LARGE SCALE AND MULTI-STRUCTURED DATABASES

< SOCIAL WINE Use Guide >

Github repository (Private) **: https://github.com/DomenicoArmillotta/SocialWine**
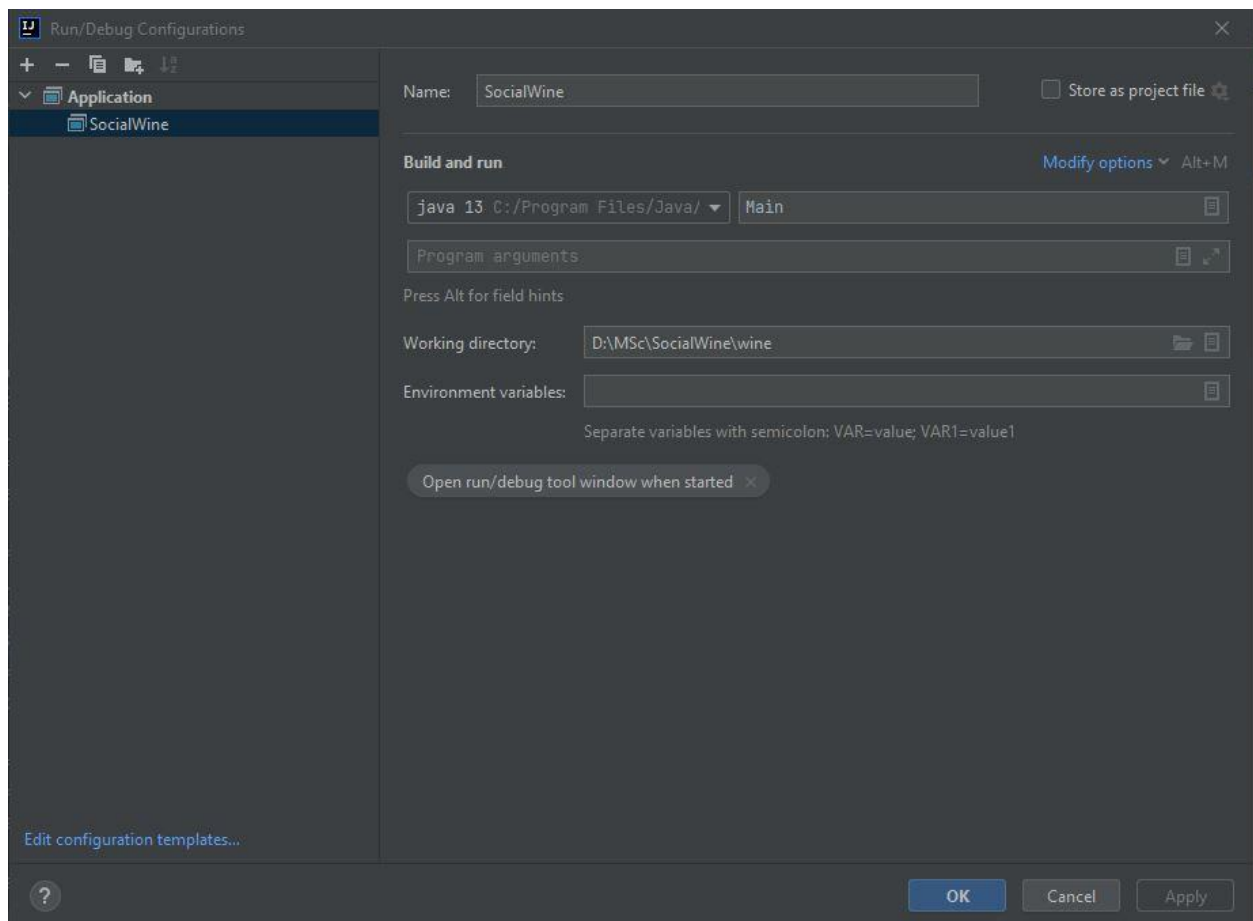
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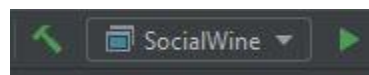- **Leonardo Bellizzi -** badge #: 643019 - email: l.bellizzi@studenti.unipi.it

Summary

1.HOW TO START THE APPLICATION

1. The laptop on which the application should reside in or be connected through VPN to the UNIPI internal network to allow the connection to the databases by the application.
2. The application doesn't have a Graphical User Interface (GUI) so must be run by an IDE like Intellij, Eclipse or similar.
3. Once downloaded the project from GitHub repository and after importing it inside the environment it's necessary to indicate the Main class and JDK to allow the execution.

