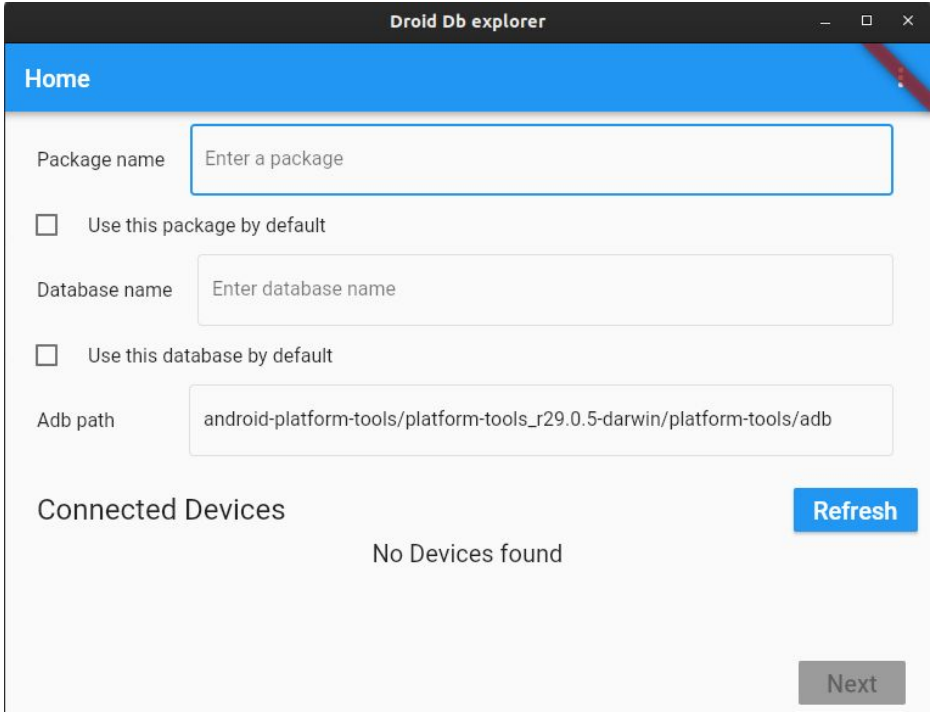
Gql Testing tool

Desktop app - by Rahul Lohra

Features

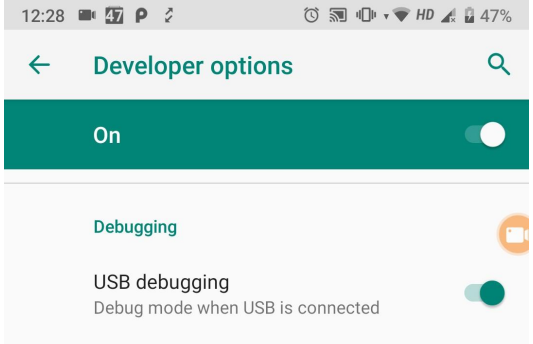
1. You can **add/edit** custom responses for any url
2. This application supports both **GQL** and **REST**
3. For developers - They don't have to depend on backend or manually write custom responses to see their behaviour
4. For **QA** or **PO** they can use this desktop app to see different UI behaviours based on different responses
5. This will only work for **debug apps and not on release/ playstore apps**

