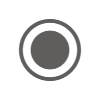
**First Meeting-20240411\_102206-Meeting Recording**

April 11, 2024, 8:22AM

51m 23s

 **Eden Neave** 0:08  
Via crack.

 **Jacques Coetzee** started transcription

 **Eden Neave** 0:09  
I don't know if you guys have ever played it before.

 **Mikyle Fourie** 0:11  
OK, not not we can look for reference.

 **Ivy Chepkwony** 0:11  
Umm, no.

 **Eden Neave** 0:13  
It's it's like a.  
It's exactly, yeah, just so you guys can look it up, it's it's also a quiz game and and you can play it obviously like by yourself or multiplayer and so, but it's not like it's not like we all answering the same question at the same time, although I think they all modes, there's different modes on this app that you can play like there's like a ladder thing.  
There's a like all these different settings, so we can maybe take inspo from from that app.

 **Mikyle Fourie** 0:39  
You know.  
I like it.

 **Eden Neave** 0:43  
Am I like the art style or whatever?  
If you guys want and that's multiple voice.

 **Mikyle Fourie** 0:46  
Here.  
Uh, so users need to submit their answer.

 **Ivy Chepkwony** 0:48  
Yeah, show.

 **Mikyle Fourie** 0:52  
Sure, the user with the users with the correct answer will have their score incremented.  
Uh.  
And then the next round starts.  
Repeats until the end of the quiz, and then a winner is determined.  
We should allow the HR team to add and edit quiz sets, so this is interesting.  
I was reading this and I was thinking how do we authenticate someone's HR?

 **Jacques Coetzee** 1:21  
Ohh.

 **Mikyle Fourie** 1:22  
And then give them different menus and functionality, you know.

 **Jacques Coetzee** 1:25  
Well, we could probably just have them like upload text files, right?  
And then they can only upload a text file if they logged in as an HR member.

 **Mikyle Fourie** 1:37  
Yeah.  
Yeah, I can agree.

 **Ivy Chepkwony** 1:38  
Yeah.

 **Mikyle Fourie** 1:39  
But it's more so, how do we know Darren, HR, member, one of the things?

 **Jacques Coetzee** 1:44  
Well, we're going to have a login screen for everybody, so we just have certain Members have that property that they also agile.

 **Mikyle Fourie** 1:47  
Exactly so.

 **Ivy Chepkwony** 1:49  
Yeah.

 **Mikyle Fourie** 1:50  
Because. Great.  
So in terms of the plan that we need to submit next week, we have 4 things to submit.  
Uh, the one is just slides for the oral presentation again.  
So that's simple enough to understand what it is.  
Obviously it's just slides for everything else.

 **Eden Neave** 2:18  
So we're doing and our decision next week.

 **Ivy Chepkwony** 2:18  
Well it.

 **Mikyle Fourie** 2:21  
I don't know if the oral presentation is next week.

 **Ivy Chepkwony** 2:24  
No, no, no, it's not, it's not.

 **Mikyle Fourie** 2:26  
That apparently we do need it.  
You'll see here on the project brief.  
Yeah, Section 2.  
Deliverables and 19th of April it says here are four things you need to submit to #4 is slides.

 **Ivy Chepkwony** 2:36  
Yeah.

 **Mikyle Fourie** 2:42  
Sam, but it might be will.

 **Eden Neave** 2:42  
The umm.

 **Jacques Coetzee** 2:44  
Are y'all.

 **Ivy Chepkwony** 2:45  
But we don't need to submit it next week, do we?

 **Mikyle Fourie** 2:47  
Yeah, well, that's what this would imply, uh.

 **Ivy Chepkwony** 2:52  
Yeah.

 **Jacques Coetzee** 2:52  
I think that's just we gotta, like, submit the slides for the presentation, but we're not doing the presentation then he's gonna give us feedback and then we're gonna rework the presentation before we actually present it.

 **Mikyle Fourie** 2:56  
Yeah, don't have to.  
It's worth.

 **Ivy Chepkwony** 3:04  
OK, so it doesn't have to be like fully fleshed out.

 **Jacques Coetzee** 3:06  
Yeah, I think it's just the submission for feedback.

 **Ivy Chepkwony** 3:08  
OK.

 **Mikyle Fourie** 3:09  
I mean, it's worth double checking.  
Uh with the customer?

 **Ivy Chepkwony** 3:13  
People that, yeah, at least right.

 **Jacques Coetzee** 3:14  
Ohh yes.

 **Mikyle Fourie** 3:15  
That's that's what we're referring to them as now forever.  
Uh, so that's the in terms of like actually setting up the slides, it's simple enough and we'll just, you know, take the feedback we got from the first round of presentations.  
Umm, so the main two documents that we need to make are the project plan and the requirements document.  
Umm so I I have written down things that we should consider for the project plan.  
Obviously it's the group management, time management, the technologies we're using, the testing and QA that we're gonna use, realistic costing, which is gonna be such a pain.  
Uh, and major milestones that we need to meet.  
Umm, so that's kind of like the the wide overview of the way we're splitting the project is my understanding, umm.

 **Ivy Chepkwony** 4:13  
Yeah.

 **Mikyle Fourie** 4:14  
Then the second document is the requirement.  
Stock this one is like the.  
The the kind of like here.  
We're breaking down everything that we need to make for it and like what sections were breaking down the actual practical part of the project into, umm and how those, how those like breakdowns meet the requirements that we need.

 **Eden Neave** 4:34  
OK.

 **Mikyle Fourie** 4:42  
Umm.  
And I think in the requirements stock, we also like clarify what are our like success uh benchmarks basically like what's the difference between like a a subpar login system and then a really good login system for us, you know and how to plan to achieve the the better of the two.

 **Ivy Chepkwony** 5:03  
Yeah.

 **Mikyle Fourie** 5:07  
Uh #3 is a detailed design of the software framework for our individual parts.  
You have raised your hand typing.  
What's up?

 **Ivy Chepkwony** 5:19  
Sorry, no, I just didn't want to interrupt you.

 **Mikyle Fourie** 5:22  
Appreciate.

 **Ivy Chepkwony** 5:23  
I just wanted to say fold these.  
OK, what?  
I'm sure everyone has gone through the links that he gave us, but I've I've written like a summary of basically everything from those websites said when we're actually typing it out, we can.

 **Mikyle Fourie** 5:31  
Umm.

 **Eden Neave** 5:38  
Yeah, yeah.

 **Mikyle Fourie** 5:38  
Was.

 **Ivy Chepkwony** 5:40  
It's like I've made like a checklist essentially for each.

 **Jacques Coetzee** 5:44  
Ah, nice.

 **Ivy Chepkwony** 5:45  
Document so we can go through data.

 **Mikyle Fourie** 5:45  
But that's.  
Did you?

 **Eden Neave** 5:48  
OK.

 **Mikyle Fourie** 5:48  
Did you hand write that?

 **Ivy Chepkwony** 5:50  
Yeah.

 **Mikyle Fourie** 5:51  
OK.  
Maybe if you could send a picture to the team that would be great.

 **Ivy Chepkwony** 5:55  
Yeah, yeah.

 **Mikyle Fourie** 5:56  
And for now, the WhatsApp group before we finalize it, we're gonna use teams or slack, but send on both spots for now.

 **Ivy Chepkwony** 6:01  
Yeah.  
Yeah, I will.

 **Mikyle Fourie** 6:05  
Yeah.  
So my plan sang of the detailed design is that one we have to first divide the.

 **Eden Neave** 6:12  
The workload.

 **Mikyle Fourie** 6:13  
Load amongst the four of us and then umm, and then each person must like very detailed like outline there their process.

 **Jacques Coetzee** 6:15  
Yeah.

 **Eden Neave** 6:26  
Uh goodness.

 **Ivy Chepkwony** 6:27  
Hmm.

 **Jacques Coetzee** 6:28  
As we do not have enough time for that.

 **Mikyle Fourie** 6:31  
We're going to cook.  
Don't worry.

 **Eden Neave** 6:31  
How how do you already supposed to know what we're gonna be doing?

 **Mikyle Fourie** 6:35  
It doesn't need to be 100% like it's allowed to change on the fly, but the idea is that you set all these things and you do all this work now, so that that part is much easier.

