

TRANSCRIPT OF 19TH OCTOBER CLIENT CHECK-IN MEETING

COMPUTER SCIENCE LEARNING CENTER WEBSITE PROJECT

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Austin The recording is live last time. It was 11 pages of transcript. Let's see if we can

Nolan So we talked about using the rest framework yes, and I built that out so we have like the back end is all restful

Nolan And just use this it's pretty cool. I've never done that before so it's pretty fun to actually write the API stuff is it

Kyle AWS or is it so with hosting it?

Nolan Okay, but the Django rest oh, yes

Nolan Yeah, so the you can like I've written all the endpoints for it so all the URLs work

Nolan I can query stuff perfect

Nolan Which is pretty pretty cool to write yeah, and then we did all the react front end stuff

Nolan I'm still working on that just because

Nolan I've never done react before so I've had to learn react and it's like I

Nolan Don't like JavaScript to begin with and it is like JavaScript, but

Nolan Worse, it's very there's like things that just don't make any sense in it. Have you ever used it before I?

Kyle Don't remember if I've used react. I mean I've used like no JS. Okay a little bit

Kyle So I mean I have familiar

Kyle Familiarity with certain types of JavaScript, but I don't know

Nolan React necessarily okay.

Nolan Yeah, there's just things that don't make any sense like there's a there's like state like each component has like

Nolan Components just like any aspect of a screen essentially like you could have anything

Nolan Component and they could have state so like whether they're like on or off

Nolan But state isn't

Nolan saved through page refreshes

Nolan Which I guess would make sense

Nolan And then there's also

Nolan Yeah, so there's a couple different ways that you could do that, but state also does not get

Nolan Instantly updated so if you call the update function on the state what gets shown on the screen is the previous state

Nolan That was not updated so I'm trying so the thing I was facing is you know when you're typing a ticket

Nolan You can only submit X amount of characters

Nolan I was sent to like a thousand twenty four right now

Nolan And while they're typing you know like Twitter will have the thing with a like countdown

Nolan Yeah, he's to at least I haven't used Twitter in a while

Nolan I was adding that and it was showing the previous count so

Nolan I would type something it would still say

Nolan 1024 and then you type another

Austin It was updating the last one yeah, it would show the last one which was

Nolan Pretty tough to figure out and react does not make that very easy

Austin I feel like that would almost be better to have a JavaScript

Austin Running in the page on the client side rather than have server communication on that

Nolan Yeah for some small things like yeah, yeah, and there's we use feet for it instead of woodpeck

Nolan So there's some things that get rendered out that way

Austin I have dealt with some front-end rendering because there was a remote code execution

Austin I've been working on for a while and the way they do that is they have an object. It's called double underscore view state and

Austin You you hold that basically cookie on your machine

Austin And then anytime you send a get or a post or anything to that host

Austin You serialize the data and then encrypt it with a public key

Austin which

Austin That's practice should be instantiated when you can create a session it creates a new private public key

Austin You encrypt it with public key and on the server can decrypt it you don't do it properly you get remote code execution because you're

Austin deserializing actual data and it

Austin Becomes a very big issue very quickly, but if if we do it right, that's what I've seen done, and that's by Oracle

Nolan Mm-hmm that was actually a lot of people didn't use the rest framework at the Django one at first

Nolan That's what that was a problem that they had was that exact thing

Nolan But they fixed it now obviously

Austin They'll come in and fix all the issue you've run into that is if you have dynamic keys determined by session

Austin You have a cluster of servers and there's inter server communication

Austin they can't have dynamic keys and so then you have to have a static key and

Austin A lot of times what ends up happening is software companies push out

Austin Software and they populate it with a predefined key and then people build up these instances and then don't

Austin Rotate the keys with the session and if they leave it at the default, then you can deserialize it and payload it

Nolan Yeah, the other group did they had session keys and I'll probably just use what they had they had

Nolan They had 30 minute session keys, which I feel like is pretty I think that's what the old

Nolan Portal had was it might have I don't remember there was something about the old portal

Nolan I've been trying to remember and I cannot remember like certain aspects of it

Nolan But

Nolan Yeah, we got the Django stuff built out and it's been a that's been a hurdle just good said

Nolan Yeah, that's something I've never done before and I didn't like JavaScript to begin with so

Nolan Yeah, yeah

Nolan callbacks

Austin Only through Linux. Yeah. Yeah, there's

Nolan Basically everything with the state is it I mean the way to solve that one the thing I was talking about was

Nolan Callback functions because all the state like whenever you saying like set the state

Nolan Asynchronous call to set it. So yeah, like a

Nolan Fetch or promise or whatever where it's just saying oh this is gonna happen at some point

Nolan But you don't know when so you can't count on the state being

Nolan updated which is just that was another thing with getting the

Nolan The API calls and stuff. That was also tough because it's all promise-based and I had no

Kyle It's all it's all more more more event based in general. Yeah. Yeah

Nolan So that was something I had to learn was promises and the concept of you know

Nolan It's not actually there. It's just a promise that it will happen

Nolan So I was like, why is this not updating and I had I asked clip because clement experience with it

Nolan I think then why is it's not updating and he's like, oh cuz it's just a promise that it will happen

Nolan You're never like actually not calling that promise. But like yeah, I guess calling that promise. I'm like

Nolan But we got it we got it working with all the promises and stuff and then we have a

Nolan The

Nolan Download thing is working, but it's using a library that was last updated in 2022. So I'm not like super

Nolan stoked about that just because with this like

Nolan Another thing I mean, I'm just gonna bash on react the whole time when it changes so often that you know