How to use



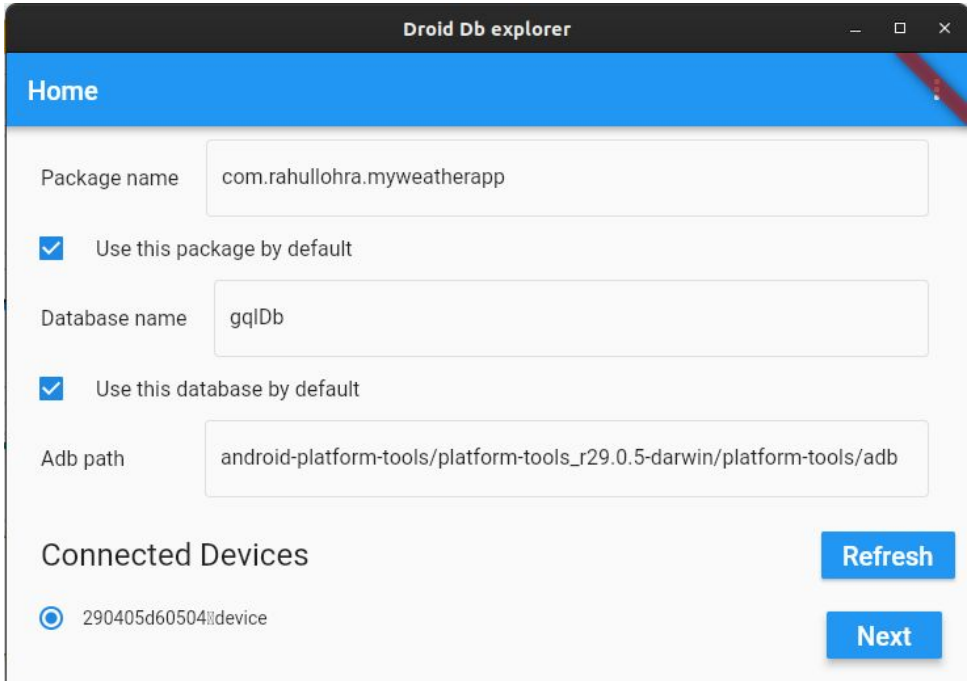
1. Open the app
2. You will see 3 fields
   a. **Package name** - The name of the app you want to debug
   b. **Database name** - The database where fake responses are stored
   c. **Adb path**
3. List of **connected devices** - devices attached with usb and with debugging enabled
4. **Refresh** - will refresh list of connected devices
5. **Next** - Once you have selected the device, it will be enabled

How to connect your device



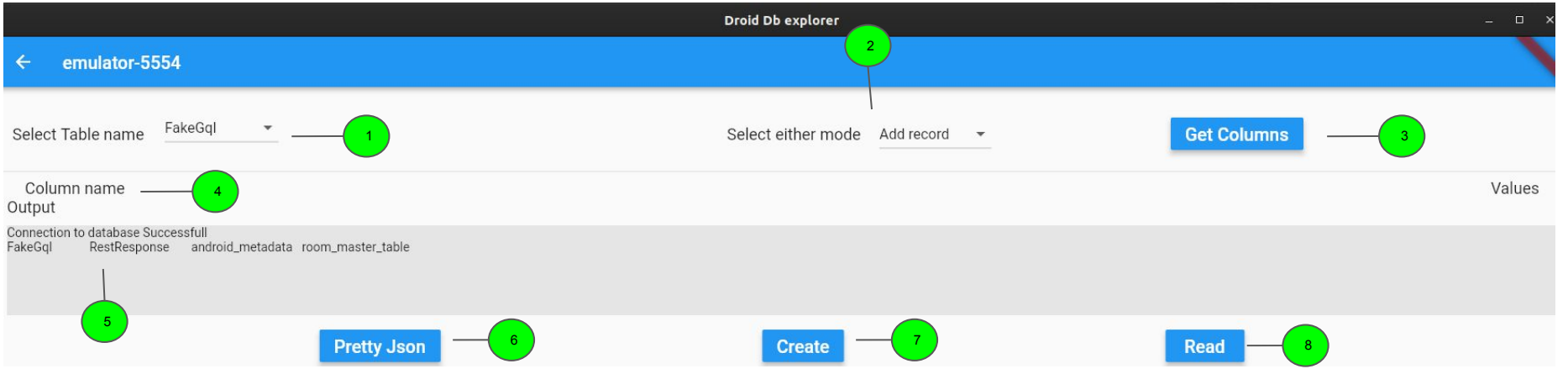
1. Enable developer options in Android
    a. Follow the link to see the steps
        i. https://drive.google.com/open?id=1wq5lNhgj6lYBjrr9mUprBfQVeGPRVK7J
    b. These two options must be enabled for the app to work

