piano™

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: support@piano.io
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:

From: keyuser@somepublisher.com
To: support@piano.io
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 - Enduser@anenduser.com 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: Enduser@anenduser.com
Account status: Inactive
Subscription: no active subscriptions
Subscription status: Inactive
Last payment: no payments
Next payment: N/A

Please respond to the customer:

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
- AID (Application ID) - o1sRRZSLlw
- API Token - zziNT81wShznajW2BD5eLA4VCkmNJ88Guye7Sw4D