Krish (products.snowpal.com) (00:00.846)
Hey there, hope you're doing well. In this video, we're gonna take an example to talk about how you can actually leverage.

Snowpal API just a manufactured example if you will the idea is to create a number of videos to kind of showcase our functionality So, you know how you can actually build apps web or mobile or microservices in real quick time and go to market sooner by integrating our APIs as opposed to reinventing the wheel and spending a lot of time effort energy and undertaking a lot more risk than you actually have to by integrating our APIs that have that are proven that are out there in production and

running for a while, for years now. And we have systems that are currently leveraging these APIs quite successfully. So the proof is in the pudding, as they say. So the idea is to showcase some functionality. Not all, because we have a lot of functionality. The ones that we are in the mood to showcase, to be honest with you, this is randomly picking a piece of functionality. And the idea is to have created a rich set of videos and documentation around it.

it so you know how you can how these things work and how you can map it to to your domain your industry and your problems whether you're a product owner or product manager or developer and architect the idea is that the hope is this this content these videos resonate with you

In today's video, we're going to look at some content related to teachers. So if you're building software solutions, whether it's apps or web apps or mobile or anything that relates to the education industry, perhaps you're building a new app or a new solution or extending an existing one that you have.

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then this exercise that we're gonna go through hopefully is gonna help you. Now I'm gonna start sharing my screen here and I'm gonna share, you know, we're gonna take build something, you know, just create something quickly on our existing production application. But you'll notice that it actually says localhost and I'm not going to production because, you know, again, I don't wanna mess with production data. For you to check out, you can go to snowpal .com and it's one of our products.

You can you know play with it and and use it to manage projects It's a project management software with a ton of project management related features Now this is one of the apps that uses the piece of functionality that we're gonna consume that the API and the set of endpoints that we are actually going to Leverage right now in this video So let me close this I'm running it on local so we can create some test data. That's that's basically the only reason There's some data already here. I created them, you know for development purposes and for some content marketing

purposes as well. So let's go the course tutoring is one of the keys it's a teacher key and we have two courses math and science I don't know if it has any students here.

Okay, there's one student. Again, all of this is test data. So that's why it looks like test data. I mean, Parag2 is not a typical, it's not a name, it's just a manufactured. It's a real name Parag, but you're just adding some numbers for test data. So this block is actually shared with one user. Let's see. Let's actually add a teacher. I think this is, there's one more Parag here. Let's make the Paraga teacher as well.

Okay, maybe I'll add a student here.

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will surely help if the names were better but that's all right. I'm add a couple of students. Okay now if I go to science and if I go to students I do see two students. Let me assign a grading scale. I'm gonna call it A to F grades. Okay and then let's say I create a course.

I'm gonna keep it simple. I can go one more level deeper here. Let's do that. I'm gonna create a quiz one. And then I'm gonna create a quiz two.

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and I'm gonna add a greeting scale. I'm gonna pick the exact same greeting scale for quiz.

for the quiz as we did for the course. Okay, we've got some content. I'm gonna go into adding attachments. And if you're a teacher, you're gonna upload handouts and attachments here and just create the real course. Our functionality lets you create a complete course and essentially run a class. Whether you're a tutor who's teaching a few students, let's say you buy going to Starbucks or...

or a Harris Teeter or your teacher at school or a professor at college, our functionality should sort of cover the basics of what you will need to run a very happy and successful class. We don't wanna look at all of that today, obviously not even like we're just gonna scratch the surface. Okay, so because the students can submit assignments, have your grade and you can assign grades and publish grades and do.

number of nice, really nice things. It'll take a while to go through the, run the gamut of the functionality, even though teacher keys, the classroom keys, just one small piece of our puzzle that we support as fundamental building blocks, you can actually go to...

classroom -api .snowpal .com to check out the Classroom APIs courses, assessments, and how you can leverage our hundreds of endpoints to build a complete system for the education industry. So you can go to classroom -api .snowpal .com or to developers .snowpal .com, which is our base documentation page for API documentation page with references and recipes and whatnot.

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Okay, so let's go here before we look at the API. So we created a course, we created more, you know, the pods is the third level of our content hierarchy. We created a couple of different pods, quiz one and quiz two, we assigned a grading scale to it. Now what we can do is I know I can wear a different hat and play the role of the student. But let's see if I did not.

to do that just because I'm lazy to do that here. Let's see if I go here, if I go to students, show student. Yeah, the student hasn't really, I haven't created my handouts, I haven't created my assignments and quizzes and projects, I haven't done any of that stuff like I would do otherwise. But let's assume that we've done all of that.

and the student submitted it, you've reviewed their submissions and all of that you can do through our platform. And now I'm gonna assign a grade to that student. I'm gonna pick, so this grade, we picked A to F grades. These are custom scales that you can create. Now again, our product lets you create these custom scales. We provide some out of the box and you can extend them or create a brand new scales. This is a really good student, they did well, they got A plus. Was there another student here? Yep, Prarag.