Nolan A year feels like forever. Uh-huh. Usually I feel like a year shouldn't make that big of a difference

Nolan But I feel like it makes a huge difference with this

Austin It depends on what kind of open-source project notepad plus plus

Austin Once every three months that is fine with me, but like all the the web things like angular react

Nolan They're all and they all instantly change and they change it. Yeah. Yeah. Sorry CI CD. Yeah

Nolan yeah, there was a there was a

Nolan One thing I was using for this that hadn't been updated for two years and I didn't realize that I built it all into the

Nolan Application with like a rich text editor in the ticketing system so that people could put in code blocks or whatever. Mm-hmm

Nolan I was like, okay, let me see

Nolan You know, there's an issue. So I was gonna post it on github and I was like there are

Nolan 1020 issues on this github page. I probably should not use this. So I got rid of it

Austin I got hit by the lottery bus. Yeah, they got hit by they didn't want to do open-source anymore probably because

Nolan There was too much work before

Nolan Oh, so the current courses I was thinking of a way that we could I haven't reached out to the

Nolan Department downstairs yet. Okay registrar's but

Nolan Is there like any data that you want like seeded into the database by default?

Kyle We could do it that way, okay because we could essentially just take

Kyle The list of courses that we see the database to start with

Kyle Because we could come up with that

Kyle Like I could even you know

Kyle Or one of you could just pull like a list of the courses. Okay in general because that's what I've been doing

Nolan It worked now just in like development just to test things. I've just been using like faker which is like a JavaScript thing

Nolan Just fake data

Nolan But that's obviously not really good for production because you don't want random professor names and stuff

Austin I still have that listed as like a stretch goal

Austin But I already started pre populating the report saying this is future work

Austin And we haven't really scoped it yet because I don't know that the register has any structured data for it

Austin So I mean at least not public I know that the downstairs

Kyle Because I think it was last semester there. There was a team capstone team that was working on a scheduler

Nolan Oh, that was yeah, Ethan did that wasn't Ethan. Yeah, he did that and there was another group

Nolan They did it last semester, but they didn't finish it. Oh, okay

Austin It's a reoccurring topic to try to write genetic algorithms to book rooms for classes and to that's the toughest do all of that stuff

Austin Yeah, every three years they come back

Austin We need a new genetic algorithm and they take a non bioinformatics major and they say why don't you do it?

Nolan Yeah, I don't know how to do that. Best best match stuff like that. That's what I was trying to do

Austin It's genuinely higher-level

Austin bioinformatics because all of their algorithms are heuristic because if you try and do

Austin Computational algorithms that are well definite then get into computational issues very quickly. I mean, that's that's a machine learning issue

Kyle I mean as well and so it doesn't always have to be bio

Austin Most of those algorithms aren't even machine learning they're

Austin They're holistic and heuristic algorithms

Austin but

Nolan Like that's a I don't know

Kyle I remember in what I I don't know if the AI class now still does it but I know when I took it

Kyle We talked about like heuristic algorithms and work with others. Yeah. Yeah

Nolan Yes, I don't know I think so the way that they got it

Nolan I think it's something that was a big CSV that they had or a JSON. Okay, either which I mean

Nolan They're both easy to go through

Kyle Yeah, I mean and we could honestly I could just go on I mean after here

Kyle I could just go downstairs and try and talk to Carly

Kyle And see if like what she uses for it if she just has like a big file

Kyle Okay, that like she could just even just send me every year and then yeah every semester

Nolan I'll be honest to have so I could test and just test loading data in from that and it and if there's a

Kyle possibility then we could make it so that like

Kyle Upload a CSV when you want to create a new semester and then you could just go through that data

Nolan Yeah through the data be perfectly the only thing I was pivoted to other tables probably. Yeah, I was thinking and

Nolan Yeah, you could do that based off of this but like if there's professors, you know

Nolan We load all the professors into the database and some professors let's say like I know Santos isn't teaching C

Nolan I don't know if he's teaching anymore. But right now I don't think he is

Nolan Yeah, so like if or if a professor were to leave I

Nolan Don't know if you would want those deleted from the database entirely because I don't know

Nolan I mean, I think it's fine to leave them in especially because then you you can keep legacy data in yeah

Nolan I was wondering I was worried about losing like relationships like

Nolan So it's fine to leave it in okay, probably

Austin What you'll do is it'll be class

Austin section teacher

Austin and then you'll have

Austin Fall or spring and then the calendar what it and then you'll filter if you're gonna populate a form with a ticket

Austin It's gonna be current semester. But if you're gonna pull historic data, you're gonna pull

Kyle The way that I think the the old database was set up was that it was all based on

Kyle Semester and so like you would have to recreate a class every semester because it didn't have that information

Kyle So it depends on how you want to do it if you want to base it on semester like that

Kyle Or if you want to base it on class and then add a new semester with a new professor

Nolan Okay up to you on how you yeah right now. I have it as like sections a section

Nolan We'll store a course ID professor stuff like that and it has a semester in it as well

Nolan just as like an enumeration class, but

Nolan We could do the other way that's the way that they did it before that's the way they've worked

Nolan So I'll probably just stick with that and I don't know too much about database design

Nolan So that's all I never took like a class. I didn't help you. There's something like this. It's

Austin Not terribly difficult and there's there's no real concern. You're not dealing with such large data

Austin Yeah, it matters. But if you want to get into the relational algebra just to look cool. I can teach you that as well

Nolan Yeah, I just don't want to lose

Nolan Like have something get deleted and then that propagate and delete everything and the database like everything's like an on delete

