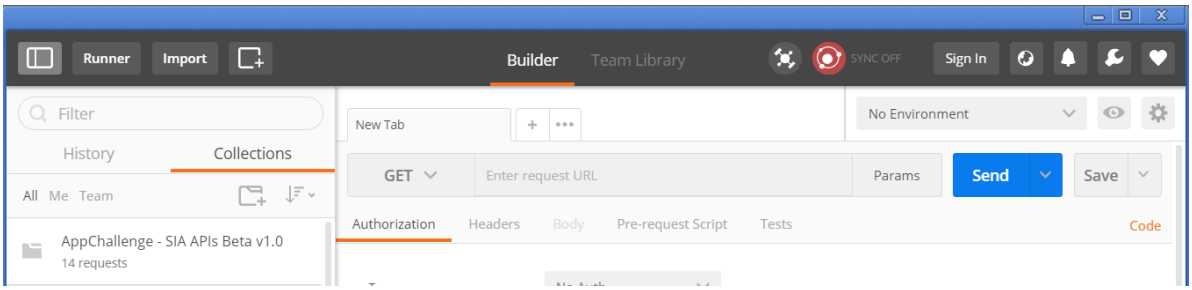
Quickstart – Booking Flow

Hi! So the booking flow is one of the hardest to master due to the involvement of session at the backend vendor. Since SIA APIs are stateless, you, the consumer, has to relay the sessionId across the various calls to SIA APIs. Here lets quickly go through the steps to create your first ever PNR via APIs!

Setting Up

To get started, install Postman from: https://www.getpostman.com/**.** Then click on import from the top left corner to load in the '.json' file that has been given to you. After loading in, you should see the following screen with Collection of calls to SIA APIs pre-loaded.

