

Situation: Music store management (OFFLINE) (5 CD)
* Login - Logout  Tipput: admin ID , passnord  Furction: check_valid_admin ID  deck-valid_password  output: _ true > login  false > "uning input"
* Users  New user môi > add - user with all athibutes  fix ID, athè im theo kiểu khi add user môi sẽ từ đồng tạo user:  modify - into : sdt, yob, gender, name  list_users with all athibutes
Search by: ID, naml, gender ting-user
List - songs  tring - songs  add - song with all attributes  modify - song: cac attributes the ID  modify - song: toan nay trong bang wer-song trang  delete - song: bien trank NaN nha
· search - by: D), name, category, singer

*	(ategories,	Singers
•		V

- · List
- · Search-by: ID, name
- · Sõ'lg bai thuốc 1 categories/singers (finh theo bằng song)

## \* Sales

- · Input: user ID, smg S'ID user do mua, ngay mua
- · function:
  - + trư số lg của song trong tho Ly rain stock =0 -> xou song khon list
  - + tông số tiến dro đôn hàng
  - + in bill (optional)

Music store group 3  Date:/
Customer ID:
Customer rame:
total:

+ user - song: ! = cân liên têt với cái gữ (ban xong là xong)

add data-frame: userID - song ID - price of song

5 search by: user ID, smg ID

* Roport
1 m vc vs wer - song data frame
- tinh tring 88' tien tring user 2x muce (group by User?)
- trong doanh the
- ting 86' users the mua ting song (group by song?)
- tông số lượng Q) dx đị ban ra
_ bar chart: users - ss' tien tx onuce
Asítien dx . top k users dx mua n nhât
title user
- bar chart: songs - ss' rig roma 1 song
1 se' la muan nhat
title sings  Analysis song: pie chart the o category, singer
title sings
· Analyis song: pie chart the o category, singer





legend	
ଚ	
0	