Austin So just just make a backup of the database and then we can quote unquote normalize

Nolan Just right through to another database and then you know right through to three other databases just for data redundancy

Nolan So, yeah, we got that and then I guess with the

Nolan Courses, I'll be really cool to have just so that we could test it. Yeah, I can I can talk to currently about that here

Nolan Okay, cool. Yeah, just write like some sort of script that would go through and

Nolan Do that

Nolan Loaded into the database and stuff and I get if it is based on semester previously

Nolan I can just rewrite what we have now to do that except my makes more sense. Anyway, I

Nolan Don't know the way the last group did it. I was going through all their models and stuff. It looks like they I

Nolan Think they did it based off semester two from what I could tell them because they

Nolan how everything was linked to a semester but is that because I think

Kyle Because I because I know that Clem was really familiar with the system

Kyle So I wouldn't be surprised I know Clem talked to like Jean as well. Okay, she had been working on stuff. So yeah

Nolan yeah, there's there when it comes to like the semester was it like

Kyle Was it just spring and fall or some spring fall summer, okay

Nolan And then do you want to do like a J term or no, I

Kyle Don't know how long if that's not like I mean it sounds like it might be sick. Oh god, there's a whole thing

Kyle We might be going down to 14 weeks

Kyle Semesters really?

Kyle We're technically at 15 and then the 16 is the finals week

Kyle but we might be losing a week in each of our semesters and just because they want people to be more stressed or

Kyle Because we're going down to try and keep the J term and also expanding the summer and right now the schedule for I think

Kyle 2026 as the current schedule stands doesn't work. So they're like we need to make some sort of change and

Nolan Term that's the change

Kyle See apparently it's been good for you. I know

Kyle Really Lincoln and Carney hate it, but it's been good for you

Austin But I like this so my critique is there's nothing you can teach me in three weeks that I will retain

Austin Three weeks after that. Yeah, they were teaching a calculus class during J term

Nolan They were saying this is not enough to learn calculus

Austin It is because when I was in my freshman year, I did calc 3 in 28 days and that includes weekends

Austin So it was 20 days at least count three was

Nolan More fun than how to play it is cuz like I know they teach oats here or zaps intact. Oh, yeah

Kyle I think that's about the only thing we can teach other than like

Kyle Hey, we're gonna teach you like a random programming language that maybe you're interested in

Nolan Yeah, it could be cool for stuff like like fundamental or like yeah, like stuff like

Austin I can't honestly tell you the last time I have done calc 3 but be how do we even do it anymore?

Nolan They should do I guess they already do have summer terms. Yeah. Yeah, it's just like glorified summer

Kyle Well, it will essentially what the idea with summer is then if that summer will be the same length as fall and spring

Nolan Oh, so they're not gonna do I like sections anymore. There's gonna do well

Kyle You could so we have trimester could still do sections in summer

Kyle But the idea would be that it could be a full end of the plans. I'm just sorry

Kyle I don't we don't need to have this on them. Oh

Austin Sorry, sorry. Sorry. Sorry. No, it's all good. It transcribes automatically. So I just touch it up

Nolan Okay, that's interesting. Yeah, I think the first time I was here was like 16 weeks or something

Kyle It was it was originally a 13 week summer

Kyle with

Kyle As far as summer courses 13 weeks summer with ace with a one week break in the middle and then to six weeks on

Kyle other side and now it's just 12 week which with the to six weeks no break and

Kyle Now with J term we've lost the break before between spring and summer. We just didn't have a break week this year

Kyle Which is fun. That's insane. Yeah for the professors

Nolan I mean, it seems like from what I saw like in the discord

Nolan It was like it was like no turnaround like it just like relax a little bit after grading

Nolan It was like the week after things like guys. It's literally no break. That is fun

Kyle But yeah, so I I don't know about J term I mean

Kyle Honestly, they don't even consider J term a separate semester. Currently they consider it spring semester J term

Kyle Okay, so so we could just throw it in spring semester. Okay, and so we don't think you need a separate

Nolan Okay, cool

Nolan And if something did need to change I guess it won't be hard to change the scheme I just to support like

Nolan Spring

Nolan So, let's see I've got I

Nolan Guess I'm going to show you what we've got so far

Nolan So we have

Nolan This is just a default like landing page and then this is like this is all

Nolan Not everyone would see this right? Yes, you were an admin you would see that

Nolan And if you were a student you would have a second one is just called

Nolan Like general I mean they have a place to submit a ticket

Nolan And then like look at the zoom hours and stuff like that. All the elements are are back

Nolan Yeah, and then so on like the admin panel, you know, you have your dashboard where you would see everything

Nolan So this is just dummy data right now, obviously, but you'd be able to select up here like a time frame

Nolan So you'd say okay. Well from this length to this length

Nolan I want to see the amount of tickets closed how many were open success and then you know a breakdown of that

Nolan And then I guess here would be the same thing

Nolan I've really touched this part too much just because I want to get feedback a little bit. What's the what's the tutors tab?

Kyle What would that miss?