 **Eden Neave** 6:37  
Please help.

 **Jacques Coetzee** 6:49  
Yeah.

 **Mikyle Fourie** 6:50  
A bit ridiculous though, considering we don't get paid.  
UM, until until this part is officiated.  
Like we get a huge for this thing, but we only start getting paid once we show all this project planning and stuff in there and the customers like yes, sounds great.

 **Eden Neave** 7:00  
So then we got it.

 **Jacques Coetzee** 7:09  
Yeah.

 **Mikyle Fourie** 7:10  
Great.

 **Eden Neave** 7:11  
That's crazy.

 **Mikyle Fourie** 7:11  
Yeah, you.

 **Eden Neave** 7:13  
Umm, so then we've got it.  
Do you now?  
So there's three group documents or what is it?  
Two group documents and slots, and then an individual document, right?

 **Mikyle Fourie** 7:22  
Yep.

 **Eden Neave** 7:25  
That we all have to do.

 **Mikyle Fourie** 7:25  
Yeah.

 **Jacques Coetzee** 7:27  
Yeah.

 **Eden Neave** 7:28  
So there's that.  
But then there's also, like we have to split, how we gonna be doing the entire project between US 4.

 **Mikyle Fourie** 7:36  
Well, that that's that fits underneath the project plan.

 **Ivy Chepkwony** 7:37  
Yeah.

 **Eden Neave** 7:41  
Alright.

 **Mikyle Fourie** 7:42  
That that division duties.

 **Jacques Coetzee** 7:42  
And we have to.  
We have to do that quickly.  
So everyone can start working on the individual thing too.

 **Mikyle Fourie** 7:50  
Yeah. Umm.  
It's it's odd though.

 **Eden Neave** 7:57  
Yeah, like, I don't even know how to split this.  
Like I'm so confused and.

 **Jacques Coetzee** 8:00  
You know.

 **Mikyle Fourie** 8:02  
So I did speak to some people who did it last year and looked at theirs and it doesn't look like they did it that deep.

 **Eden Neave** 8:05  
Yeah.

 **Mikyle Fourie** 8:09  
I did not ask how how well they did though.

 **Jacques Coetzee** 8:14  
But they passed.

 **Eden Neave** 8:14  
Alright.

 **Mikyle Fourie** 8:16  
Yeah, exactly right.  
So I don't think it's super, UM, like deep, but obviously the deeper it is the better.

 **Eden Neave** 8:23  
Deep.

 **Mikyle Fourie** 8:27  
So I have a few extra things I wanna just say out loud to you guys so that you have it in your heads that I took over the course of the course as well as over the lecture that you all three missed, by the way. Uh.

 **Ivy Chepkwony** 8:41  
Sorry.

 **Jacques Coetzee** 8:41  
We were riding ohh.  
I was writing maths.  
I don't know what these two would do you.

 **Ivy Chepkwony** 8:44  
No, I I legitimately, I was going to show up to the lecture, but I did fall asleep like I genuinely I genuinely miss my love.

 **Mikyle Fourie** 8:50  
Ohh.

 **Ivy Chepkwony** 8:53  
I'm sorry.

 **Mikyle Fourie** 8:54  
That's all right.  
Like I'm not.  
I'm just.  
I'm just pulling you guys.

 **Ivy Chepkwony** 8:56  
Yeah.

 **Mikyle Fourie** 8:56  
It's just really funny where like.

 **Eden Neave** 8:57  
Didn't she?  
I don't have an excuse.  
I just didn't show.  
I'm sorry.

 **Mikyle Fourie** 9:00  
They.

 **Ivy Chepkwony** 9:02  
And.

 **Mikyle Fourie** 9:02  
They split the you know there's the the class now into two groups of four, and it was only five there.

 **Eden Neave** 9:03  
I'm not scaring you.  
And you're the one.

 **Mikyle Fourie** 9:10  
Yeah, I was like, OK, I represent our team instinct now.

 **Jacques Coetzee** 9:12  
Perfect.

 **Eden Neave** 9:15  
Hey, I'm sorry about that.

 **Mikyle Fourie** 9:16  
It's alright, so here's here's a few things.  
So we're recommended to assign roles.

 **Eden Neave** 9:22  
Hello.

 **Mikyle Fourie** 9:22  
This is very much what goes into the project.  
The project plan in terms of that group management section, the only ones that were listed off Dome was like assign a project manager, a lead designer that I think that's fairly flexible and we can like choose to be like this person is in charge of front end.  
This person is in charge of database handling.  
Stuff like that, yeah.  
10:00 AM then we're told to be using Django.  
Nobody's gonna do nothing else but Django.  
I've I feel between the two teams.  
It's and we should research what is the difference between a fat and a thin client in relation to pulling and pushing to servers?

 **Eden Neave** 10:03  
We.

 **Mikyle Fourie** 10:11  
Umm, it's just something I I wrote down and it might be worth considering for our design.  
I don't know what it means yet, but we're gonna figure it out.  
Then this was something from the test lecture where he said he recommends that if you are testing a section of code, you should have three to five test cases for individual sections, and each of those test cases should like be testing different things.  
Uh.  
Such as edge cases, very large numbers, very small numbers, you know, stuff like that.  
Uhm, so it might be worth talking about that in the testing section.  
Uh, he recommended using Google API for the signing in of users.

 **Eden Neave** 10:53  
OK.

 **Jacques Coetzee** 11:00  
Yeah.

 **Mikyle Fourie** 11:01  
So we should look into that.  
Umm.

 **Eden Neave** 11:05  
Have you always written down?  
Sorry to interrupt you.

 **Mikyle Fourie** 11:08  
Say again, I do and I will send those.

 **Eden Neave** 11:09  
Do you have all this written down?

 **Jacques Coetzee** 11:11  
The transcript of the meeting is also being recorded.

 **Mikyle Fourie** 11:15  
Awesome.

 **Jacques Coetzee** 11:15  
So yeah, and I like.

 **Ivy Chepkwony** 11:16  
Yeah, I'm also writing some notes.

 **Jacques Coetzee** 11:17  
I'm watching it as as we're talking and it's actually really good.

 **Eden Neave** 11:19  
Our nine now not just talking about just couldn't come to the lake on Monday.

 **Ivy Chepkwony** 11:25  
Now I've got a I'm writing notes as we go as well.

 **Jacques Coetzee** 11:26  
Uh.

 **Mikyle Fourie** 11:28  
OK, sweet.  
I do also have all the certain down so I can send it as well.

 **Ivy Chepkwony** 11:31  
OK.  
Yeah.  
OK, that works.

 **Mikyle Fourie** 11:32  
Uh.  
Then we are. Yeah.

 **Eden Neave** 11:35  
You know.

 **Mikyle Fourie** 11:36  
So we're recommended to use Google API.  
So yeah, then we were told we should have a professional communication channel going on.  
Uh slacks teams or whatever, and this should actually be mentioned in the project plan under the technologies used.  
Umm, so there we go.  
We can again we can look into slack.  
Have you ever used Jack?  
Jack, if you use slack before, OK, we'll figure it out.

 **Jacques Coetzee** 11:59  
Oh.

 **Mikyle Fourie** 12:01  
My parents have.  
I'll go ask them how it is and so then uh depend.  
So then, he said, depending on our tasks slash stories, we should be estimating to be doing around 10 to 20 hours of work a week.

 **Eden Neave** 12:22  
Do you?

 **Mikyle Fourie** 12:22  
That's deep.  
Uh, at first he said, 50.

 **Eden Neave** 12:25  
That's.

 **Mikyle Fourie** 12:26  
And then he dropped it down.  
So blessed.  
Yeah.

 **Eden Neave** 12:32  
And get this.

 **Ivy Chepkwony** 12:33  
With.  
How is this possible?

 **Eden Neave** 12:35  
Yeah, like how.

 **Mikyle Fourie** 12:37  
Well, when when is this final submission?  
Umm.

 **Ivy Chepkwony** 12:43  
Bay or something?

 **Mikyle Fourie** 12:45  
Hey.

 **Ivy Chepkwony** 12:46  
I think it's may, but it can be extended until June.  
That's what he said last time.

 **Mikyle Fourie** 12:51  
Like so?  
Like the end of May.

 **Ivy Chepkwony** 12:53  
Yeah, and with me.

 **Eden Neave** 12:55  
So is this like our final that project?

 **Ivy Chepkwony** 12:59  
Yeah.

 **Eden Neave** 12:59  
Soccer is now.

 **Ivy Chepkwony** 13:01  
Yeah.

 **Eden Neave** 13:02  
OK.

 **Mikyle Fourie** 13:03  
Yeah.  
So it's it's the big one.

 **Eden Neave** 13:06  
OK.

 **Mikyle Fourie** 13:08  
And again, like we're splitting it four ways, the hours are flexible.

 **Eden Neave** 13:12  
Yeah.

 **Mikyle Fourie** 13:15  
Umm, you know, like final submission.  
Uh doesn't have a date here.

 **Jacques Coetzee** 13:24  
Not really stressed about the project, I'm more just stressed about this book.  
Like the project, we have enough time, but the real for this.

