruck because there is a small issue with the scalability that we are fixing right now. So, if you have a huge repository then it would take like ages to load.

What do you have here? We have some information about the repository like the branch, when it was analysed, some hash of the comment, the title of the repository. Some box just for feedback. Then, we have chart types, so it can be a bubble chart or treemap. It's a little like in old file managers and then you get some metrics that are colour coded. Below we have just the file extension, so this is the typescript file and here we have some images. It means that they have the different extension, the size of the bubble means that this file is the biggest file in repository in this case it's just the visual representation of size. We have some other metrics already like number of commits made, last change, single author, top contributor, track factor - that's combined some metrics like single author and the top contributor, so let's see this one for example. So here you can see which file was edited the most. Yeah, but let's stay with the file extensions. It's not critical for the project. Then I click here. On the right, I have some detail information. This is not that much important, but here I have the file information. Below there is a section I'm responsible for. At the beginning when you just click on some bubble, then you will get three of dates and three latest commit messages. If you expand the view, then you just have more message of the commits. You can expand this view so if there is more than three of them. You can have more commits if we switch to some other file like *detail* then you can see that this list might be very long because this file is frequently changed. If there is more than one coming during the same day, then it's just separated by the new line. So, my first question is: what is your general impression about this product? The product as a whole and the comment history part. Then, we know that you have the ooverview of the project, understand all the features, you know what it's all about and then we focus more on the common history part.

Julia:

I think I like it. It is doing the thing. I am confused that you have to tell me that the bubbles are based on size.

Dawid Wozniak:

File size.

Julia:

Yeah, right. But it's still it, like I am still not sure, it's just the current biggest files or the combined biggest size or so and so. Just the split of the repo is not instantly clear to me. Other than that, I don't think I've seen anything similar before. So, I think that's nice and innovative, and I like that there's a lot of charts that you can that you can see.

Dawid Wozniak:

Great, I'm going to details now. We can focus more on the comment history, especially commit messages. So, I have a few statements and I'll just say them, and you say how much you agree or disagree with them. The first statement is - commit messages are important to me. So, when you write or when you read them from sketch. From one to ten when one means completing nothing important to ten - very, very important.

Julia:

one to ten?

Dawid Wozniak:

yeah

Julia:

seven

Dawid Wozniak:

okay and now we can look at the product UI. What do you think about it? What do you think of this commit history part? So, if you need to grade it from one that is completely not usable to ten that it's perfect and nothing to improve what the grade would be.

Julia:

I think I would give it an eight.

Dawid Wozniak:

OK, that's a good grade. Thank you. And the last question from this scale questions. So, if you have this product like it's right now, how beneficial would it be to use this product for your work? I mean like work and private project. Everything that contains some code, and you are included in such a project. From one that is completely not usable, and you will never use it to ten, that you will use it everyday multiple times.

Julia:

I think for me it would be a two or three, let's say 3.

Dawid Wozniak:

OK, so it means that there are use cases that you would use this product for. So, what would be your main goal using Git track?

Julia:

I think it would be reviewing the comment history actually and then see some of the files that I'm interested in or seeing who modified them, when, did they do right what I'm looking for, who broke something or something like that, right?

Dawid Wozniak:

And if you look at this commit history part, is there anything related to the history, that commit history is missing?

Julia:

Well, there's no author. Yeah, it should be next to the commit, I think it is okay. Maybe it is not very readable, especially if the messages are longer where there are moved to next line.

Dawid Wozniak:

Okay. That's good feedback. And now some more abstract questions. So, if you have like unlimited time, unlimited resources, what will be the most useful insights from commit messages that you can imagine? So here we can not limit ourselves just by the time of the project or by money that you would need to spend money. Just saying. That is about the whole project, but it should be connected with the commit messages. Yeah. So, you have committed messages and the information about the committed data but we focus especially on commit messages. Then you might want to do something to improve visualisation of the project. So you can take some insights from commits.

Julia:

I think I would like to know how many of those were fixes, so to say or like how much time did you actually spend on a fixing something. Was it actually worth it?

Dawid Wozniak:

Right. Yeah.

Julia:

What broke it? And if there is the more fixes and multiple comments, was it fixing it better than the previous solution.

Dawid Wozniak:

Okay, that's great. And do you want to say anything related to this project that I haven't asked about maybe time observation or just something that came out just?

Julia:

In my mind there is the right pain panels are expandable. Can you stretch it? And this one?

Dawid Wozniak:

Yeah. No, it's fixed sized right now.

Julia:

This is not good. I would like to be able to stretch it, especially like we're looking at the commit history and whatever they have a lot of information. If you would be able to stretch it, you probably would see more.

Dawid Wozniak:

Okay. That's great.

Julia:

So, it's just like it's not super necessary.

Dawid Wozniak:

Our conversation is critical feedback, and now I finished the part asking about the product. But when I have feedback, I want to know also the facts about my testers, so I will ask you some questions regarding you and your career and then we will finish the interview and talk about the next steps. So, how many years have you worked in the IT industry including part time jobs, you don't need to be very precise in here.

Julia:

It's okay. Almost three, I think three.

Dawid Wozniak:

OK. And what was your primary role? What is your primary role during this time?

Julia:

A software developer.

Dawid Wozniak:

OK. And you were probably in the few teams. What was the size in average of your team? So, you can include the developers, QA, product managers, product owners.

Julia:

Um, on average... eight.

Dawid Wozniak:

When you have the average project, how many comments are there? And you can say per day, per month, per week, per year, what is more comfortable to you?

Julia:

Ohh the current or on average?

Dawid Wozniak:

I think that the average is good because it's some kind of balance.

Julia:

Ohh I say it would in average one hundred a day.

Dawid Wozniak:

OK. And when you have your average project, how many files are there in average?

Julia:

I have no clue, a lot.

Dawid Wozniak:

OK that could be an answer. As I mentioned while I was going through the presentation, there would be next version. So, you can treat it as a version 001 and then I will implement some feedback and we will talk about your feedback. We're doing it during our next meeting. Of course, if you would like to have one more, then we will focus more on the changes. So, I will not be asking you these statistical questions, because I've already had documented your answers for them. But for sure, there would be next version, so we need a few iterations and at the end there would be special feedback session. That would be the most important when we have just the product without the commit history and with my changes. So, if you would like to participate then I would be very happy and now I feel that it's the end so I will stop the transcription. Thank you for participating and hopefully we will see each other again.