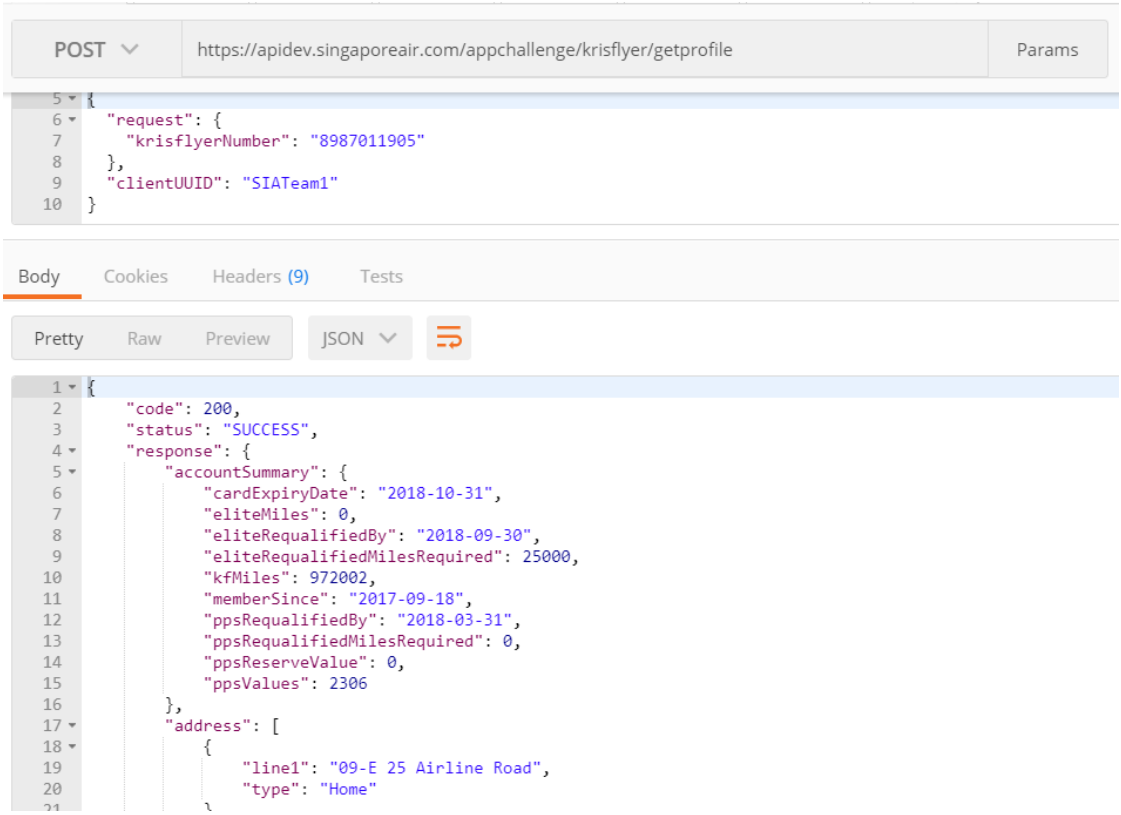


Krisflyer (KF) Service (Hello World)

So now that it has been set up, let's try your first call to an SIA API. On the left pane, open the Collection that you have just imported and click on the first API (Krisflyer GetProfile). Then click on "Body" in the center pane.

This should automatically load in a sample request and configure the headers with the api-key needed to authorize your call to the AWS Gateway.

Now all you have to do is change the "clientUUID" to something unique, and click on the Send button (top-right) and voila! The response should be populated with the Krisflyer Member's details such as his miles and personal contact information.



Please note only 10 KF accounts have been released for the AppChallenge. They are listed in the User Manual Section 4.7.