Nolan So what I was thinking is that would show active tutors like ones that are right now because down here

Nolan You would also have a tutors tab, but then my owners my thinking here would be this would be like where you would assign tutors

Nolan Like give tutors their

Kyle Tutor privilege. Yes. Yes, because because right now because the way that it used to work

Kyle Is that there was like a place to Oh enter in an email address or whatever and then give them okay tutor privileges

Nolan Yeah, see that's I was thinking like we could do that here

Nolan Sure, and then here you would be able to set the hours for the CSLC if you want

Nolan Sure, and then these are just two placeholders because I haven't I thought about what else to put here. Yeah, they're

Kyle So if you go back here to home

Kyle Okay, so that announcements that would be something that I could set as it I haven't been as well yeah

Nolan Yeah, so right here you'd be able to set your announcement so you could say like oh I want to put my like that the

Kyle Title the well because what what I used to do is I would set an announcement every time that we were

Kyle Closed for a break or something. Okay

Kyle We haven't been able to do that because it's just a bit weird now on the website

Kyle But I just set them all at the start of the semester. But okay

Nolan Yeah, so you'd be able to say like, you know fall break and then closed for that. We

Nolan I was working on this at like 3 last night. So don't know if this is still gonna work. This was okay

Nolan Yeah, that's just my default like page right now. Please don't burn yourself. Yeah. Oh, no, don't worry

Nolan but yeah, this is the one that I was trying to

Nolan Fix last night where I'm typing up you can see it's not working at all anymore. Oh

Nolan I see. Uh-huh. When I change the state I change the state of this. So this is it

Nolan Oh, so when I select one of these, you know, you have general informative alert warning. Okay, so if I

Nolan Click on it now, it's not gonna work

Nolan It's probably gonna say that I'm trying to access a state that doesn't exist

Nolan I'm trying to change the state or update it to something

Nolan Sure, and then you have your date range to it. You could say like I want it to be displayed

Kyle Yep, only between these dates. Yeah, great. And then you could say here if you want those dates to be shown actually on the announcement

Kyle Okay, cool

Kyle You know if that that ever needed to happen like we're gonna be closed. I'm sorry. I just I just I just recognized

Nolan So what's that? Oh, it's like I like the feature of get help where you can see who did something

Nolan I was like thinking in my head. Oh, well, what if someone came in and they're like, oh I had this ticket on this day

Nolan But I don't remember who it was, but it was horrible and you're like, oh, okay

Nolan Let me go right now. There's nothing there

Austin You made a blame. Yeah, it's like it's a blame panel

Nolan I mean, we don't have to keep that. I just I love that feature on get because it's so it's like it doesn't lie

Kyle It doesn't lie. We we maybe want to rename it

Kyle But but I I'd like the idea. But yeah

Nolan Yeah, so yeah, we can we can change the name. I just kept it like that cuz I

Nolan Just love you like I think it's awesome and then this is the download thing. So you can see here

Nolan By default, it's like everything I want and that's the way that you had it. Also like the URL student email first and last name

Kyle Oh, yeah, can we had shoot? I don't remember if I included it

Kyle Can we add online to this because I forgot that was one of the things that I wanted to also yeah

Nolan Totally this is super easy to change around to and then also one of my favorite is this one

Nolan So custom lets you select anything

Nolan So let's say you only wanted a certain professor or a certain section

Kyle I mean just the section the section and course thing is something that happens all the time

Kyle Like I'll have a professor asked me. Hey, how many students come in for this course?

Nolan So so and then you could select I guess this would maybe make more sense also to have one

Nolan I was like a certain semester. Yeah, I only want it from the 2nd of October to you know, the 28th of October

Kyle Yeah, I mean, I I think that day range could work

Kyle But I think having an option to have it be a semester would be nice

Nolan Well, that would be super easy to add and then this, you know, you can export as a CSV in Excel or XML

Nolan And this is just by default the name that it's just the date the words

Nolan It just updates each day. Obviously

Nolan And then this one this will be cool. I haven't added it yet, but this will essentially allow you to

Nolan say

Nolan Instead of I might switch these two because custom this seems more like an entity based than custom and then this one

Nolan Because what I was thinking is you could say you could type your own or not type your own but access your own a like API

Nolan link because basically with the API you can like obviously do like the question mark and then say professor equals my professor name and then

Nolan Some section and then sure pull all that data just by the way that is querying it

Nolan These are the two that

Nolan Important and if I have time, okay, I'll do that. Sure

Nolan So yeah, then under the settings, I guess where you went over that and so for the tutor panel, you have the dashboard

Nolan So it's very similar. I right now they're not padding

Nolan I was working on this because I'm probably gonna make this only I just called it pulse

Nolan Another github thing because I just like that sure and I was thinking this could be 24 hours

Nolan So it'll show like the total tickets over the past 20 and they can't change this because I don't want them to be able to

Nolan See, you know two years worth of data. Yeah, you know to it or trying to crash the database every two seconds

Kyle Yeah, I think 24 hours is good

Nolan Yeah, so it'll show them their total tickets close and just in that amount of time and then here

Nolan I'll probably get rid of this total ticket overview. I might keep recent stuff, but yeah, but I I like the idea of the recents

Kyle especially because you know, sometimes we'll have someone who like

Kyle Comes back in or something and you're like wait. Wait, what happened there? Yeah

Nolan But yeah, I'm just trying to think so right now what to put here, but here this is cool

Nolan So I have populated database. You can see these are just be a brand them. Yeah. Yeah, so these are actually names

Nolan It's just these are the ID IDs of the news. Yeah, so I just need to when I'm serializing the data

Nolan I found that last night that when I'm posting

Nolan Serializing is different than what I'm getting so I have to write the serializers

Nolan But again the post because I was like why this post was working last night then I serialized it now

Austin It's not working. Is there not an innate serialization function that you can use writing your own there. They have one

Nolan That's called like, you know model serializer or something

Nolan But whenever you're trying to serialize the strings because these are all foreign keys, so they're like relationships