- In the Build and Run section JAVA 13 is selected and the Main class is selected as the starting point of the application. After this setting phase Social Wine is ready to be executed.
4. Now the program is ready to be executed so it's necessary to press green play button.

5. Upon running the program, the main menu appears like this:

2. USER LOGIN

Once choosing the first option from the menu, the program asks for username and password.

Upon successful login, the user menu will appear asking the user to choose one of five options.

2.1 Option 1 (See wine menu)

It shows the user the options depicted in the screenshot.

```
 Select operation :
1
what do you want to do?
1 : Show all wine 10 per times
2 : Search specific wine
3 : Discover suggested wine
```

The list has three options as follows:

1. Show all wines 10 per time: It shows the user the list of all wines in the database, ten wines for each batch with an option to show more ten each time the user presses the "y" letter with possibility to write a comment or see all comments for a specific wine.

```
Wine to select 8 :
wine name = Château Labastide Orliac 2008 1780
designation = 1780 Royal Heritage
price = 190
province = Southwest France
variety = Red Blend
winery = Château Labastide Orliac
-----------------------------------------------
Wine to select 9 :
wine name = Concannon 2010 Reserve Sauvignon Bla
designation = Reserve
price = 20
province = California
variety = Sauvignon Blanc
winery = Concannon
-----------------------------------------------

Do you want to see 10 more wine? y/n
|
```

2. Search specific wine: It allows the user to search for wine by its name. The user enters any keyword of the wine name and the program will show all the wines that

match the entered keywords with possibility to write a comment or see all comments for any wine returned as the result of the query.

```
what do you want to do?
1 : Show all wine 10 per times
2 : Search specific wine
3 : Discover suggested wine
2
Write the name of the wine to search
mast
==============List of Searched Wines on Social=============
Wine to select 0 :
wine name = Laird 2013 Mast Ranch Cabernet Sauvignon (Napa Valley)
designation = Mast Ranch
price = 80
province = California
variety = Cabernet Sauvignon
winery = Laird
-------------------------------------------------
Wine to select 1 :|
wine name = Waits-Mast 2012 Oppenlander Vineyard Pinot Noir (Mendocino County)
designation = Oppenlander Vineyard
price = 44
province = California
variety = Pinot Noir
```

```
-------------------------------------------------
Wine to select 9 :
wine name = Waits-Mast 2014 Oppenlander Vineyard Pinot Noir (Mendocino County)
designation = Oppenlander Vineyard
price = 45
province = California
variety = Pinot Noir
winery = Waits-Mast
-------------------------------------------------

Do you want to see 10 more wine? y/n

n

======================================================

What do you want to do?
1 Write Comment on specific wine
2 See comment of specific wine
|
```

3. Discover suggested wines: It shows the suggested wines based on the comments and likes given by other users with possibility to write a comment or see all comments for any wine returned as the result of the query.

2.2 Option 2 (HomePage)

It shows all comments made by the friends of logged-in user with the possibility to put or delete the logged user like on a specific comment(post) with an option to see the most top five trending comments made by all users.

```
 Select operation :
 2

===============List of comment made by friends=============

0 : Comment
comment =The Meritage term would indicate that this is a mix of Bordeaux grapes. It'
rating = 86
like = 0
made by:  = Paul Gregutt
Wine correlated: Grandmaster 2010 Red Meritage (Washington)
Like = X
-------------------------------------------
1 : Comment
comment =This well-made wine is powered by lush red and black fruits and berries. Th
rating = 91
like = 0
made by:  = Paul Gregutt
Wine correlated: High Pass 2015 Zauberberg Pinot Noir (Willamette Valley)
Like = X
-------------------------------------------
```

```
-------------------------------------------------
9 : Comment
comment =Lively and lush, this is lip-smacking good juice.
rating = 91
like = 0
made by:  = Paul Gregutt
Wine correlated: Wy'East Vineyards 2014 Estate Grown Pinot
Like = X
-------------------------------------------------

Do you want to see 10 more coment? y/n
n

=================================================
what do you want to do?
1 : Put like on a Post
2 : Delete Like on a Post
1

Select a comment to put like :
9
Do you want see the trending post? y/n
```