Another simple call for you to try would be the GetPNR (the sixth on the list) as it is also devoid of any session dependency. Note that other than the sample one given, only PNRs that YOU create can be retrieved using this call.

The Booking Flow

Alright now that you have managed to make your first call to SIA, it is time to up the game and try something that is really fun (and challenging).

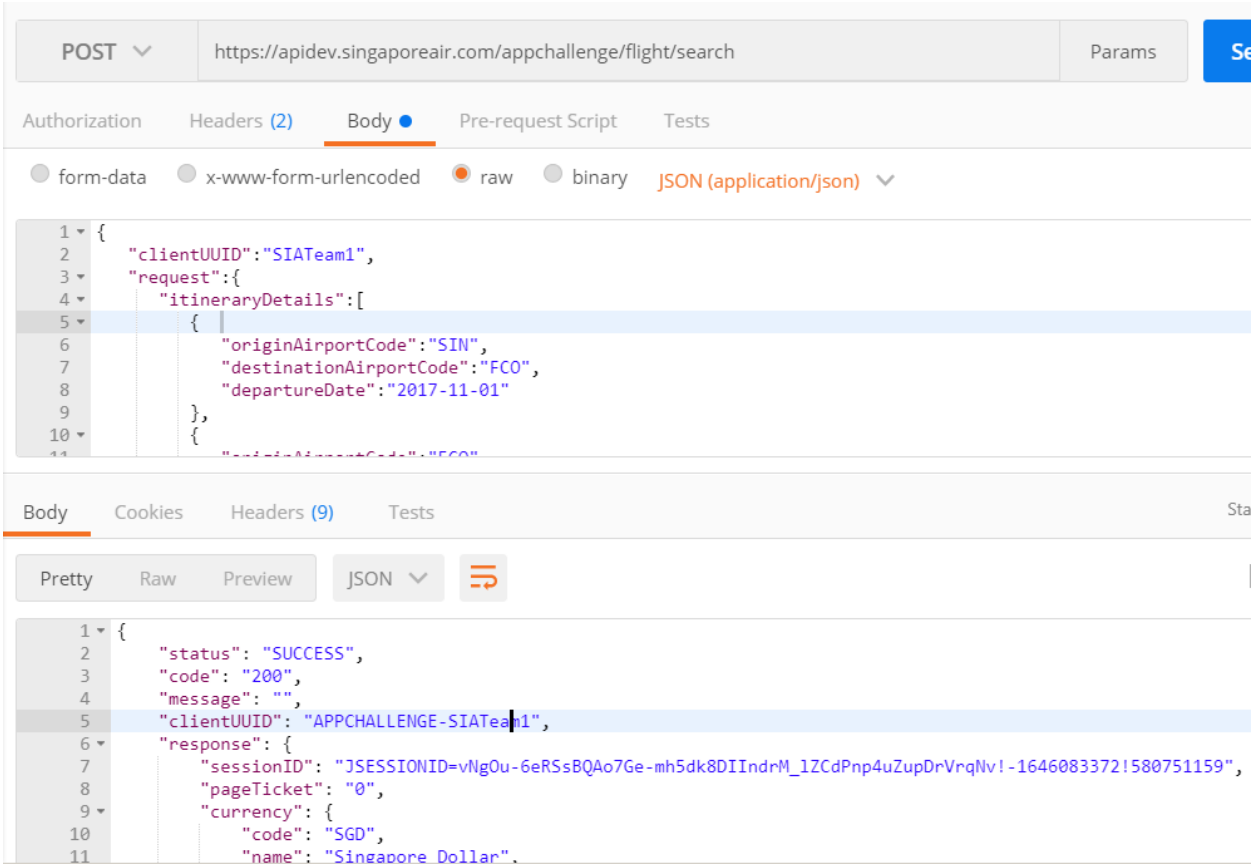
The SIA APIs are stateless. However, our backend vendors still use some form of session to chain the calls. Thus, the onus will be on you (our consumer) to pass this value from the response of one call to the request of the next. Also, this means the order of calls is also important.