Nolan So it's just getting the ID associated with those

Nolan So that's what it's showing on the page

Nolan It's when I'm trying to make that post request

Nolan It's trying to take in instead of the ID which is what I need to send in

Nolan It's trying to take in the actual string of the professor, which I don't want to send

Austin So you're not serializing you're sanitizing in the no no and from getting it

Nolan Yeah, I'm serializing from the database to

Nolan From database to JSON sending it and then from this way it's going JSON back to

Nolan Whatever is going into the database. So with the post, I don't know

Nolan That's the one I have to fix because that's the string issue that's happening right now

Nolan And then yes is just paper data. So you can see there's an error right here. Cuz

Nolan This will never happen

Nolan And that's why you see like you shouldn't be seeing this because this once you make a ticket actually in the order

Nolan But there's a section to make the ticket and this gets auto populated

Nolan So these are right now these are just like

Nolan Empty and they don't okay functionality, but I'm thinking

Nolan If I'm trying this is what I was trying to think about with the old system

Nolan I don't remember the process of claiming a ticket. I think yes opened up

Kyle So it opened up like the edit screen of the ticket like you could do this differently if you want to but what it did

Kyle Is it opened the edit screen of the ticket and then you would have to go down and then like find your name in?

Kyle The list of tutors and put your name in for in the claim box

Nolan Would it be cool if I just said like here if I just the person pressed it and pressed it

Nolan Oh and said like you are gonna claim the ticket as then the person saying that. Yes. Yes

Kyle The one thing you might want to account for though is multiple people claiming a ticket because if you know multiple people end up helping

Kyle That might be something to consider as well and then

Nolan Yeah, and then someone can close the ticket without having claimed it as well because I know there's situations. I'm sure you're familiar where

Kyle Students like help someone they finish up but then they're like they're leaving and they forget to close the ticket

Kyle But then that person's gone

Kyle So someone else can go in and like close the ticket for them. Okay. Yes kind of the idea

Nolan I guess once they're in the section where it's open or you're going to close the ticket

Nolan Maybe it opens up a more comprehensive thing

Nolan It says like, you know, then you can slap the primary tutor or the assistant to the secondary whatever it's called

Kyle Yeah

Kyle I mean I and I'm even fine with having not just primary and secondary like if you want to have more even more people on

Kyle I think that's fine. You can even just have that as like a list and then you like list the tutors on it

Kyle Okay, instead of having separate

Kyle Pieces of the database the separate columns. You can just have like a single column then just like yeah populate with that whoever totally

Nolan Yeah, we can do that. That way they could just select any arbitrary. Yeah people that helped

Nolan And yeah, I guess you could then trace back those tickets to the

Nolan So yeah this so I guess on this first page this would just be like a claim and then instantly

Nolan Claim it or show some modal. I sure it would be more comprehensive if you're trying to close it

Kyle Yeah, especially because then close you want to account for the potentially I mean potentially the time taken

Kyle I mean that could be automatic though when you close it

Kyle But then you do want to figure out that successful on successful. Mm-hmm. Yeah. Yeah, and actually if I

Nolan So, let me let me go here real fast and go to the

Nolan It's gonna go to the admin page

Nolan Or this is like the Django admin default screen so if I go here

Nolan and then if I go to tickets and I say that this one was

Nolan completed started and was successful and I

Nolan Say today

Nolan Now today now say I go back here

Nolan Refresh it should show right? Okay here. So

Kyle What's it going closed yeah, oh yeah so close right now open and close should be no

Nolan But yeah, it will show and I did add a feature here I go back

Nolan Oh my gosh, there's so much

Nolan That thing at the react projects are just they have so much code cheese, so I go

Nolan Should be something here. I had it. So if it was successful, I guess I could just tell you that's a new screenshot

Nolan If it was successful, so it'll say, you know, these will get populated down so it might look that's something like this

Nolan Kind of looks weird all the way the top

Nolan So I don't think it might start at the bottom and they get pushed to the top

Nolan Progressively because this gets filled down all the way. So this will say claimed by and that's like their idea

Nolan Yeah, and then it'll say closed at and then a time time and then it'll have either a little check mark or an X

Nolan Oh, sure. I'm sure just saying if it was successful or not. Cool and then

Nolan Under

Nolan Schedule that's there's nothing there yet

Nolan We actually I do have this implemented like a table that shows everyone's times that they work

Nolan But I just don't have it here because I had it as a different view and then change that

Nolan And then this is the zoom thing. This is pretty cool. I think that this could work
Wow

Nolan It's working right now if I were to say that I'm an active tutor and I'm working this would show up instead of red

Nolan It would be green and say one tutor. Oh, yeah

Nolan And then this is just a zoom like obviously I wanted this to integrate like actually open zoom, but if you go here

Nolan It'll just like sign in sign ins. Yeah

Nolan Yeah, I'm not too there's like an SDK you could use to like integrate zoom into the browser and I was like that is too

Kyle Yeah, that's too much. And then ours this also

Nolan It's it's working. It's just if you were to look it's probably gonna say that there's a API error because yeah, I

Nolan Changed the API endpoint for this one. So it's it still works

Nolan This is just saved in the database as a random table

Nolan Which I don't know

Nolan If that's the best way to do it with the hierarchical database because it kind of just sits there without any

Nolan Relations, it's a flat table. So I don't know if that's the best for what it's just the hours

Nolan So like if you wanted the hours to change or something

Nolan You would go in and change them in the admin settings

Nolan Which then would update them in that database and then this queries them from the database

Austin Are you talking like the weekly hours?