 **Mikyle Fourie** 13:28  
About.  
Planning is a bit tight too.

 **Jacques Coetzee** 13:33  
Ohh.

 **Mikyle Fourie** 13:35  
Uh, obviously also will be collaborating using GitHub.  
Uh, not also goes under used technologies.  
I don't have that one written down, but I feel like that's obvious, especially because the submission.  
Needs to be a GitHub directory, so and so then.  
Uh, interesting.  
We should mention the target systems for the project.  
Uh, IE like what computers should the software run on my best points of reference for this are we should obviously find out what our customers main computer is just for the vibes our confused.

 **Eden Neave** 14:12  
OK.

 **Mikyle Fourie** 14:25  
We all have the same computer for game design, but these are very strong computers.  
Our low spec can be checking like.  
Does it run in the D lab online?

 **Ivy Chepkwony** 14:35  
Yeah.

 **Jacques Coetzee** 14:36  
Yeah.

 **Mikyle Fourie** 14:37  
And then remind me if I'm wrong that that he specifically said we do not need to do a mobile implicate implementation.

 **Jacques Coetzee** 14:44  
No, just Linux and Windows.

 **Mikyle Fourie** 14:46  
Yeah.

 **Jacques Coetzee** 14:47  
Ohh Linux or Windows.  
But we have to test on both.

 **Mikyle Fourie** 14:50  
Yeah.  
Umm.  
If you say we should also mention which version of Python were you using?  
I didn't even know Python had different versions.

 **Jacques Coetzee** 14:59  
Yeah.

 **Mikyle Fourie** 15:00  
Imagine we just use.

 **Jacques Coetzee** 15:00  
We also have to coordinate so that we all use the same version.

 **Mikyle Fourie** 15:03  
Yeah.  
Yeah.  
Yeah.

 **Ivy Chepkwony** 15:04  
Eat OK.

 **Mikyle Fourie** 15:06  
And we should mention the OS we're targeting, probably we're going to do Windows and then try double check for Linux.

 **Jacques Coetzee** 15:13  
Yeah.

 **Mikyle Fourie** 15:15  
We should plan the project.  
Uh.  
Phases as in this is where the planning phases.  
This is where prototype one is prototype two, etcetera.  
We are recommended to schedule code reviews IE like we should say like your section of code should be done by Thursday because your code review is due on Friday.  
Umm and your code will be reviewed by this other group member that will fall under quality assurance.

 **Jacques Coetzee** 15:41  
Yeah, yeah.

 **Eden Neave** 15:49  
OK.

 **Mikyle Fourie** 15:50  
I also our code should be commented nicely.  
Uh, we should have a work in progress board, so this is something we've seen in the lectures multiple times before.  
Umm, where it's like a board with different columns that says this is in like planning.  
This is in working progress.  
This is completed, you know, and then you can like move the tasks horizontally across that.

 **Eden Neave** 16:11  
Yeah.

 **Mikyle Fourie** 16:17  
I don't know if anyone has an idea of how we can implement that.

 **Jacques Coetzee** 16:20  
Uh, so where I worked, we used motion for that purpose.

 **Mikyle Fourie** 16:26  
OK.

 **Jacques Coetzee** 16:26  
But there's also like monday.com and pick up.

 **Ivy Chepkwony** 16:29  
The notion is a bit like it's fine.  
It can work, but it's so it's quite a hassle, yeah.

 **Jacques Coetzee** 16:35  
Yeah, it's hard to set up.  
Yeah.

 **Mikyle Fourie** 16:39  
Yeah.

 **Jacques Coetzee** 16:39  
So I would say like pick up ormonday.com.

 **Mikyle Fourie** 16:43  
OK, it will look into that. Umm.  
Monday, like the day of the week.

 **Jacques Coetzee** 16:51  
Yeah.

 **Mikyle Fourie** 16:53  
Dot com.

 **Jacques Coetzee** 16:54  
I just don't know if they have a free plan.  
Uh, but I would say click up so click like you click with your mouse and up the direction.

 **Mikyle Fourie** 16:57  
Look at what was the other option.  
Is that also a website like.com or?

 **Jacques Coetzee** 17:07  
Yeah, well yeah, click up.

 **Ivy Chepkwony** 17:08  
Click up is also quite nice.

 **Mikyle Fourie** 17:10  
OK.

 **Jacques Coetzee** 17:10  
I I use click up for like my just my individual activities still time.

 **Mikyle Fourie** 17:15  
There we go.  
Umm so from what I understand come may after we submit this project plan, we'll start having check-ins with the customer.  
Maybe weekly?  
Probably umm.  
And at those meetings, we recommended maybe even required to provide them with timesheets to show every to show them this is what, how long we spent doing work this past week.  
This is what tasks we worked on.  
This is how long they took to complete and then we should also substantiate why they took longer or shorter than we planned and to complete.

 **Eden Neave** 17:58  
OK.

 **Jacques Coetzee** 17:59  
There's an app called Toggle that you can use to track your time quite easily.

 **Mikyle Fourie** 17:59  
Uh.

 **Ivy Chepkwony** 18:04  
Yeah.

 **Jacques Coetzee** 18:05  
Really kind of just like check in and check out.

 **Mikyle Fourie** 18:09  
OK.

 **Eden Neave** 18:09  
Umm, you guys have all these apps like on hand?

 **Mikyle Fourie** 18:12  
And update.

 **Ivy Chepkwony** 18:12  
That's because I procrastinate.  
So if I have to.

 **Mikyle Fourie** 18:15  
See say that like eating, I don't just suffer.  
OK.  
So then, uh, for databases, it's probably look into either using just like Microsoft Access or something called SQLite.  
Never heard of SQLite myself, but we can look into it.

 **Eden Neave** 18:37  
What?  
What was the first name?

 **Mikyle Fourie** 18:38  
Microsoft Access, so it's also like another like word or PowerPoint that Microsoft provides us.

 **Jacques Coetzee** 18:40  
Look.  
You know.

 **Mikyle Fourie** 18:46  
That it's specifically for databases.

 **Eden Neave** 18:46  
OK.

 **Jacques Coetzee** 18:48  
It is also the problem child of the office suite.

 **Mikyle Fourie** 18:52  
Yeah.

 **Ivy Chepkwony** 18:54  
What was the other one called?

 **Mikyle Fourie** 18:56  
SQLite.  
Now I don't know if that's ghe or ITE, but I assume it's ITE.

 **Ivy Chepkwony** 18:58  
SQL.

 **Mikyle Fourie** 19:06  
But SQL is like database language.

 **Ivy Chepkwony** 19:06  
OK.

 **Mikyle Fourie** 19:12  
Basically, UM, we're recommended to use a graphics library for, you know, the graphics.

 **Jacques Coetzee** 19:20  
No.

 **Mikyle Fourie** 19:21  
And if we do, we should.  
We should obviously mention that in the.  
Uh, in the papers somewhere.  
Does that count as a use technology?  
I don't know.

 **Jacques Coetzee** 19:35  
I think so.

 **Mikyle Fourie** 19:36  
OK.  
And then the last little note I have is that we should look into UML diagrams, UML diagrams, just like flow charts.

 **Ivy Chepkwony** 19:48  
Didn't we do it?

 **Mikyle Fourie** 19:48  
I think.

 **Ivy Chepkwony** 19:50  
Haven't we done then before?  
Or maybe I'm thinking of something else.

 **Mikyle Fourie** 19:54  
Hold on.  
Let me Google it real quick.  
UML diagrams?  
Yeah, they're just like flu shots.  
Umm, the they'll help us like visually model the uh, like the architecture of what we're working with.