After filling the details and connecting devices, ui should look like this



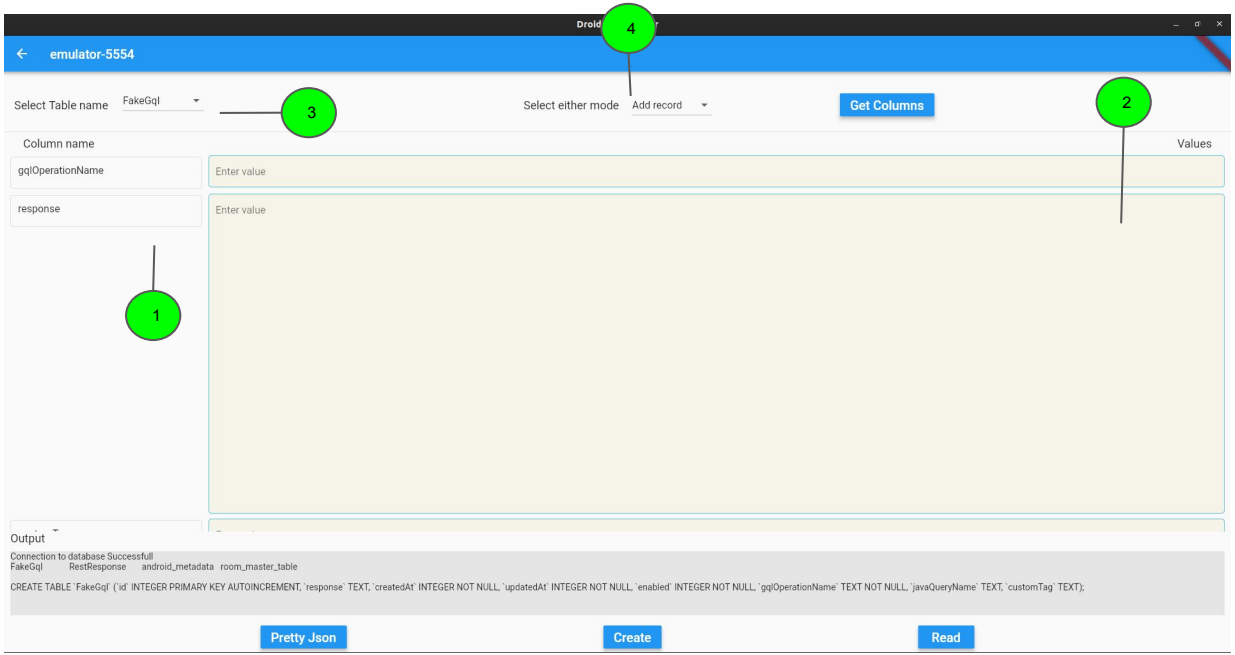
1. Select one of the connected devices and tap on **NEXT**
2. If **Connected Devices** are **empty** then please see previous page
3. Your device must be in **DEBUGGABLE MODE**

Enter device detail screen



1. Drop down menu to select table name available in previously selected database
2. Two modes are available
   a. Add new record
   b. Update old record
3. Will show you all the columns for this table
4. Here we will show you the columns
5. Output window - to check for any errors
6. Will pretify the json
7. Will Execute command to create a new record
8. Will read all the data from the table name provided and will show in output window

View all columns (Add MODE)