Austin having that

Nolan Alone is perfectly fine because it's really small. It just doesn't have like any relations like

Austin potentially something like that you would also tie into

Austin Scheduling for tutoring hours

Austin Okay, so you might have some limitations when you go to schedule that you can't have them before open and after close. Okay

Nolan Yeah, so oh, yeah, then you have all my favorite part right here I added

Nolan But here you can see now we have

Nolan It's pretty pretty cool

Kyle So here's what's the other account pieces? What's oh the message?

Nolan Yeah

Nolan So profile is just I'm thinking that this is just going to be like I feel like everything needs to have like something to see

Nolan So just like the

Nolan basic stuff that you would like their name maybe if people wanted to go like

Nolan If they wanted to add like are their pronouns to their page or if they wanted to say, you know

Nolan This is my because I don't I don't want them to be able to change their you and oh student

Nolan Yeah, say I want to go buy a different name like show a different name on my tickets

Nolan They would be able to update it here. Uh-huh, but you'd still be able to query it as

Nolan You know

Nolan And then messages this is kind of crazy I am I actually added web sockets into this so it does support real-time messaging

Nolan But the whole point of that was if I'm on at my ticket page and I make a post request

Nolan What that then does is through web sockets will send from my client to the server something saying I just made a post request

Nolan issue back to all the clients that have stateful components that they need to re-render those components because

Nolan State from the database is not changed. So we're gonna call that and

Nolan So basically if I'm here and I'm you know, maybe I'm a tutor and I'm sitting here talking to my this is empty

Nolan If someone makes a post request, it's this page is gonna update one of these components will update adding that ticket right here

Nolan Okay, without a refresh being required. Okay. So the whole point is I did not like the refresh system

Nolan Portal. Oh, yeah. Yeah, I think you'd mess much of that. Yeah. Yeah, so I was messing around with it and the

Nolan I was thinking oh I could just ping the database every so often

Nolan I was like, well you have 50 people on their computers to just have this passively open

Nolan I don't want them to all be hitting the database with the API calls

Nolan Yeah, like every ten minutes or five minutes or two minutes or something

Nolan So this I feel like it's a better way to only does it when someone actually does something sure

Austin It's just one time. We'll see if I can make a dose out of it. I doubt it

Nolan It seems pretty I like looked into the package that I use. It seems pretty good

Nolan So this is just how I like what I'm using right now to populate all the stuff in the database

Nolan And this is just gonna be a little test field where I can test out the API call endpoints

Nolan Okay, mostly just for postman stuff and then this will be the same thing like this testings

Nolan But I haven't added these yet just because I was working on actually gonna be API working

Kyle What is the student view look like then? Yeah, so if I go here and I go to my dashboard

Nolan Oh

Nolan Yeah, the I didn't realize that there were gonna be so many files in here it's been like

Nolan kind of overwhelming

Austin Front-end development does that? Yeah

Nolan The back end looks so small and dinky in comparison, there's just so much stuff here

Nolan Yeah, so this would be the student views

Nolan Okay, actually you wouldn't have the development portal that one's just like sure present there right now. So they would have it. Oh

Nolan Yeah, and then search I'll probably get rid of search. I don't think that there's not really I'm not gonna be used to more

Nolan What is the search that would be like if they typed in like search or ticket

Nolan Okay, like, you know submit a ticket or something, but I feel like it's such a small application doesn't really

Nolan Shooters, oh, yeah, this this is a this is the old this was my very first mock-up here

Nolan It's funny that it still works. I'm very surprised that this is still working

Nolan Because yeah, this is just saying these are showing tickets actually not even yeah

Nolan So this is the very first mock-up I had you can see how much everything's yeah

Nolan But yeah, this is the first mock-up. That's funny. That's though because because I'm curious I do wonder

Kyle I mean we used to have a thing

Kyle And I'm

Kyle I'm torn on whether I liked it or not, but

Kyle One thing we used to have was on the home page if you remember it would show

Kyle Certain set of classes and how many tutors are available for yeah class

Nolan The problem was people want to update update and update what classes they could help with eyes

Nolan Yes, that is one of the big things that's actually I made that a field and tutors

Nolan So tutors can add you know courses that they've taken and courses that they want to help with and then I assume that that's something

Nolan That they can't change or that you would change and generally it was something that they would change. Okay? Yeah

Nolan So I have that added. I don't know if it's something. Yeah, you want to implement

Kyle Cuz because that was one of my only thoughts for like if there is a page like this

Kyle That is talking about tutors open. That's what I think something that could happen on that. Okay, whether whether

Kyle We want to implement that or not. It depends because like I said it, you know

Kyle It was it was sometimes

Nolan Really work in practice. Yeah, I think it's a girl. Yes. I would like to see it work

Nolan But yeah, I don't know if it was

Nolan Always working the best. I was trying to figure out a way, you know how like on discord or on Microsoft Teams or something

Nolan it'll show like

Nolan if you're

Nolan Active like oh, yes. I really wanted to implement something like that. I just don't know how to do it

Nolan I've been like looking into it and I have no idea how that yeah

Nolan Yeah, well I was thinking in the terms of sewing people who like tutors that are like

Nolan Currently working because yeah

Kyle the old way of doing that was literally like you would have to go into your own profile and

Kyle Click hey, I'm working and I'm in turn it off very easy to forget

Nolan Yeah, so an automated way if you're logged in show you something like that

Austin Probably be to query the shift schedule

Nolan Yeah

Kyle You just go off the shift schedule

Austin You just got a look at the hours. I have some arithmetic

Nolan Yes, I could work. I might just make a mock-up of that then but yeah this I don't think I'm gonna add this just for