Since it has session, try to go through this in one sitting and quickly. If at any point you see a session timed out error, you have to start all over. Are you ready? Let's dig in.

FlightSearch

Open the "FlightSearch" API from the list on the left pane. This API call starts the session and hence does not have a session value in the request. Now note that the default itinerary given to you defines a return flight (one from SIN -> FCO on the 1st of Nov and return from FCO -> SIN on the 8th). The cabin class is defined to be Economy ("Y") with number of passengers as 1. **Leave these values for now**.

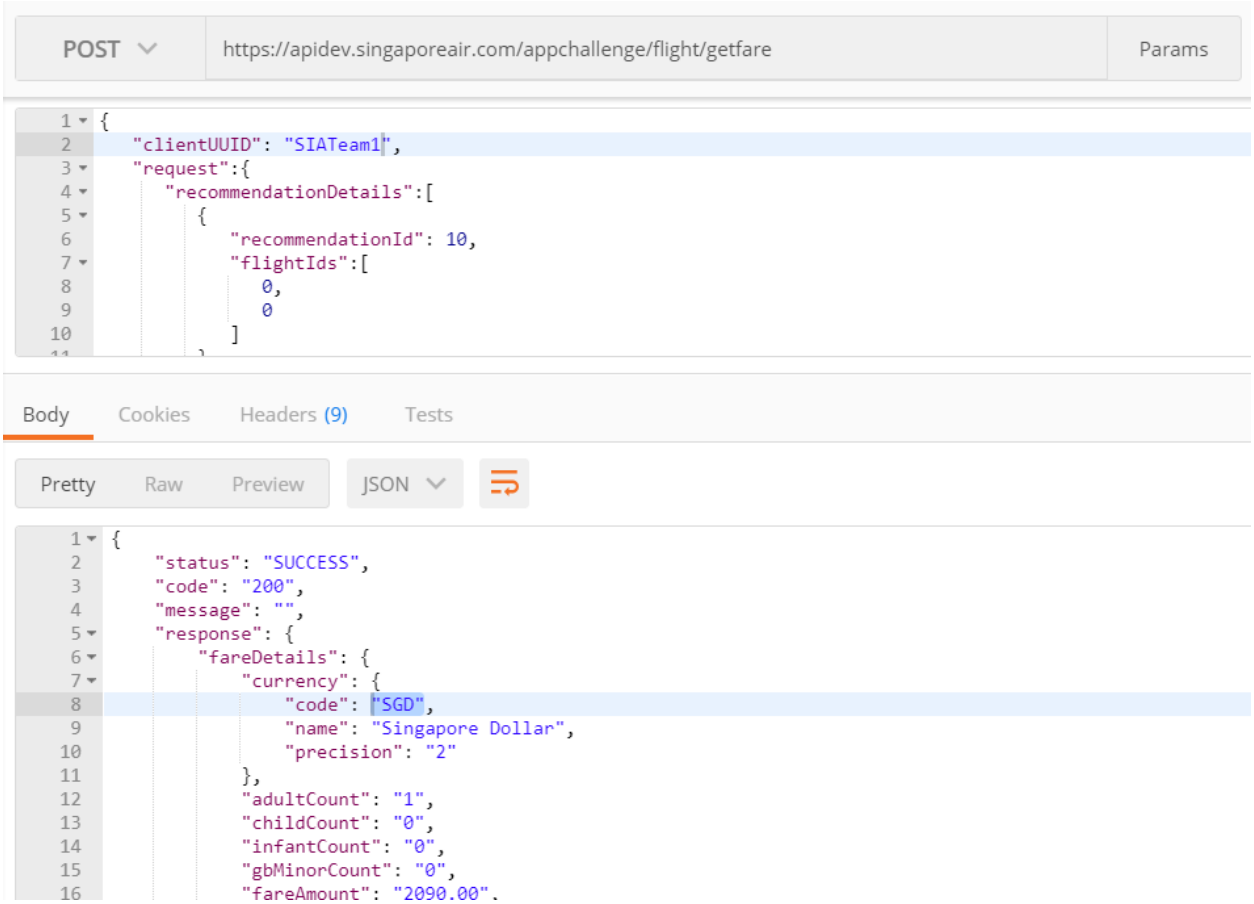
Now click Send and wait for our systems to return you all the possible flights that you can take for your journey. Since this response is a little involved, details on the fields can be found in the **User Manual Section 4.1**



GetFare

To continue on our booking journey, open the *GetFare* API from the left pane. Copy the "sessionID" value from the *FlightSearch* response (almost at the top), and paste it in the "sessionID" field in the

GetFare request. Then, click on Send! This should retrieve the fare details for the flight that we have selected.