2.3 Option 3 (My profile)

It shows information about the logged-in user in addition to the list of the friends that they have and all comments that have been written by the logged-in user so far.

```
 Select operation :
 3
====================MY PROFILE==============
Name : Michael Schachner
Country : None
Email : None
Twitter Tag : @wineschach
Followed Friends : 0
Followers : 0
==============LIST OF MY FRIENDS=============
You dont have friends
==============LIST OF MY COMMENTS============
0 : Comment
comment =This reedy smelling, jammy boxed wine is on the cusp of acceptability. It's gooey in feel, a
rating = 80
like = 0
made by:  = Michael Schachner
Wine correlated: Gran Verano 2011 Gran Verano Cabernet Sauvignon (Central Valley)
Like = X
-------------------------------------------
1 : Comment
comment =Aromas of violet petal and gamy berry fruits come with a strong oak-based whiff of sawdust.
rating = 89
```

- It also provides the user the ability to execute the following operations: unfollow a friend, delete one review, delete account, and see a profile of friend.

```
9 : Comment
comment =Rich, oaky and earthy, with char to the bouquet. A little tannic and beefy, but with serious g
rating = 86
like = 0
made by:   = Michael Schachner
Wine correlated: Zolo 2006 Reserve Cabernet Sauvignon (Mendoza)
Like = X
------------------------------------------------

Do you want to see 10 more comment? y/n
n

================================================

What do you want do?
1.  Unfollow a friends
2.  Delete one review
3.  Delete account
4.  See profile of a friend
```

2.4 Option 4 (Search a friend and know new people)

This option provides the user the following options: search a user, see 10 random people that don't follow and see 10 suggested friends.

```
r===================USER===================n
|| 1 See wine menu                          ||
|| 2 Homepage                               ||
|| 3 My profile                             ||
|| 4 Search a friend and know new people    ||
|| 5 Logout                                 ||
L==========================================J

 Select operation :
 4

Select an option
1. Search a user
2. See 10 random people that don't follow
3. See 10 suggested friends
```

1. Search a user: In this option the user will be asked to enter the name of the person they would like to follow and/or see the profile of that person.

```
Select an option
1. Search a user
2. See 10 random people that don't follow
3. See 10 suggested friends
1
Digit the name:
Jim Gordon
name: Jim Gordon
email: None
countryNone
Followers:0
Select operation:
1. Follow
2. See the profile
```

- By choosing the follow option, a follow relation will be added to the graph.
- See the profile option enables the logged-in user from seeing the profile of the inquired person with giving the possibility to put or delete the like on their posts.

```
Select operation:
1. Follow
2. See the profile
2
=============PROFILE=============
Name : Jim Gordon
Country : None
Email : None
Twitter Tag : @gordone_cellars
Followed Friends : 0
Followers : 1
=============LIST OF MY FRIENDS============
He/She doesn't have friends
=============LIST OF COMMENTS MADE============
0 : Comment
comment =Light but enticing jasmine and honeydew melon flavors give this full-bodied,
rating = 90
like = 0
made by:  = Jim Gordon
Wine correlated: Atrea 2016 The Choir White (Mendocino County)
Like = X
```

```
9 : Comment
comment =Harvested late but not sweet, this decadently rich and fruity wine pairs
rating = 92
like = 0
made by:  = Jim Gordon
Wine correlated: Three 2014 Mazzoni-Live Oak Zinfandel (Contra Costa County)
Like = X
-----------------------------------------------

Do you want to see 10 more comment? y/n
n
=================================================

Select operation
1. put like on a post
2. delete like on a post
```

2. See 10 random people that don't follow: It shows the user 10 random people from the network to follow.

3. See 10 suggested people to follow: It shows the user 10 people from the network to

```
Select an option
1. Search a user
2. See 10 random people that don't follow
3. See 10 suggested friends
2

==============Random User for you=============
0 : name: Paul Gregutt    country: None  Followers: 0
1 : name: Anne Krebiehl MW   country: None  Followers: 0
2 : name: Matt Kettmann    country: None  Followers: 0
3 : name: Virginie Boone    country: None  Followers: 0
4 : name: Roger Voss    country: None  Followers: 0
5 : name: Kerin O'Keefe    country: None  Followers: 0
6 : name: Michael Schachner    country: None  Followers: 0
7 : name: Jeff Jenssen    country: None  Followers: 0
8 : name: Lauren Buzzeo    country: None  Followers: 0
9 : name: Susan Kostrzewa    country: None  Followers: 0
==================================================
Select a user to follow :
0
```

follow based on the friends of friends of the user and the posts that have the highest number of likes.

2.5 Option 5(Log out)

It logs the user out from the system.

3. Admin Login

Once choosing the second option from the menu, the program asks for username and password. Upon successful login, the admin menu will appear asking the user to choose one of eight options.

3.1 Option 1(See wine menu and Delete)

the submenu of this option has the following options: Show all wine 10 per times, Search specific wine , and See suggested wine.