 **Ivy Chepkwony** 20:15  
Hmm.

 **Mikyle Fourie** 20:17  
And you know, I think that's a nice way.  
It's a nice, very digestible way for customers to understand what's going on.  
Let's see.  
I just tried to put one in the chat but it disappeared.  
Well, there it is.  
Yeah, it's just taking a while to load.  
So I think in terms of today, if there's any way we can start, we can start thinking about dividing.  
Add.

 **Eden Neave** 20:47  
Why so?  
Why is everyone invited to the meeting?  
I'm looking on the chat.  
Dolls, everyone invited.

 **Mikyle Fourie** 20:52  
Of because I just started it, so I just pressed invite Sarah.  
Everybody else.

 **Eden Neave** 20:57  
Alright.

 **Mikyle Fourie** 20:58  
Because that because when you do that, it's like rings for you guys.

 **Eden Neave** 21:04  
But I mean like Kellan till my yes.

 **Mikyle Fourie** 21:06  
Hello.  
Huh.

 **Jacques Coetzee** 21:07  
Wait, what?

 **Ivy Chepkwony** 21:08  
It's.

 **Mikyle Fourie** 21:08  
Where is that?

 **Jacques Coetzee** 21:09  
No.  
What did you do?

 **Mikyle Fourie** 21:12  
Where do you see that?

 **Eden Neave** 21:12  
Just look at the drops on the chat.

 **Mikyle Fourie** 21:15  
On the chat, I don't see that.

 **Jacques Coetzee** 21:17  
Yeah, my chat doesn't go up that far.

 **Mikyle Fourie** 21:19  
Yes.

 **Eden Neave** 21:20  
Ohh the what it's like.

 **Mikyle Fourie** 21:21  
They invited them.

 **Eden Neave** 21:23  
It's like Simon unverified left the chat till unverified left the chat me call.

 **Mikyle Fourie** 21:26  
Maybe.

 **Ivy Chepkwony** 21:29  
But where are you seeing this?

 **Jacques Coetzee** 21:32  
You don't know you in the right chat.

 **Mikyle Fourie** 21:33  
Yeah, maybe you're looking at the wrong chat.

 **Eden Neave** 21:39  
Maybe.

 **Mikyle Fourie** 21:40  
Maybe.  
Anyway, umm, I'm fairly certain there is no acts of mutiny happening here that they cannot see.  
What we're working on as.

 **Jacques Coetzee** 21:51  
That's like the that's.  
Yeah, I see it now.  
That's the chat from the when you Andre was showing us his Python.

 **Mikyle Fourie** 21:58  
Ah, it's a previous chat.

 **Jacques Coetzee** 22:01  
Yeah.

 **Eden Neave** 22:03  
Uh, it came out that.

 **Mikyle Fourie** 22:04  
Yes, Sir.  
But yeah, in terms of today, we might want to think about broad overview of division of roles here and uh.  
And start thinking about the breakdown of the project into like discreet sections. Umm.  
Yeah.  
Easy as first thing to say is like uh, front end.  
Need somebody on front end.  
Umm.  
And a project manager.  
Anybody wanna be project manager?

 **Ivy Chepkwony** 22:41  
I think you should be project manager.

 **Mikyle Fourie** 22:43  
Aye, I'll do it.

 **Eden Neave** 22:44  
Keep.

 **Ivy Chepkwony** 22:45  
If you if you don't mind.

 **Jacques Coetzee** 22:45  
Yeah.

 **Mikyle Fourie** 22:46  
Yeah.  
No, I don't mind.  
Umm, I also have the advantage of being a little more free than you guys in terms of time.  
Umm.  
A little bit, eh?  
Not, not too much, uh, so.

 **Jacques Coetzee** 23:00  
I'm hearing yoga to do everything that's.

 **Mikyle Fourie** 23:02  
Listen man.  
Uh, But yes, I'll try.  
Uh, stay on top of all that.  
Kind of stuff.  
Umm, so I will.  
I'll project manager.  
He also mentioned that, you know, just for the the scale of this project.  
Project manager and lead designer of very much the same thing.  
Umm, in terms of I think all that lead designer does here is like says this is the main sections and then each of the individuals in charge of those sections do.  
The details are breaking those down, you know, I'll say.

 **Ivy Chepkwony** 23:38  
Umm.

 **Eden Neave** 23:39  
OK.

 **Ivy Chepkwony** 23:39  
And we're a small groups, so.

 **Mikyle Fourie** 23:40  
Yeah, exactly right.  
So I think I'll, I'll do that too in just one swoop.  
Then in terms of so then what are we breaking down?  
We need umm.  
So you need front end is pretty broad.  
Would we want it to be like?  
Umm.  
Like one person is in charge of all the front end.  
Umm.  
Whether that's like front end for logging in or front end for like showing the quiz system itself front end for showing the the add.  
You know the HR specific systems or?  
Do we want to, like, break it up into like sections and then each section has to do both the front end and the back end for that?

 **Eden Neave** 24:35  
Yeah, that's difficult.

 **Ivy Chepkwony** 24:39  
Maybe we can have someone who's like the like a lead front end person, but other people can still.

 **Mikyle Fourie** 24:45  
Yeah, a friend.  
Yeah.  
So maybe maybe it's like in in charge of each of our individual sections will will do mostly like the back end and the logic and then it will do, yeah, maybe maybe a bare bones front end and then we'll have somebody who does like the the meeting up and the ensure all the front end is congruent.

 **Ivy Chepkwony** 24:50  
Shipping.  
Yeah.  
Mm-hmm.

 **Jacques Coetzee** 24:59  
Just make like a functional front end.

 **Ivy Chepkwony** 25:07  
Yes, yes.

 **Mikyle Fourie** 25:10  
OK, like that.

 **Ivy Chepkwony** 25:10  
Yeah.

 **Jacques Coetzee** 25:10  
Yeah.

 **Mikyle Fourie** 25:12  
So then we can say a lead front end.  
OK.  
Who wants to do it?

 **Eden Neave** 25:24  
I don't even know like.  
What?

 **Mikyle Fourie** 25:27  
Is any.

 **Eden Neave** 25:27  
How many are they gonna be like?  
What are their roles?

 **Mikyle Fourie** 25:31  
Yeah.  
So we we need to think about the sections here.

 **Eden Neave** 25:33  
What's up?  
Say for instance like like I'm the lead front end for example and you the project manager then like what?

 **Mikyle Fourie** 25:42  
Hmm.

 **Eden Neave** 25:44  
What?  
What will the roles be of those people, for example?  
That's what I'm trying to understand.

 **Mikyle Fourie** 25:51  
So in terms of lead front end here would be like.  
Lead front end is going to double check or not double check but uh, you know, kind of once each of the other sections are at a workable place.

 **Ivy Chepkwony** 26:07  
It's.

 **Mikyle Fourie** 26:08  
Umm take the data that they're like working with and then produce the the visuals for it.  
Like make sure that the visuals of all our menus and all the systems we're working with look the same.  
And I have like the Zen and understandable design language.

 **Ivy Chepkwony** 26:22  
So like.  
So like you I.

 **Mikyle Fourie** 26:28  
Umm you are you?

 **Jacques Coetzee** 26:29  
Yeah.  
And also maybe like design the wireframes and everything but the user journey.

 **Ivy Chepkwony** 26:33  
Ohh OK personally.

 **Mikyle Fourie** 26:33  
Yeah.  
I like that.  
I like that a lot.

 **Ivy Chepkwony** 26:37  
OK, wireframes.

 **Mikyle Fourie** 26:37  
I really wide frames and the that's the thing.  
So, but let's think back end system for a bit.  
So what are the?

 **Eden Neave** 26:49  
Now let's get rolls out, and then we can decide who like is best suited for the roles.

 **Mikyle Fourie** 26:55  
Yeah, but that's the thing I think to do that, we need to understand what pieces need to get done.

 **Ivy Chepkwony** 26:55  
Yeah.

 **Eden Neave** 27:02  
No.

 **Mikyle Fourie** 27:03  
Right.  
So front end is one thing great.  
Umm.  
Then we also need umm.  
We need database management.  
Umm, in terms of the database is going to hold, you gonna have two separate databases, database of users and database of quiz data.  
What's that sound?