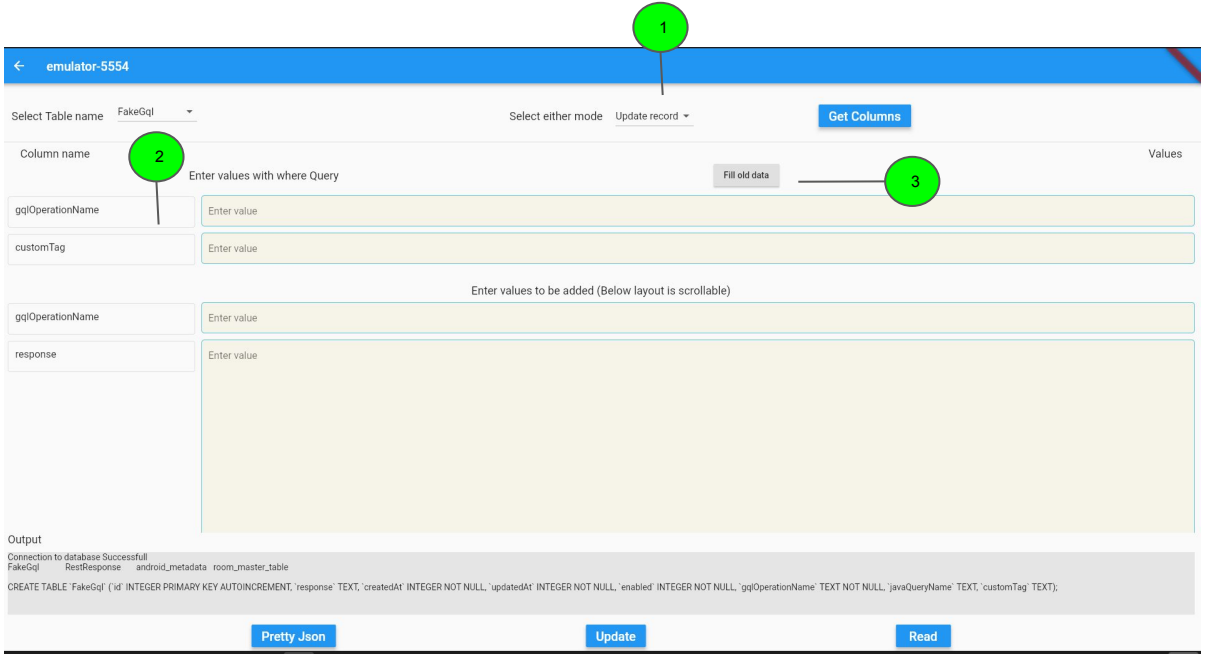
ADD MODE means - You are going to insert new record

- Follow the steps in the video, to see all the columns and you can then enter the data in it
  a. https://drive.google.com/open?id=1umQwcwFCDDcM0qzLwRyS9-d2unnpbevZ

1. These are the column names
2. These are the values for respective columns
3. Columns are coming of this table
4. Currently it is **Add Record mode**

View all columns (UPDATE MODE)

- Follow the steps in the video, to see all the columns and you can then enter the data in it
  a. https://drive.google.com/open?id=1M1WPkKqHLrRJ_tuTxvx8f4rkh7kx0rOj



1. Only mode is changed to Update record
2. You can see few new columns, these are columns where the values will be updated
3. This will **Fill old data** on below columns. But you need need to **provide it some values** via filling the values section in the very first **2 rows**

Update MODE means - You are going to update old record

Add new record *(Create your own response)*

1. Follow the steps to see how you can add your own new response
    a. https://drive.google.com/open?id=1tN2QO_z_Bb2x4T0awRnl2gB5Rm25kUp7

Summary of video

1. We have an Android App named Weather app, it is pulling data from its respective backend
2. We will change the response from the desktop app. Inside the app you can also see the no **fake-response** are stored yet.
3. We have filled the required the data in the desktop app and we have change only the temperature from **31 to 61.**
4. We pressed the **CREATE** button - to inject new **fake-response** record
5. We can see in the Weather app that a new **fake-response record is added**
6. Once we re-launch the app you can see the updated temperature

Update old record *(Edit saved responses)*

Follow the video to see the steps - https://drive.google.com/open?id=1Q66tdKr2Nq7mU2X_8uowM8HMW1oRcjxX

Summary

1. We have the same weather app, now we want to update the temperature from **61 to 100**
2. In the desktop we have to **update the either mode** as **UPDATE RECORD**
3. Tap on **Get Columns** to see all columns
4. Enter the **url** and tap on **Fill old data (ensure no extra space/line is there)**
5. You can see all the values are automatically filled in the respective places
6. We have changed the temperature from **61 to 100**
7. Tap on **UPDATE**
8. We can see the updated record in the app as-well
9. Now again launch the app you can see the updated value

Upcoming features

1. Support for complex of queries
2. Allow to add mocked responses from your module's debug raw file
3. User can add logic for getting different mocked responses based on their strategy
    a. For eg If you hit the API for 1st time then mock response named RESPONSE-1 should come.If you the hit same endpoint 2nd time, then RESPONSE-2 should come
    b. Developer can also add their custom logic for their specific mock responses
4. Support for sharing the records
5. More elegant UI
6. Deploy it to web

Feedback

Contribute here - https://github.com/rahul-lohra/GqlDoctor

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