Nolan the fact that

Nolan We've had things in the past from people knowing when tutors work. Yeah, that's that's that's one of the things that

Kyle That's why I I wouldn't want names

Nolan Yeah

Nolan That's here

Nolan That's what I I had this and the thought of oh it'll show all the people who are working on what teach it

Nolan Of course, they can teach but but then I know that there's been things. Yeah, I definitely don't want the names to be shown

Kyle But I would be fine with like courses and number of people working those courses

Kyle People just like they're like certain tutors and like if they know that that's fine, but

Kyle Sometimes it ends up being I like this tutor because I know they will give me more

Kyle Than others will so they like they keep

Austin They single you out because they know they're gonna get something from you

Kyle Yes

Kyle when it's like we've had that situation before we're like as

Kyle Students like I feel like I'm doing so much like research to try and help them and it's like that doesn't feel like no

Kyle That's not part of it. So I'm like trying to set those boundaries

Nolan See yeah

Nolan So I don't think yeah, so this is this page works right now what it's trying to do is query

Nolan But this is that's where you create yeah

Nolan And it does a drop-down of all the professors in the database and the courses

Nolan Just so people don't have to enter it themselves. Just nice which is so so nice

Nolan So they're not just like random course random course names super easy to query things get actual data from it

Nolan What I was trying to do is like once they press, you know

Nolan Oh, I'm doing this course then it would update the professor's and say okay

Nolan Well only show professors that are teaching that course. Yeah or vice versa

Nolan And I have like a prototype of that, but it's just a lot. It's like very chunky

Nolan So I don't yeah know how well that would actually work

Kyle I mean, I think it will be better once you actually like if you're taking the data from it

Kyle So like once the course is set, yeah, you can kind of limit it from there

Kyle I mean, there's there's some ways of doing that. Yeah, it just depends and then yeah view tickets

Nolan What I was thinking is that this would only show the tickets

Nolan I don't know why these are here, but this would show the tickets for the students for them. Yes

Kyle Yeah, I don't think they need to edit after they

Kyle Made it the only thing that I would like is

Kyle And I don't know the best way to do this either so it might not be possible

Kyle but the thing that I would be interested in is

Kyle so remember when students would enter in their like

Kyle Problem because they would have to enter in a problem and they'd enter in something random. Yeah, because they had to enter it

Kyle Yeah, I don't know if there's a way that we could make it be more

Kyle Actually useful information. Yeah, I actually random

Kyle if it's

Austin What?

Nolan database here

Kyle So there there would normally be like a problem field where it's like hey

Kyle So tell us a little bit about what problem you're having and a lot of students would just be like

Kyle Random letters just to fit it and then they'd be like, oh cuz I'm gonna talk to them about it myself

Kyle But it's like well that doesn't help our records. Yeah

Nolan I had I had so like one it's a drop-down field and it's in the database called issues

Nolan You can make issues and then you know, you'd say what type of issue it was and then give some severity

Nolan So if you wanted to I mean, this is just like

Austin Something like that

Austin I've dealt with because ServiceNow tickets are the same way you make it a required field and then people throw in crap

Austin And they refuse to work with you and then you just get frustrated

Austin Yeah drop downs and if you have a

Austin Semblance of a taxonomy of we people come to me for this sort of problem and you can make three or four categories

Austin Drop down and then give a fill-in so we have a taxonomy as far as like

Kyle I don't know if you remember it like I'm struggling with this part of the process

Kyle Mm-hmm taxonomy, but I feel like students don't really use it. Well to describe it

Nolan Yeah, I was thinking like when I populate I have something that seeds the issue types and I just have like a homework

Nolan Exam help or study help or stuff like that like very basic one or two word

Kyle Just because one of the things that I really do want to get track of is I want to know which assignment they're working on

Kyle Because that's something that people ask all the time

Kyle They're like we which assignments do that have trouble with and then I have to go and parse through their problem statements

Kyle Sometimes nothing

Kyle so like getting a sense of like what us what the assignment actually is would be very helpful and

Kyle Then getting some sort of issue they're having with it. Okay, just because again

Kyle and

Kyle Sometimes we would try and ask the tutors to help fill in and as well like if it if it's maybe not quite

Kyle Great what they put in can you go and fill it in but that's always hard to do

Kyle Especially if you're helping out people so I don't know what the best solution is there

Kyle But I that's something that I think we can think about a little bit. Yeah

Nolan I mean we could make it based off of like

Nolan See, that's you just have to get the assignments from every single

Kyle That's so hard

Austin You have to make it a free form

Austin Unfortunately, there's no way of doing it. I feel like for certain things like if you were saying maybe they selected data structures

Nolan We know what data structures are going to be very specific things

Kyle So I think that's something that we could build into in the future

Kyle This is one of the problems

Kyle Is that like if I can get better data on it and I can analyze that I can build it into the future

Kyle But I feel like I don't know if I have that right now in a way that we could

Kyle Individualize it per per course. Yeah

Austin I can work with you on UX UI

Austin It like I said, I've done some work with us and service now and stuff

Austin Yeah, people are stupid and if you give them too much freedom, they give you bad tickets. Yeah. Yeah

Kyle They take the easy way out right because it's like hey, I know that I just want to help and I'm coming in here

Kyle I'm already sitting here in the center and you're just like hey fill out a ticket. It's like, okay

Kyle I just fill out whatever I need to do so I can get help

Austin You do the bare minimum to get through and so yeah, I'll think think about that

Nolan Way to try to do that

Nolan Yeah, right

Austin Essentially you have to hold their hand through the process and give them a branching option

Austin that pigeonholes them in a way that a forces them to think about it and if they're incapable of thought which

Austin Fortunately, there are a handful of people in this world that get by by that

Austin Then you at least have the the tree structure to go off of and it's

Austin bucketed in like one of 16 ways and then

Austin You can do further analysis from there and kind of fill in the gaps. Okay

Kyle Yeah, so I can I can get you that old tax on me. I'll go find it and get you that

Kyle Yeah, so so at least there's like a taxonomy to use but then yeah to kind of think about

Kyle What what else to do there because that's

Kyle Just an issue that's an issue. So it's universal. Yeah

Nolan Okay, I think that's mostly it for now just crack what what we have

Nolan Is there anything else that you want that you'd like to see here?