 **Eden Neave** 27:24  
Yeah.

 **Ivy Chepkwony** 27:25  
Wow.

 **Mikyle Fourie** 27:26  
Reasonable.

 **Ivy Chepkwony** 27:27  
Yeah.

 **Mikyle Fourie** 27:27  
Uh, so obviously?  
Uh, I have never worked on something like this.

 **Ivy Chepkwony** 27:30  
It's.  
I.

 **Mikyle Fourie** 27:33  
Jacque, have you ever worked on something like this?

 **Jacques Coetzee** 27:35  
I've worked with access in high school, you know.

 **Ivy Chepkwony** 27:38  
Yeah.

 **Mikyle Fourie** 27:39  
Yeah, I work at access in high school.  
I'm also mean like like building a a A system like this in general like the whole thing.

 **Jacques Coetzee** 27:48  
In like in terms of databases, no.

 **Ivy Chepkwony** 27:48  
No.

 **Jacques Coetzee** 27:50  
The only like files storage.  
I have it that was like Jason serialization.

 **Mikyle Fourie** 27:53  
Yeah.

 **Eden Neave** 27:55  
I've never done this at it.

 **Ivy Chepkwony** 27:56  
I mean, I've kind of sorted it was like a project in metric.

 **Mikyle Fourie** 28:01  
Yeah, yeah.

 **Ivy Chepkwony** 28:03  
We we have to create like some some app or something and we did use like Microsoft it's database thingy thingy to handle all the user inputs and stuff.

 **Mikyle Fourie** 28:08  
Yeah.  
Yeah.

 **Ivy Chepkwony** 28:19  
That's the most I've done.

 **Eden Neave** 28:20  
I've never days management ever.

 **Mikyle Fourie** 28:24  
It's OK.  
It's not bad as.

 **Eden Neave** 28:26  
I'm not clueless.  
I'm like, what is Microsoft Access?

 **Mikyle Fourie** 28:28  
Yeah, it's not.  
It's not the worst thing ever.  
It's not too bad, don't worry.  
OK, so I'm thinking.

 **Jacques Coetzee** 28:37  
I would be keen to learn it though, like I don't think I would be my ideal case, but if no one else wants to do the database management then I would be keen to try.

 **Mikyle Fourie** 28:39  
Yeah, yeah.

 **Ivy Chepkwony** 28:40  
OK.

 **Mikyle Fourie** 28:47  
I think I'm happy to do the database management so then we need.  
So I'm thinking like I'm just writing this down as like, uh, core pillars core pillars of of the project. Umm.  
Well, project design, so we need.  
Databases umm, I think we only need 1/4 uses.  
And 1/4 uh the quiz data.

 **Ivy Chepkwony** 29:25  
Yeah.

 **Mikyle Fourie** 29:25  
Right.  
I'm the only reason I say I think for users.  
Is because I I don't know if if we use Google's API, do we actually need to have a database of the users or do they do that you know or like?

 **Ivy Chepkwony** 29:37  
OK.

 **Mikyle Fourie** 29:41  
I think we'll we'll probably still need one in order to authenticate who counts as HR and who counts as a regular user though.

 **Jacques Coetzee** 29:48  
You know in Google probably gives you some sort of token or something just to match with your database.

 **Mikyle Fourie** 29:53  
Yeah.  
So UM, but I'll I'll ask.  
I'm going into campus later to tutor for software development.  
Uh, for the 2nd is and so maybe I'll just ask like a lecturer.

 **Jacques Coetzee** 30:05  
Back a man.

 **Mikyle Fourie** 30:09  
You know, you've all talked to genga.

 **Jacques Coetzee** 30:11  
Yeah.

 **Mikyle Fourie** 30:11  
I'm.  
I'll ask him if he has a suggestion, because maybe he has, you know, the insight and the intuition that we don't, right.

 **Ivy Chepkwony** 30:17  
Yeah, I think that's a good idea, yeah.

 **Eden Neave** 30:18  
Yeah.

 **Jacques Coetzee** 30:18  
Right.

 **Mikyle Fourie** 30:18  
Have.  
Yeah.  
And also I also have some senior friends whose who might also, I'll speak to them as well.  
OK, so database is the one thing, then the the actual quiz logic itself is is an interesting thing on the quiz system, right?  
But I wanna.  
I wanna say that the quiz system I wanna break down the multiplayer part and the quiz system into two separate things for now.

 **Ivy Chepkwony** 30:46  
Why?

 **Mikyle Fourie** 30:48  
Because I think that the multiplayer thing is gonna prove more difficult than it seems it is.  
My is my gut feeling.

 **Jacques Coetzee** 30:57  
Yeah, but I think you should look like leave it for last.

 **Ivy Chepkwony** 30:58  
OK.

 **Jacques Coetzee** 30:59  
I think you have to build everything around it from the start.

 **Mikyle Fourie** 31:00  
And not a lot.

 **Eden Neave** 31:03  
Yeah.

 **Mikyle Fourie** 31:03  
Yeah.  
OK.  
So that's then in terms of the like the stories that needs to be one of the first things that gets done makes sense.

 **Jacques Coetzee** 31:14  
Yeah, like the networking.  
And then you can just build everything based on how that works.

 **Mikyle Fourie** 31:19  
It does that need the login system to work first.

 **Jacques Coetzee** 31:24  
Well, I don't know.

 **Mikyle Fourie** 31:30  
I can't idea and so, but the quiz system file I'm just going to say that's like the that's the logic of like umm, presenting the question.

 **Eden Neave** 31:30  
We're over any fearless at those.

 **Mikyle Fourie** 31:45  
Uh.  
And then like authenticating the answer.  
Whoever becomes in charge of this one, and must also consider the question of does it need to be multiple choice or does it can we do some sort of like you enter whatever answer you want, like type it out?

 **Eden Neave** 32:04  
Talking.

 **Jacques Coetzee** 32:06  
Umm.

 **Mikyle Fourie** 32:07  
Umm.

 **Ivy Chepkwony** 32:07  
I like the idea of typing.

 **Mikyle Fourie** 32:07  
Even it's it's it's cool, but it's not, it's.

 **Eden Neave** 32:11  
The thing is, what's happening is like, yeah, you.  
Can you can have like a space after the onset and then it could be wrong or you could have a capital letter in a place and it could be wrong.  
So there's more like things you can't.

 **Jacques Coetzee** 32:24  
You could also have like a human that mocks it afterwards.

 **Mikyle Fourie** 32:27  
That sounds like a terrible idea.

 **Ivy Chepkwony** 32:29  
Yes, that's not.

 **Mikyle Fourie** 32:31  
But you know the the dream.  
The crazy suggestion here is that.  
I I think GPT has API.  
Uh, like you can use, you can use an AI as a, so it's an option.

 **Eden Neave** 32:41  
I was just gonna say like an AR thing.

 **Mikyle Fourie** 32:46  
The easier way to do that though even is though, like like you said, like the the the spaces and stuff like that.

 **Eden Neave** 32:47  
That's crazy.  
Yeah.

 **Mikyle Fourie** 32:54  
There's ways to like normalize the data after they press submit, like you can just take their answer.

 **Ivy Chepkwony** 32:57  
Yeah.

 **Mikyle Fourie** 33:00  
You can make the answer all lowercase, remove all spaces and then double check that final computed answer against the the correct answer.

 **Jacques Coetzee** 33:10  
Yeah.

 **Ivy Chepkwony** 33:10  
Umm and like on C plus or C sharp, sorry.

 **Eden Neave** 33:10  
OK, what you can.

 **Mikyle Fourie** 33:14  
Hmm.

 **Eden Neave** 33:14  
Not really the time.

 **Ivy Chepkwony** 33:16  
And I was just saying like on C sharp, I think it is and I think also Java you can do stuff like ignore case, ignore this.  
Ignore that like they're built in functions in the codes that can ignore all of those stuff.

 **Mikyle Fourie** 33:31  
Yeah.

 **Eden Neave** 33:31  
OK.

 **Jacques Coetzee** 33:31  
You could probably even say like if the answer matches like 90% you know, then it kind of takes away spelling errors.

 **Eden Neave** 33:38  
Hmm.

 **Mikyle Fourie** 33:41  
Say something.  
There's that.  
Just it feels like there's bound to be something really stupid if that's something that I kind of love that you know.

 **Eden Neave** 33:46  
Alright, yes.

 **Jacques Coetzee** 33:46  
Yeah.

 **Eden Neave** 33:50  
But I'm well.  
Maybe what we can do is then just have some questions that are multiple choice and have some questions that I'll talk in like it doesn't have to be excused to one another.

