

Save Share Diagram

```
1 alias T="Terminal"
2 alias P="Main program
3 (in app.py)"
4 alias C="AlbumRepository class
5 (in lib/album_repository.py)"
6 alias D= "DatabaseConnection"
7 alias PD="Postgres database"
8
9 T->P: "Runs
10 python app.py"
11 P->D: "Opens
12 DatabaseConnection"
13 D->D: "Opens DatabaseConnection using PG
14 and stores connection"
15
16 P->C: "Call #create
17 method"
18 P->C: "Call #delete
19 method"
20 P->C: "Call #all
21 method"
22 P->C: "Call #find
23 method"
24
25
26 C->D: "Sends SQL query by calling execute method
27 on DatabaseConnection"
28
29 D->PD:"Sends query to database via the
30 open DatabaseConnection"
31
32 D->PD: "#create
33 creates new record in the Album table"
34 D->PD: "#delete
35 removes selected record in the Album table"
36
37 PD->D: "#all returns
38 a list of dictionaries, one for each row of the Albums table"
39 PD->D: "#find returns
40 a list of items based on search, from the Albums table"
41
42 D->C: "#all returns
43 a list of dictionaries, one for each row of the Albums table"
44 D->C:"#find returns
45 a list of items based on search, from the Albums table"
46
47 C->C: "'Loops' through list and creates a Album object for every
48
49 C->P: "Returns a list of Album objects"
50 P->T: "Prints list of Albums to terminal"
51
52
53
54
55
56
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```