Kyle I mean just some of the stuff we had talked about so like this

Kyle Or at least showing showing like what classes are currently

Nolan Yeah, something like that works

Nolan And then I guess I could pull back up these other ones as we can see

Nolan And then I've been so claims group did all of the

Nolan What do you call that like SSL or whatever?

Nolan Certifications and oh, yeah signing which is insane. So I was looking at that and

Nolan That is tough and I was like how'd you do it and he just laughs he's like that is

Nolan One of the hardest things I've ever done. Oh

Austin Trying to do certain work

Nolan Yeah. Yeah a little bit. I don't see I haven't delved too much into it yet. I can help you. Okay, perfect

Austin Yeah, because there's two people that do it who sit right next to me Todd

Austin Oh perfect, Josh, but I can help you with SSL certs because if you use 1.1 or 1.0

Austin I will beat you to a pole. Okay 1.2. I'm sorry. Yeah. These are just yeah dates. Yeah

Kyle one thing that that might be nice here is

Kyle Breaking down my class as well because that's something that I do on my own anyway. Oh

Kyle So like I I mean I create it and see it in my own visual form

Kyle But if it's available on here, it makes a bit easier. Okay, so I mean if you if you yeah

Kyle And I you want to otherwise, it's fine. Okay, I do it anyway, but

Kyle Announcements good downloads great. Oh, yeah. Sorry, not that one

Kyle Admin settings. Yeah, kind of see where those go

Kyle Yeah, otherwise, I think it's I think it's good. I mean that schedule

Nolan Yeah, yeah, this is like every single view so this would be like

Nolan Okay, awesome, so

Nolan And I'll change this

Nolan No

Kyle Cuz cuz what was what's it doing exactly again?

Nolan It's looking for it would be saying like maybe you had a tutor who said they had someone that wasn't good

Nolan You would basically find that it would show you you'd let you query based off specific things and I'll show you

Nolan This is a very like get blame ask away

Kyle Like an advanced search or something. Yeah, basically

Nolan Yeah

Nolan And then

Nolan Yeah, I don't know what else would have to be changed through here

Kyle I'm guessing that there's probably at least something but we could get yeah, we could talk more about them later

Nolan Okay, so I'll work on that and then I want to have some my my idea of what kind of trying to crank this out

Nolan Right now is because I want to have it done by the by the very very very beginning of November like the actual

Nolan Okay, all of this done so that we can focus on getting it hosted sure cuz that'll probably take

Nolan That'll take a little bit. Yeah, so I want to make sure we have enough time for that. So I'm I

Nolan Think that this will be done by now. I'm not certain that it will if not sooner. So that gives me ten days

Austin I feel like and I'm not terribly concerned because after

Austin Probably the fifth or 12th of November my schedule should clear up a little more so I can help you with

Austin Implementation. Yeah. Yeah, hopefully

Nolan We have it up and getting tested by that just so that we could see it if people like if the tutors

Nolan Suggest anything up there like oh we have this bug

Nolan Yeah, but so if you want to meet some time around yeah, yeah if we want to try and meet

Kyle Really maybe we make it maybe we make it the second week just to be a bit more clear there

Kyle Is it is it still like Thursdays are the best day for you all or is it Tuesday Thursday?

Kyle Before or after class, I mean it says Election Day, but we don't have elections this year

Kyle So I think Tuesday the 7th would work for me

Austin I'll still come in with

Kyle Pretty sure we don't I got I got

Kyle Summoned after but I got drafted to be an election worker because apparently they can draft you to be an election worker

Kyle I thought you were just gonna say I got drafted. Oh, I didn't know they brought that back yet. I

Kyle Would have gotten a notice of sourcing before you get drafted

Nolan That's I got selected for jury duty, but I got out of it

Nolan So it's important and I sent a message to the judge and I was like, hey, I'm like not there

Nolan So, please don't make me come because I would be very upset with you not it's at

Nolan That's your simple responsibility. I hope that someday in the future you

Nolan Will become a juror just to you know, fulfill your duty

Kyle I mean, I I would have loved to be on jury duty

Kyle I had the time that I got called I was in the middle of my thesis though

Kyle So I was like, hey, can I get it deferred because I'm in my thesis?

Kyle Pushed back and then the day that I would have gone was a massive snow day

Kyle So they just didn't call me in

Austin They pay you \$13 a day and they still make you pay for the goddamn parking come on

Nolan I've got to be more than that a day an hour

Austin I want to say I got maybe 50 bucks for a day and a half a day or something

Austin It was some pittance, but they still also make you pay for parking. Yeah, they made you come here. They give you lunch, right? No

Nolan Oh

Austin They're like, there's a cafe downstairs

Austin Yeah, anyway, I'm wrap on the transcript there good