Procto on the other hand needs a bit of assistance and let's say they're

They are a C student, right? So we've assigned two grades to two students, but we've not published these grades. So the student doesn't know of them yet. Because you graded each of the classes or this particular assignment or a project. I think we did it at the block course level, but you can do the exact same thing at the pod, which is the assessment level, the most granular level. So essentially the idea is you have a course, you have ways to, you know, assessments. I think that is the best word. The word we actually use.

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use assessment as a project or a quiz or a test or an exam or all of those categories where you're judging your students based on academically. Okay, so you've graded them at different points of time. So you've assigned the grade, but you've not published the grades. But now you're ready to go publish the grades.

You can go to grade, you can publish one after the other, or you can just say publish grades for all the students and then it's published. And the students will get notified. Now if you say if you go to chats, and if I pull up the grades you see here, Parag has an A plus and Parag 2, Parag 1, and Parag 2 is C plus. You're able to compare the performance of two students. You can compare the performance of a single student across different assessments that they've worked on. So Parag 1.

have attended three exams, two tests, have completed one project for this course, you can check out how they performed across those assessments, or you can in totality check PARAG -1 versus PARAG -2 as to where they stand at every point of time or collectively at the end of that course. So this is just, we took a few different, this is a manufactured example, but it's a real life problem, teaching students, being a

able to help them, grading students, you know it's what all of us have experienced that during the course of our schooling and college education years. Let me pause for a moment.

Now this is functionality that we've implemented a certain way. We have chats, we have assignments, we have projects, we have grades, and we have grading scales, and everything we've talked about in the last five minutes or so. What if you want to do something similar or something quite different actually, or both, depending on a problem that you're trying to solve? Now you have to build a user interface, sure, whether it's a web app, mobile app, or you're building a microservice, making something, providing server -side functionality for somebody else.

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only for your teams or for your clients and whatnot. What if you had to also implement all of the backend functionality? Like none of this existed, none of these endpoints existed for assignments, grading scales, and assigning scales, like as a teacher, we... I mean we...

We bulk published assessment grades. We added some grades. You can look through each of the endpoints because they're very specific endpoints like assigning a grade to a student. This is something we did. Imagine implementing this endpoint, defining the specification, exposing it to your UI teams. The product team has to be engaged here.

You need to stub out these endpoints so the UI team can start building the interfaces while you're working on the API and your endpoints and then you make it available. You then have to do integration testing. All of this work needs to happen. A lot of server -side work and it's not trivial by any stretch of anyone's imagination. That's why we've made this readily available to you so you can start leveraging this integrating it and we have many different licensing models. Let me actually stop screen share for a second. So there's many different licensing models you can

can pay by request, by subscription monthly or annual, can go to AWS Marketplace and within the next 10 minutes of this podcast end or this video ending, you should be able to start building these applications, leveraging our APIs. That's the whole idea.

Or if you want us to provision this in your own infrastructure, we can do that, whether it's AWS, which comes a little bit more naturally to us because our systems are in AWS. But that's not to say that we don't support Azure or Google Cloud. We do that. Those three cloud platforms are completely on the table. If there's another one that you want to use, we can make that happen to you, happen as well. But perhaps the turnaround time might be a little bit longer.

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or you can actually say, you know what, we like the functionality, but we want to make it part of our DevOps and platform engineering team. So you just give it a light. We want to license the software and buy the upgrade licenses and renewals and whatnot. That's fine too. So the way you have complete control over proceedings, which you would anyways do, but it would be on our cloud infrastructure. But if you wanted to be on your infrastructure or your data center, you can take that approach and larger organizations actually prefer that for understandable reasons. But if you're a smaller organization, a startup, or

or a solo printer, you probably don't have the time, the money or the skills to be honest, to be able to do this. So you can piggyback on our infrastructure, which is out there on AWS. So it's as stable as you can expect for it to be. That's why one third of the world is using it, if I'm not wrong.

That's the idea. I think, you know, I'm trying to keep these within 10 to 15 minutes if maybe shorter. So these can be small, simple examples that you're able to digest. So once again, one thing to remember is this is functionally I showed you. You would call this quite your verbage in the language could be completely different. Maybe you're building something to, you know, for music.

school. You'll use different language perhaps. Maybe it's not grading scales, maybe because maybe you know.

I shouldn't be talking about music. I love music, have zero skills there. So I don't know how music students, students of music are graded. I don't know if it's like A and A minus like it's for math and science and perhaps it's something else. I'm pretty sure it's more creative than just A and a B minus and a type of grading. I don't know. So you can create your own scales for your industry and then use that language. Only difference is you'll expose that language on your client to your client. When you do the integration, you'll just map.

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your language to snowpal's pretty standard language like assessments and courses and go from there and you you know sometimes you do you know it's all of our api's are pretty self -service you can tell but we can understand if you needed some help with onboarding you can i you know we can you can work with us we're more than happy to help you or you can go to aws .snowpal .com and check out the professional services that we offer and you can sign up for it and have it part of one consolidated billing so you can go to

professional services for Classroom API, and then you can continue and purchase the service, and then you know, engages in that manner and make it part of the AWS billing process as well. So with that, I'm going to end this video. Talk to you soon. Thank you.