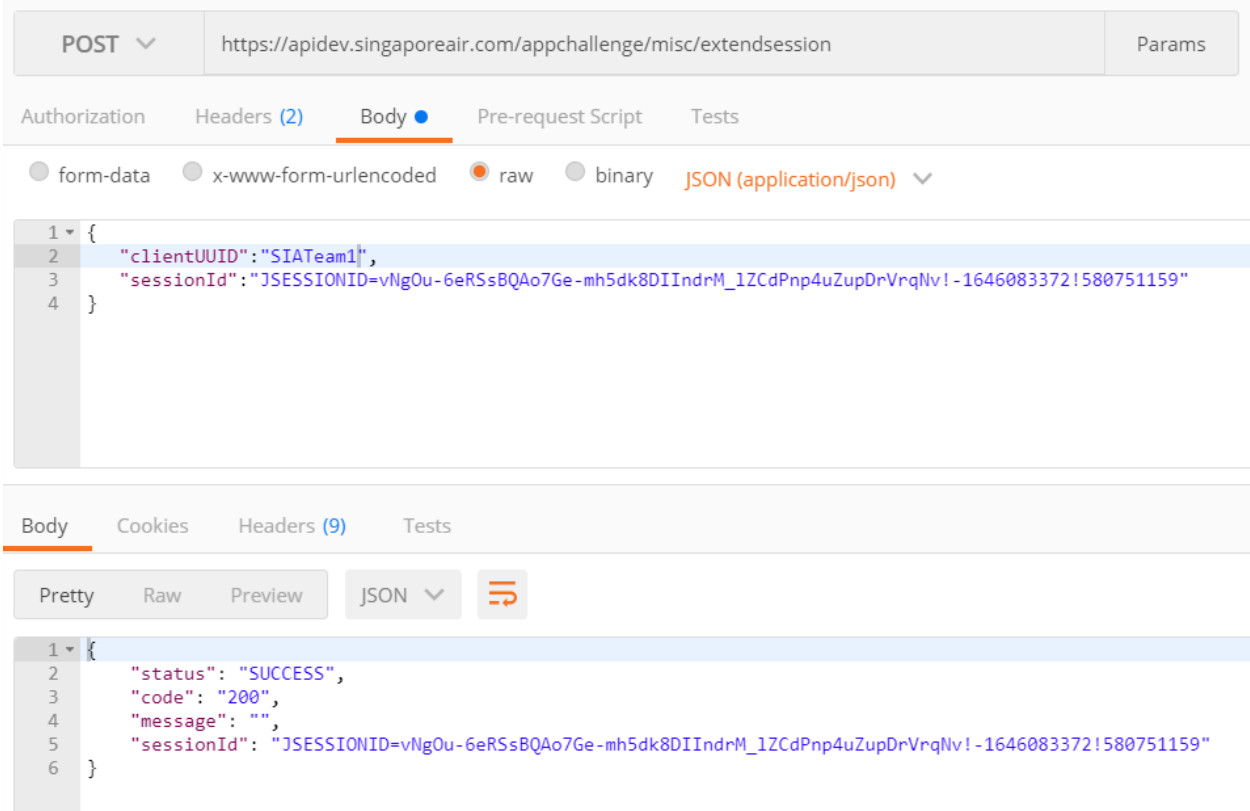
If you see an error, it probably means that a lot of our AppChallenge participants have used the same request to book the flight and so we ran out of seats. Simply change the "recommendationId" to a value that can be found in the *FlightSearch* response and try again.

Digging deeper, note that the "recommendationId", and "flightIds" in the request have been taken from the *FlightSearch* response. These two fields identify the specific flight combination that we are interested in (or the passenger is interested in). More details can be found in the **User Manual Section 4.1 and 4.2.**

ExtendSession

Alright, we are halfway there.

Now open *ExtendSession* on the left pane. This is a very simple call to extend the duration of the session by about 10 mins. Simply Copy in the session value to the "sessionId" field, modify the "clientUUID" and then click Send.