 **Mikyle Fourie** 33:57  
Yeah, maybe.

 **Ivy Chepkwony** 33:58  
Yeah.

 **Eden Neave** 34:00  
So like yeah.

 **Mikyle Fourie** 34:01  
So maybe how we maybe say like the mult uh, the the typed answers are goal.  
The multiple choice is our bare minimum success margin.

 **Jacques Coetzee** 34:13  
I like that.

 **Ivy Chepkwony** 34:14  
Yeah.

 **Mikyle Fourie** 34:14  
I I said I have a better word for that.  
For, I guess this is a in terms of like, in order for us to be.

 **Eden Neave** 34:18  
Yeah.  
What do you mean?  
I'm confused.  
But.

 **Mikyle Fourie** 34:24  
Happy with and and be able to say this is a working product.  
We at least have to have the multiple choice working if we can achieve the typed answers as well, that would be great.

 **Eden Neave** 34:32  
OK, OK.  
I got you, Russian.  
OK, here get you.

 **Mikyle Fourie** 34:38  
Yeah, I I have a better term for the minimum size.

 **Eden Neave** 34:41  
Yeah.  
No, no meaning.

 **Mikyle Fourie** 34:42  
Martin, I just have it in my I have it in my apps and notes.  
I just don't have those on my hand right now.  
So I don't know where in my abstinence it is, but it's somewhere it's I'll find it.  
Uh, this is actually crazy.  
My my my apps are module that I'm doing right now is project management so great.  
And yeah, so then, So what are the the additional features?  
That we have here and.

 **Ivy Chepkwony** 35:14  
Does a chat feature.

 **Mikyle Fourie** 35:16  
I uh, I should say that the school chat features kind of crazy.  
Uh, the school thing also goes under the quiz system, cause that can't be too hard to do. Uh.

 **Ivy Chepkwony** 35:22  
Umm.

 **Eden Neave** 35:27  
Yeah.

 **Ivy Chepkwony** 35:28  
The database.

 **Mikyle Fourie** 35:31  
And it doesn't even need to be.  
So that's a weird thing that we must think about.  
Is the database persistent beyond sessions in terms of like is there like a company leaderboard that says this guy is best in the company?

 **Jacques Coetzee** 35:45  
But that's one of the optional features.

 **Mikyle Fourie** 35:47  
Is it?

 **Jacques Coetzee** 35:49  
Like the 4th one I think.

 **Ivy Chepkwony** 35:51  
Yeah.

 **Mikyle Fourie** 35:52  
A database of users with records of matches played.

 **Ivy Chepkwony** 35:56  
Because the rating system.

 **Eden Neave** 35:58  
So is that like a leaderboard basically?

 **Ivy Chepkwony** 35:59  
Digital, yeah.

 **Mikyle Fourie** 36:01  
Yeah, because so that's again like an additional feature at the bare minimum, we should just be able to like if four people log on, they're all started the score of 0 and and then they compete, have persistent.

 **Ivy Chepkwony** 36:03  
Right.  
She.

 **Eden Neave** 36:10  
Yeah.

 **Ivy Chepkwony** 36:11  
So in here is each seven will sell master, yeah.

 **Eden Neave** 36:13  
Who?  
I think that's an awesome additional feature to have the leaderboard because it can track your progress over like that's an estimate.

 **Ivy Chepkwony** 36:17  
Gosh.  
This it's.

 **Mikyle Fourie** 36:22  
Yeah.

 **Ivy Chepkwony** 36:23  
Yeah, and it shouldn't be too hard.

 **Jacques Coetzee** 36:23  
You know.

 **Eden Neave** 36:25  
Yeah, I told you.

 **Ivy Chepkwony** 36:25  
Just sign in.

 **Eden Neave** 36:26  
Difficult.  
Yeah. Umm.

 **Ivy Chepkwony** 36:27  
It's like this open.

 **Mikyle Fourie** 36:27  
You see this one, this one recommendation here is a first recommendation feature that uses machine learning algorithms to recommend quizzes to users. That's.

 **Ivy Chepkwony** 36:32  
Yeah, but it's.  
That's crazy.

 **Jacques Coetzee** 36:37  
Mm-hmm.

 **Eden Neave** 36:38  
Let's just avoid that for that point.

 **Ivy Chepkwony** 36:43  
That's that's that's genuinely crazy.

 **Mikyle Fourie** 36:44  
It's just chat features. Interesting.

 **Ivy Chepkwony** 36:47  
Shouldn't.

 **Jacques Coetzee** 36:48  
Yeah.

 **Mikyle Fourie** 36:50  
And observer I feel like.  
The multiplayer.  
Like I think once you figure out how to make four people log on to the session and all have you know, functionality, it's easy enough to add a fifth person that can just see what's happening, you know.

 **Eden Neave** 37:04  
The same thing, yeah.

 **Ivy Chepkwony** 37:09  
So OK.

 **Jacques Coetzee** 37:12  
You know.

 **Ivy Chepkwony** 37:12  
Check.

 **Eden Neave** 37:12  
Yeah, sure.  
OK, so I'm.

 **Ivy Chepkwony** 37:15  
What about the the timed 1?

 **Mikyle Fourie** 37:15  
As.  
Ah.

 **Eden Neave** 37:19  
That.  
Yeah, that's good. Yeah.

 **Ivy Chepkwony** 37:19  
Because that shouldn't be difficult.

 **Mikyle Fourie** 37:23  
Yeah.

 **Jacques Coetzee** 37:23  
I feel like the only way that's difficult is wait, what the time?  
Do it like a timer for when you have to answer your question.

 **Mikyle Fourie** 37:30  
Yeah.

 **Eden Neave** 37:30  
Yes, that makes sense.

 **Jacques Coetzee** 37:31  
I feel like the only way that's difficult is just thinking the time.  
Uh.  
Among all the four devices.

 **Eden Neave** 37:36  
Yeah, true.

 **Mikyle Fourie** 37:37  
So that's that.  
There's always going to be some margin of error for that just because of like connection speeds.

 **Ivy Chepkwony** 37:39  
But.

 **Mikyle Fourie** 37:45  
That's not our fault.  
Uh and.

 **Jacques Coetzee** 37:47  
Yeah, but then you have to have like 1 central timer on a central.  
So or like one person's device is gonna be I have an accurate timer and the rest of them are gonna be a bit devine behind.

 **Mikyle Fourie** 37:53  
From what I understand from there I mentioned there's a we have to we should look into a fat client versus a thin client.

 **Jacques Coetzee** 38:01  
Umm.

 **Mikyle Fourie** 38:04  
I think I think that means I think what it means.

 **Jacques Coetzee** 38:05  
Yeah, yeah.

 **Mikyle Fourie** 38:08  
Spitballing here is it's.  
It's how much processing.  
Like responsibility is placed on the on the users side or how much of it is placed on client side and I think yeah and I think.

 **Jacques Coetzee** 38:21  
And the host.  
Thank you.

 **Mikyle Fourie** 38:25  
A timer needs to be like host or client side obviously, so you know.  
Worth looking umm?  
One of the bullet points here is a secure login.

 **Eden Neave** 38:39  
Yeah, that's.

 **Mikyle Fourie** 38:39  
Highly secure.  
I think that the Google API like covers that in theory.

 **Jacques Coetzee** 38:43  
Yeah.

 **Mikyle Fourie** 38:46  
Sir, that's pretty cool.

 **Eden Neave** 38:48  
Umm.  
And then also what like if you guys look at that after I told you about the trivia crack, we can also take features from that like system as well like we don't have to just stick to what he's given us.

 **Mikyle Fourie** 38:54  
Yeah.

 **Eden Neave** 39:02  
You know, we can add whatever we want.  
So if you got once you've looked at it like in the next few days, you can also just say.

 **Mikyle Fourie** 39:04  
Yeah.

 **Ivy Chepkwony** 39:05  
That's true.

 **Eden Neave** 39:11  
Ohh really like this feature and think it would be too difficult to add and we can like put that into our goals or if you guys wanna do that as well.

 **Jacques Coetzee** 39:20  
We just have to make sure we remember to tell him about it first because these are we have to confirm features with him before we add it.

