



Client Technology

Interview Assessment

Last Updated: August 27, 2020

# Overview

This assessment is designed to gain an understanding of the technical capability, client facing skills and general code management skills needed for working as a technical consultant in Piano. There is a short coding requirement and set of emails that would need to be responded to.

## Customer Facing Responses

From: john.doe@anenduser.com
To: <a href="mailto:support@piano.io">support@piano.io</a>
Subject: Piano ID login
Hello Piano,  I am struggling to understand how to create a login button on my website. Can you send me a code snippet for me to use that shows how to have a login button?  Regards, John

### Additional information

Documentation Site: <https://docs.piano.io/piano-id-overview/#idfunctions>

Please respond to the customer:

Hi John thanks for reaching out to Piano's Dev support team, Im Sebastian and would be glad to give you a hand on this.

You can find the code snippet to create a login button below

```
tp = window.tp || []; tp.push(['setUsePianoIdUserProvider', true]); tp.push(['init', function() { tp.pianoId.show({ disableSignUp: true, displayMode: 'inline', screen: 'login', containerSelector: '#login-form', loggedIn: function(data) { console.log('user ', data.user, ' logged in with token', data.token); }, loggedInOut: function() { console.log('user logged out'); } }); }]);
```

Here's the link in case you want to check out a better formatted code snippet on our website in the section below tp.pianoId.show() function. <https://docs.piano.io/piano-id-overview?paragraphId=f702e7693c965e5014677ce3d96fecd9>

Please feel free to reach out anytime.

Sebastian

From: <a href="mailto:keyuser@somepublisher.com">keyuser@somepublisher.com</a>
To: <a href="mailto:support@piano.io">support@piano.io</a>
Fwd: Not able to sign up
Our team has received a ticket from an individual who is having trouble setting up his digital access account. When he tries to log in, he gets the message “You have successfully logged in” But then when he opens an article he gets the message asking him to purchase a subscription.
Here is his contact information: Ryan Kanp - <a href="mailto:Enduser@anenduser.com">Enduser@anenduser.com</a>
The Piano dashboard confirms his account, but there are no payment details. Can you please look into Mr. Kanp’s account and help us resolve this issue?

#### Additional information

Account email: <a href="mailto:Enduser@anenduser.com">Enduser@anenduser.com</a>
Account status: Inactive
Subscription: no active subscriptions
Subscription status: Inactive
Last payment: no payments
Next payment: N/A

Please respond to the customer:

Dear keyuser, thanks for getting in touch, I was able able to doublecheck that the user you reported with the issue is registered in our database.  
However, it looks like his digital account is inactive for some reason. As you said, he has no active subscriptions, as well as no recent payments.  
I'll need to check some further details with the VX Accounts management team in order to validate his account again.  
Can the user provide order ID to confirm the payment?

Best regards,

Sebastián Colussi from Piano

## Coding Requirements

- Complete assignment in python and 1 other programming language of your choice
- Provide a github link to the 2 project upon completion

# Assignment

The client has provided 2 csv files with user data that they would like to import to the system:

File A:

```
user_id,email
oi6IhEzu9R,user_2@example.com
fQFLNRDae8,user_5@example.com
fBYRtPtAlC,user_7@example.com
fOSjdLnNP3,user_9@example.com
uxz2jFwr5I,user_1@example.com
zSbmdNiSHH,user_4@example.com
fjM66woroy,user_0@example.com
oh4mHXh8zN,user_3@example.com
gXWj37JC5d,user_8@example.com
4dBdXURAz3,user_6@example.com
```

File B:

```
user_id,first_name,last_name
oh4mHXh8zN,Julie,Mosser
zSbmdNiSHH,Taryn,Jaycox
fBYRtPtAlC,John,Smith
fjM66woroy,Yadira,Irving
fQFLNRDae8,Vella,Lynam
fOSjdLnNP3,Qiana,Walk
uxz2jFwr5I,Benito,Festa
oi6IhEzu9R,Leatrice,Oquinn
4dBdXURAz3,Jacques,Cuellar
gXWj37JC5d,Shaun,Kreiger
```

However some user IDs are incorrect, because these users already exist in the system under different user\_id value. Generate a merged file in the format:

```
user_id,email,first_name,last_name
```

But make sure that for the incorrect records, user\_id is taken from the system, rather than from the list provided from the client.

## Materials

- API documentation - <https://docs.piano.io/api>
- Domain for API requests - [sandbox.tinypass.com](https://sandbox.tinypass.com)
- AID (Application ID) - o1sRRZSLlw
- API Token - zziNT81wShznajW2BD5eLA4VCkmNJ88Guye7Sw4D