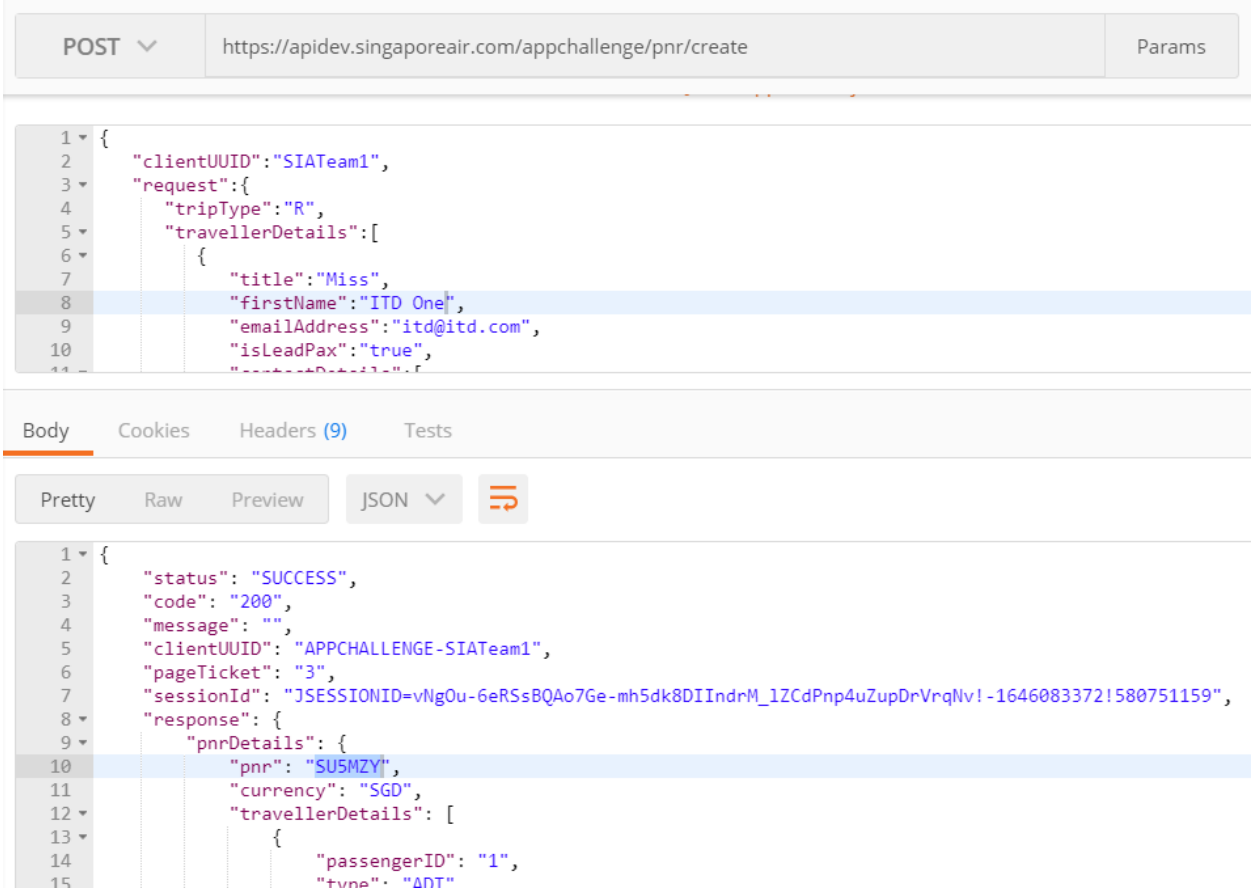
CreatePNR

Now open *CreatPNR* from the left pane. Let's quickly look at the fields.

First one is the tripType. For this QuickStart we use (R)eturnType, but (O)ne-way is also possible. Then we have the travellerDetails. Note that this is an array and must contain as many elements as the "adultCount" value in the *FlightSearch* call.

Now, change the firstName to your TeamName **with only letters**. Then change the email to a unique email address, and phone number to an 8-digit phone number. Lastly, copy the session value from *FlightSearch* response in here and click Send!

After some deliberation, the system should give you a success response. IF, by any chance (rare though…) the response is an "endpoint did not respond", click send again.