 **Mikyle Fourie** 39:21  
Right.  
Yeah.

 **Ivy Chepkwony** 39:25  
Umm.

 **Jacques Coetzee** 39:27  
If it's on the list.

 **Mikyle Fourie** 39:28  
Yeah, but I I think that I imagine he's pretty loose about that.

 **Eden Neave** 39:32  
Yeah.

 **Jacques Coetzee** 39:33  
Yeah.

 **Mikyle Fourie** 39:35  
I also see here there's a bullet point for additional types of questions.  
Umm.  
Like true or false?

 **Eden Neave** 39:42  
With that.

 **Mikyle Fourie** 39:43  
It's, uh, like it's like the middle bullet point.  
It says one for different question types such as true or false.

 **Eden Neave** 39:47  
Uh.  
Alright.

 **Mikyle Fourie** 39:50  
Fill in the blank matching columns matching columns.  
That seems reasonable. Umm.

 **Eden Neave** 39:56  
Phone.  
That's cool.

 **Jacques Coetzee** 39:58  
Umm.

 **Ivy Chepkwony** 39:58  
But isn't that kind of what we already sort of discussed doing like the multiple choice versus typing in your answers?

 **Eden Neave** 40:03  
Yes, yes, I think.

 **Mikyle Fourie** 40:05  
Yeah.

 **Jacques Coetzee** 40:05  
All you know, so filling in the blanks.  
They we can make it like an anagram question.

 **Mikyle Fourie** 40:10  
Like what?

 **Jacques Coetzee** 40:12  
So then yeah, they give you scrambled letters.

 **Mikyle Fourie** 40:12  
Like scrambled letters, right?

 **Jacques Coetzee** 40:15  
You have to like write down the phrase that unscrambles the red lettuce and then you can't make a spelling mistake.  
Then there's like only one right answer.

 **Mikyle Fourie** 40:22  
Is to do that?

 **Eden Neave** 40:23  
Yeah.

 **Ivy Chepkwony** 40:23  
Ohh mm-hmm.

 **Mikyle Fourie** 40:23  
I'm so bad it sounds good.

 **Eden Neave** 40:25  
We can't, no matter the questions and like, be smart about how we make the questions in order to get the goals that they want.  
So, you know, like I think that's a really good idea.

 **Mikyle Fourie** 40:34  
Umm.

 **Eden Neave** 40:35  
What you said about the anagram thing like and then even with linking like the two like, if there's a column on the left and a column on the right, and you have to link two things to each other, that would also not be like super difficult because there's only one way I think can link, you know.

 **Mikyle Fourie** 40:53  
Yeah.

 **Eden Neave** 40:54  
So OK, cool.

 **Mikyle Fourie** 40:57  
Umm.

 **Eden Neave** 40:57  
I'm feeling about your confidence about this.

 **Mikyle Fourie** 40:59  
OK, good.

 **Eden Neave** 41:00  
I'll stressing.

 **Mikyle Fourie** 41:01  
I'm glad I wanted to mention as well.  
I have an idea of like what if light if you play?  
I guess this requires persistent scores and persistent data for users to be a thing.  
Also, this is a thing if we have the system data per user that says like.  
This is how good you are and like this is how many quizzes you've succeeded, etcetera that needs to be within a database we have right cuz Google won't hold that for us and that data.

 **Jacques Coetzee** 41:35  
Yeah.

 **Mikyle Fourie** 41:39  
Does it need to be secure?  
Is it?  
Is it that deep if the hackers acquire that I'm a pro at, yeah, the trivia about the Titanic, I don't know.

 **Ivy Chepkwony** 41:47  
Ship.

 **Mikyle Fourie** 41:50  
But it's something to consider, right?  
If we have our own separate database with user data, how important is that data and doesn't need to be secure?

 **Jacques Coetzee** 41:58  
We could just run it through like a very basic encryption algorithm, just for bonus points.

 **Mikyle Fourie** 42:02  
Rainbow table.  
Rainbow table.  
OK. A.  
Yes, sounds good.  
So I brought.  
I bring it up because I had a thought of like, what if you get like badges and you have like a profile and then other people like check your profile and then you have a badge that says, like, I'm a pro at trivia about Marvel movies or, you know, and then that's based.

 **Eden Neave** 42:15  
Umm.

 **Mikyle Fourie** 42:24  
And then we have some logic to set up like if you achieve a high enough score on a certain type of category of trivia question, you know.  
Umm, it's an but umm I think.

 **Eden Neave** 42:33  
Yeah.

 **Mikyle Fourie** 42:39  
I think for now we're we're we're in an OK place.  
I think I just wanna talk to.  
Uh, some people with some more experience about this, just to to further understand how we could break up the roles in a clearer way before we make any final decisions.  
And then I'll message you guys in this evening.

 **Eden Neave** 42:57  
I'm before you before we like, decide on anything.

 **Mikyle Fourie** 43:01  
Yeah.

 **Eden Neave** 43:01  
I would love like, I think the most thing the roll that I would feel most comfortable doing based off of what we've said is like setting up the first system, the scoring system, black finding like just just to put that out there, it doesn't have to be set in stone or whatever.

 **Mikyle Fourie** 43:08  
Hmm.  
OK.

 **Eden Neave** 43:23  
Like you said, we can speak about it and I don't mind changing that role at all.

 **Mikyle Fourie** 43:28  
Sure.

 **Eden Neave** 43:28  
Umm, but just I think that's where I'm leaning towards and I think I would be better suited for that kind of that coding.  
And then also like the designing of the questions, if that makes sense.

 **Mikyle Fourie** 43:45  
For sure.  
Umm, appreciate that, but yes, I'll I'll clarify with you guys as soon as I can about what I think is a like sections of roles here and then we can we'll decide who takes up what role.

 **Eden Neave** 43:48  
So.

 **Mikyle Fourie** 44:07  
Umm but yeah, and is there anything anybody else wants to talk about and cover today? Umm.

 **Eden Neave** 44:17  
So to day are we not?  
There's nothing really we can start doing it because we don't know our roles, we don't know.  
What's what we're doing really?

 **Mikyle Fourie** 44:27  
You also.

 **Jacques Coetzee** 44:28  
Ohh, I guess we can, uh.  
Make sure everyone has the same software and Python version and stuff, just like have everything installed on your computer.

 **Mikyle Fourie** 44:34  
Ohh yeah.  
So let me check.  
So I like I said on the group yesterday.  
I just use VS code.

 **Eden Neave** 44:42  
Hmm.

 **Mikyle Fourie** 44:43  
And in envious code you can just install umm extensions and so you can stole Python as a language.

 **Eden Neave** 44:47  
Posson thing, yeah.

 **Jacques Coetzee** 44:53  
But you still need to install it on your computer, so I'll be able to run it.

 **Mikyle Fourie** 44:59  
Do you?

 **Jacques Coetzee** 44:59  
Like this multiple Python engines.

 **Mikyle Fourie** 45:04  
Uh, the Python language for all active stably supported Python versions providing access points?  
Extensions no tell a sense debugging format.

 **Jacques Coetzee** 45:15  
Like, OK, if you open your CMD like you come in.

 **Mikyle Fourie** 45:19  
Huh.

 **Jacques Coetzee** 45:22  
And just type and just type PY and you'll see what files and you have installed, if anything.

 **Mikyle Fourie** 45:22  
Say in the server.  
Where?

 **Jacques Coetzee** 45:31  
Like in a command prompt, just type PY yeah.

 **Mikyle Fourie** 45:35  
PYOKPY.

 **Eden Neave** 45:39  
OK, then whence you've Gaza?  
Figure out which path thing you have.  
Let us know what we should download so we don't make the same like, yeah.

 **Jacques Coetzee** 45:44  
OK.

 **Ivy Chepkwony** 45:44  
Yeah.

 **Mikyle Fourie** 45:48  
Is not recognized shock.  
You lie to me.

 **Jacques Coetzee** 45:50  
Yeah.  
So you don't have Python on your computer.

 **Mikyle Fourie** 45:52  
This guy, this guy.  
And I have a link yet that says all supported Python versions.

 **Jacques Coetzee** 46:03  
If it you still needed on your computer.

 **Eden Neave** 46:05  
What does that mean?

 **Mikyle Fourie** 46:07  
You need to.

 **Jacques Coetzee** 46:07  
Like like like if you if you have the extension on VS code you can write code in Python right?