1. Show all wine 10 per times: It shows the admin the list of all wine in the database, ten wines for each batch with an option to show more ten each time user presses the "y" letter with possibility to write a comment or see all comments for a specific wine in addition to add and delete a wine. Delete wine deletes the wine with all of its comments.

```
What do you want to do?
1 Write Comment on specific wine
2 See comment of specific wine
3 Delete specific wine
4 Add specific wine
```

3.2 Option 2 (HomePage)

It shows all comments made by the friends of logged-in user with possibility to put or delete the logged user like on a specific comment(post) with an option to see the most top five trending comments made by all users in addition to the possibility for the admin to delete a comment made by another user.

```
 What do you want do?
2
=============List of comment made by friends=============
0 : Comment
comment =This blend of 37% Cabernet Sauvignon, 37% Shiraz and 26% Merlot boasts assertive
rating = 88
like = 0
made by:  = Lauren Buzzeo
Wine correlated: Neil Ellis 2010 The Left Bank Red (Western Cape)
Like = X
---------------------------------------------
1 : Comment
comment =This is a juicy, fruit-forward selection, boasting vibrant notes of red cherry,
rating = 86
```

```
Do you want to see 10 more coment? y/n

n

===================================================
what do you want to do?
1 : Put like on a Post
2 : Delete Like on a Post
3 : Delete comment
```

3.3 Option 3 (My profile)

It shows information about the logged-in user in addition to the list of the friends that they have and all comments that have been written by the logged-in user so far. It also provides the user the ability to execute the following operations: unfollow a friend, delete one review, delete account, and see a profile of friend.

3.4 Option 4 (Find friends or new people)

This option provides the admin similar functionality to the normal user and it has the following options: search a user, see 10 random people that don't follow and see 10 suggested friends.

3.5 Option 5 (Browse all comments and Delete)

This option allows admin to browse all comments with delete option.

3.6 Option 6 (Browse user and Ban/delete)

It provides two options which are Search Specific User and Ban and Browse all user and Ban

```
 What do you want do?
6
What do you want do?
1.   Search Specific User and Ban
2.   Broswe all user and Ban
```

1. Search Specific User and Ban and Elect: The admin can enter the name of the user to see their information and can do the following operations: Follow, See the profile, and Ban user. Ban user deletes the user with all comments and likes that they already made.

```
What do you want do?
1.   Search Specific User and Ban
2.   Broswe all user and Ban
1
Digit the name:
Leonardo
name: Leonardo
email: leo@mail.com
countryita
Followers:0
Select operation:
1. Follow
2. See the profile
3. Ban user
4. Elect user to ADMIN
|
```

2.Browse all User and Ban and Elect: The admin can enter the name of the user to see their information and can do the following operations: Follow, See the profile, Ban user or elect to admin.

Ban user deletes the user with all comments and likes that they already made.

```
=============BROSWE USER==============
0: name : Anne Krebiehl MW  country:   followers: 0
1: name : Bashar  country:   followers: 0
2: name : Christina Pickard  country:   followers: 0
3: name : Domenico  country:   followers: 0
4: name : Fiona Adams  country:   followers: 0
5: name : Jeff Jenssen  country:   followers: 0
6: name : Jim Gordon  country:   followers: 0
7: name : Joe Czerwinski  country:   followers: 0
8: name : Kerin O'Keefe  country:   followers: 0
9: name : Lauren Buzzeo  country:   followers: 0

Do you want to see 10 more users? y/n
|
```

3.7 Option 7 (Social Network statistics)

This option has three options inside that allows the admin to show to the following statistics: See top 5 country according to the average rating, See top 10 user with highest n comments they have done per variety, and See top 50 wines and price lower than a specific threshold and highest average rating.

```
what do you want to do?
1 : See top 5 country according to the rating
2 : See top 10 user with highest n° comment per variety
3 : See top 50 wines and price with price lower than X and highest average rating
```

3.8 Option 8(Log out)

It logs the admin out from the system.

4. Register new User

This option allows to create a normal user in the system. To register a new user, the user, username, password, twitter tag, country, and email are asked to the user to be entered.

```
┌==================MENU==================┐
║ 1 User Login                          ║
║ 2 Admin Login                         ║
║ 3 Register new User                   ║
└=======================================┘
 What do you want do?
3
==================Registration phase===================
=============Register new User ===========
Please enter your username:
John
Please set your password:
0000
Please set your twitter tag:
@John
Please set your country:
Italy
Please set your email:
John@example.com
```