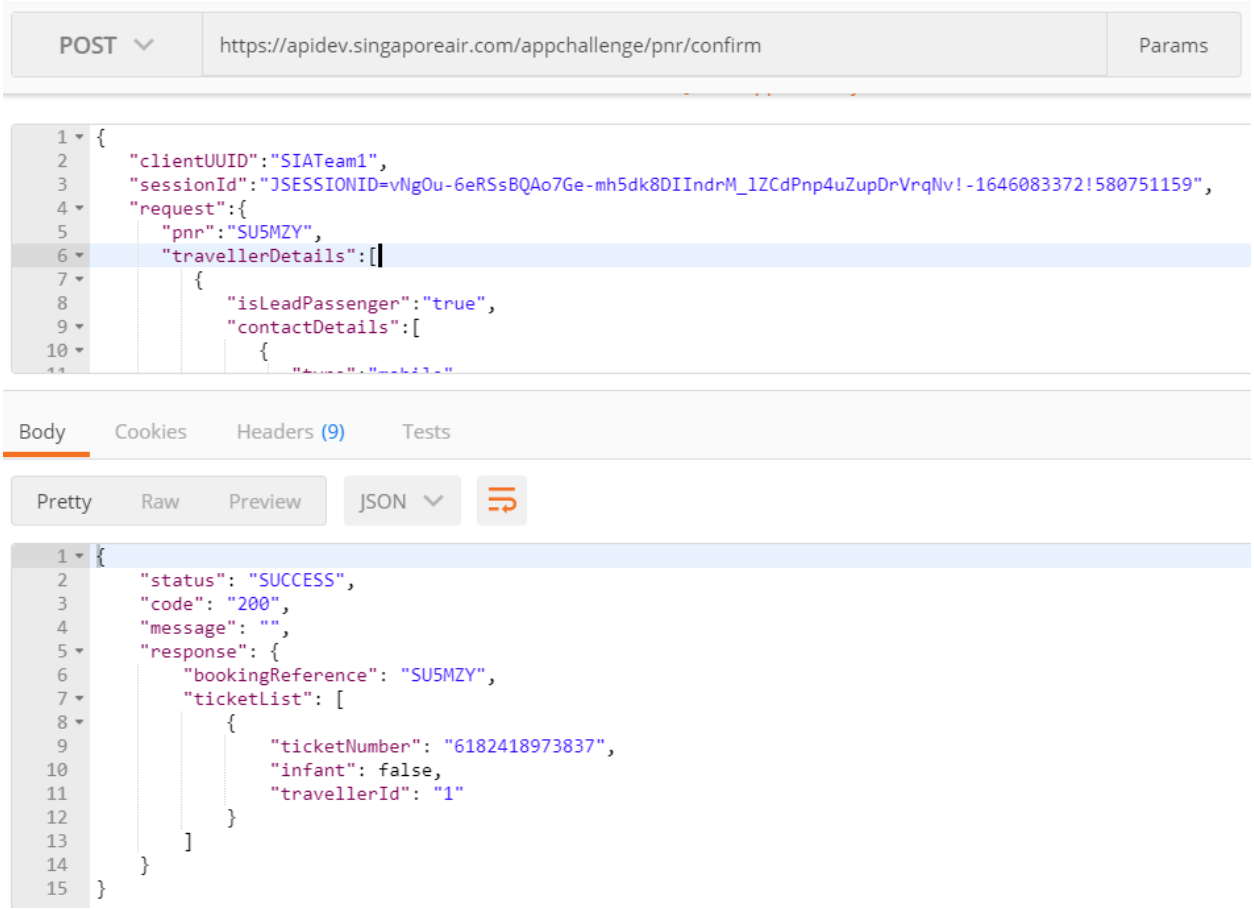


This response contains the TEMPORARY PNR that has been created based on our details. The “pnr” value in the response will be the one used for the rest of the calls. Also, observe that the “travellerDetails” in the response contains all the information needed for the *ConfirmPNR* call later. Lastly please take note that the traveller details contains 2 passengerIDs. “passengerID” will be used for the confirm call and “passengerIDForSeat” will be used for the Seat related calls.

ConfirmPNR

Note that the next call to *ConfirmPNR* will make the PNR permanent. Now Open *ConfirmPNR* from the left pane and fill in the details based on the *CreatePNR* RESPONSE above. For the card number in the “paymentDetails”, we have found a pretty useful online tool. Use this link to generate a **MasterCard** number (click on ‘American Express’ to change): https://saijogeorge.com/dummy-credit-card-generator/.

Once ready, click on Send to complete this Quickstart with your first ever PNR created using SIA APIs ☺. You can now use this PNR for *GetPNR, GetSeatMap* and *SelectSeat*.



If you require detailed information for any call either covered here or otherwise, please read our detailed User Manual.