 **Ivy Chepkwony** 46:07  
But isn't it like downloading?

 **Jacques Coetzee** 46:13  
But you can't run it on your computer if your computer doesn't have Python installed on it.

 **Eden Neave** 46:14  
Yes.

 **Mikyle Fourie** 46:18  
Yeah, like you could write, you could.

 **Eden Neave** 46:20  
So how do you download Python?

 **Mikyle Fourie** 46:22  
On.

 **Jacques Coetzee** 46:22  
I honestly don't remember.

 **Ivy Chepkwony** 46:24  
But can't you just write run it on the command? See.

 **Eden Neave** 46:24  
And what is that?

 **Jacques Coetzee** 46:24  
I will.  
Not if you don't have Python installed.  
That's what the PY thing right?

 **Mikyle Fourie** 46:32  
Yeah.

 **Jacques Coetzee** 46:32  
So you'll you'll say PY run, but Michael doesn't have Python installed, so it doesn't recognize PY as a command.

 **Ivy Chepkwony** 46:39  
Oh, you mean like how?  
OK.  
No, I see.  
What you mean?  
I see what you mean.

 **Mikyle Fourie** 46:42  
So like I mean you could run it in theory and compile it in the you could run it and compile it in the IDE, but you couldn't run it outside of the ID.

 **Ivy Chepkwony** 46:46  
Yeah.  
No, I understand. Yeah.  
VS code, yeah.  
Yeah, yeah.

 **Jacques Coetzee** 46:55  
Yeah.

 **Mikyle Fourie** 46:56  
OK, sure.  
Bro has got 368.

 **Jacques Coetzee** 46:58  
Like you couldn't build it, for example.

 **Mikyle Fourie** 47:04  
3.6, point 8.

 **Jacques Coetzee** 47:06  
That's what I've got.  
I've I've, but we can maybe just use the newest one.  
I don't know what the newest one is.

 **Mikyle Fourie** 47:09  
I just say I think I think that's late.  
Ohg, my God, look at.

 **Jacques Coetzee** 47:13  
Umm.

 **Mikyle Fourie** 47:13  
Look at this thing that I just found on the Python website.  
Sending it to the chat.  
Umm.  
By the way, we can change the the team name again this this vented guesser thing is just a joke.

 **Eden Neave** 47:25  
It's just.

 **Mikyle Fourie** 47:31  
On the board.  
Yeah, Andre just wrote down our team names as Team Simone and Team Michael and I was like, no, let's let's get team names, please.  
I wanna be team instinct from Pokemon Go.

 **Jacques Coetzee** 47:44  
This.

 **Mikyle Fourie** 47:45  
The \*\*\*\*\*\* like the yellow team, you know?  
And but, uh, what did we say?  
Paddle.  
We would get a paddle name.

 **Eden Neave** 47:52  
Have you puzzles?

 **Mikyle Fourie** 47:54  
Paddle puff girls is crazy.

 **Jacques Coetzee** 47:56  
I love that.

 **Mikyle Fourie** 47:57  
That's it.

 **Ivy Chepkwony** 47:58  
Hmm, is that our team name?

 **Mikyle Fourie** 47:58  
That's it then.

 **Jacques Coetzee** 48:00  
Ohh yeah, my python's owed boys.

 **Ivy Chepkwony** 48:01  
Officially.

 **Mikyle Fourie** 48:03  
Yeah.  
I was about to say you buy them quite old according to according to the city.

 **Jacques Coetzee** 48:06  
OK, it's been a minutes alright.

 **Mikyle Fourie** 48:10  
Yeah.

 **Jacques Coetzee** 48:11  
In a hot minute.

 **Mikyle Fourie** 48:12  
According to to this diagram thing umm, it seems like the most recent version that is supported. Uh.  
See, I don't know what it means by bug fix and security.

 **Jacques Coetzee** 48:30  
Philly, like on the website, you can see the latest stable build.

 **Mikyle Fourie** 48:34  
I think I think the ones that say security are.

 **Eden Neave** 48:35  
I don't know.

 **Jacques Coetzee** 48:39  
And then we also have to double check that Jango works with it and all that.

 **Mikyle Fourie** 48:45  
What even is a Django bro?

 **Jacques Coetzee** 48:47  
Well, it's.

 **Ivy Chepkwony** 48:47  
I don't know.

 **Jacques Coetzee** 48:48  
It's that movie, isn't it?

 **Mikyle Fourie** 48:50  
I know you don't want it.

 **Jacques Coetzee** 48:51  
It's the.  
It's that western full.

 **Mikyle Fourie** 48:54  
Everyone only talks about the second one.  
Django is a high level Python web frame framework, rapid development, clean design built by experienced developers.

 **Jacques Coetzee** 49:06  
Yeah, honestly, that website intimidated me because nowhere does it like brag about being easy.  
It just bear brags about, like how much it can do.

 **Eden Neave** 49:13  
High level.

 **Jacques Coetzee** 49:14  
Yeah, you're gonna struggle to learn it, but it's it's useful.

 **Mikyle Fourie** 49:15  
Uh.

 **Ivy Chepkwony** 49:19  
Then surely it's compatible with the latest versions and stuff?

 **Mikyle Fourie** 49:23  
The yeah.  
No, it's just what is the latest version since stuff.

 **Ivy Chepkwony** 49:25  
I'm sure it will work.

 **Jacques Coetzee** 49:29  
3.12 I see 3.12 on the website.

 **Ivy Chepkwony** 49:29  
Ohh, you still haven't OK.

 **Mikyle Fourie** 49:31  
Well, although on the on the, on the Python website.

 **Jacques Coetzee** 49:33  
That's April 2024.  
That's that's literally.  
Yeah, python.org.

 **Mikyle Fourie** 49:42  
Yeah.  
Umm.

 **Jacques Coetzee** 49:45  
But.

 **Mikyle Fourie** 49:45  
Let's see, they have a download page.

 **Jacques Coetzee** 49:47  
Yeah.

 **Mikyle Fourie** 49:49  
3 point 12.3 April 9th, yeah.

 **Jacques Coetzee** 49:52  
Yeah.

 **Ivy Chepkwony** 49:54  
3.5 or 4.12?

 **Jacques Coetzee** 49:54  
There's something about Jango here 3.

 **Eden Neave** 49:57  
OK, just figure it out and let us know because I don't know what's going on right now.

 **Mikyle Fourie** 50:01  
I yes, yes.

 **Jacques Coetzee** 50:02  
Would do it and Django got an update literally actually in two days from now is going to get an update.

 **Mikyle Fourie** 50:09  
Where do you see that?

 **Jacques Coetzee** 50:12  
It was also in the Python website like one of those little hyperlinks.

 **Mikyle Fourie** 50:17  
Python website has a hyperlink for Django.

 **Jacques Coetzee** 50:20  
Yeah.

 **Mikyle Fourie** 50:22  
Then they're locked in.  
Over here, man.

 **Jacques Coetzee** 50:25  
OK, but yeah, let's research all the versions and everything they made and then send it all the groups.

 **Mikyle Fourie** 50:31  
Umm, sounds great.  
Uh, good luck for the rest of your day, guys, so I have.

 **Eden Neave** 50:38  
19.

 **Mikyle Fourie** 50:39  
So I have that too to session thing from 2:00 to 5:00 or so.  
Umm.  
And I hope to God I'm not busy until 5:00 AM because they've had this lab since before the break.

 **Jacques Coetzee** 50:45  
Ohh.

 **Mikyle Fourie** 50:53  
So hopefully they're mostly done with it, so I can just touch base and and learn while I'm there and then uh, I do have gym like almost immediately after, but I'll try my best to to touch basically you guys as soon as I can.

 **Eden Neave** 51:09  
Perfect.

 **Mikyle Fourie** 51:10  
Cool.  
Thanks.  
Thanks for coming.  
Uh, catch you soon.

 **Ivy Chepkwony** 51:13  
August.

 **Eden Neave** 51:15  
Yeah, we'll chat about.

 **Ivy Chepkwony** 51:16  
Yep, bye.

 **Eden Neave** 51:17  
OK.

 **Mikyle Fourie** 51:18  
OK, cheers.

 **Eden Neave** 51:18  
Bye bye.  
See you at school.

 **Mikyle Fourie** 51:19  
Have have girls \*\*\*\*\*.

 **Eden Neave** 51:22  
Ha.

 **Mikyle Fourie** 51:23  
Like.