

WISHLIST APP - Python/SQL Project

Authors: Bartłomiej Kuźma, Maciej Odziemczyk

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The WISHLIST APP is an application (now available only in terminal), developed for solving one of the biggest problem during occasions like Christmas, when you, your family and friends are going to buy some gifts for each other. The main problem is: „Who wants what?” - For a buyer, and „Ehh I don't know how to say him/her what is my dream, what a shame, I'll get socks, like one year ago...” - for a beneficiary. The WISHLIST APP is also ideal choice when you have got many groups in your society, and you want to target specific wishlist to specific group of potential buyers. In WISHLIST APP, it is forbidden to choose one wish from wishlist several times, so the situation, where one person get the same wish two times is impossible! The WISHLIST APP is also very discreet, you can still make a surprise for your beneficiary, but only a good surprise with a gift that he/she really want! In WISHLIST APP, other users, belonging to the same group, could see only what wishes are choosen, and the beneficiary could not even see which wishes form his/her wishlist is already choosen, so he/she know what could expect (because of he/she wrote a wishlist), but doesn't know what he/she will get (of course if more than one wish is included in wishlist).

Here is a little guide for new users, (but the application is pretty simple ☺). Welcome in the WISHLIST APP World!

The structure of application is pretty simple - we have got three menus - first for register and login, second for Wishlists and third for Groups.

1. LOGIN/REGISTER MENU:

After launching an app, you can see the monit for login or register. Its intuitive, you have to enter „L” when you want to login, or „R” when you want to register. Don't worry on missclicks, the WISHLIST APP has full error handling ☺.

```
***** WISHLIST APP *****  
  
To login press 'L', to register press 'R': █
```

a) REGISTER

After „R” button the register form is displayed.

```
Register  
  
Enter your login: █
```

Full form with filled fields looks like that:

After completing the form correctly, you will be redirected to the login panel.

```
Enter your login: YourLoginHere  
Enter your password: YourPasswordHere  
Confirm your password: YourPasswordHere  
Enter your e-mail address: YourEmailHere@email.com  
Enter your name: YourNameHere  
Enter your surname: YourSurnameHere  
Enter your zip code: 00-000  
Enter your city: YourCityHere  
Enter your street: YourStreetHere  
Enter your house number: 10  
  
Logging in  
  
Login: █
```

b) LOGIN

```
To login press 'L', to register press 'R': l

Logging in

Login: YourLoginHere
Password: YourPasswordHere

Welcome YourNameHere

Wishlists press 'L' Groups - 'G' ('Q' to quit):
```

After correct authorization, you can choose between LISTS menu and GROUPS menu.

```
Wishlists press 'L' Groups - 'G' ('Q' to quit): l

Lists
To add list press 'A', to view existing lists press 'V' ('R' to return):
```

2. LISTS MENU

That is the main panel of the Lists menu - here you can add a wishlist or view your other existing lists.

```
To add list press 'A', to view existing lists press 'V' ('R' to return): a

Add new list
Enter your dream here (if you want to stop press 'S'):
```

a) ADDING A NEW LIST

After „A” button, you could enter your dreams and add it to the list. You can stop adding new things by pressing „S” button - then you will get an information about correctly added list.

```
Add new list
Enter your dream here (if you want to stop press 'S'): First Dream
Enter your dream here (if you want to stop press 'S'): Second Dream
Enter your dream here (if you want to stop press 'S'): Third Dream
Enter your dream here (if you want to stop press 'S'): s

Wishlist added successfully!

To add list press 'A', to view existing lists press 'V' ('R' to return):
```

b) VIEWING EXISTING LIST

After „V” button you could view lists, you created before, and here is a place, where you could edit or delete it. Simply press „E”, if you want to edit or „D”, if you want to delete. To choose a specific list, enter the number displayed above. If you want to pick up List 1 you have to enter 1. Simple.

```
To add list press 'A', to view existing lists press 'V' ('R' to return): v
```

```
View existing lists
```

```
List 1
```

```
['First Dream', 'Second Dream', 'Third Dream']
```

```
To edit existing list press 'E', to delete existing list press 'D' ('R' to return):
```

I) EDITING EXISTING LIST

Here, you have got separated wishes from chosen wishlist. Firstly you have to delete a wish you don't want to have on your list anymore, then you have to enter a new wish.

Deleting wishes:

```
List 1
```

```
['First Dream', 'Second Dream', 'Third Dream']
```

```
To edit existing list press 'E', to delete existing list press 'D' ('R' to return): e
```

```
Choose list you want to edit ('S' to stop): 1
```

```
['First Dream', 'Second Dream', 'Third Dream']
```

```
1. First Dream
```

```
2. Second Dream
```

```
3. Third Dream
```

```
Which wish you want to delete ('S' to stop):
```

Adding wishes. After full path, you will get an information about succesfully updated list.

```
List 2
['First Dream', 'Second Dream', 'Third Dream']

To edit existing list press 'E',to delete existing list press 'D' ('R' to return): e
Choose list you want to edit ('S' to stop): 2
['First Dream', 'Second Dream', 'Third Dream']
1. First Dream
2. Second Dream
3. Third Dream
Which wish you want to delete ('S' to stop): 3
1. First Dream
2. Second Dream
Which wish you want to delete ('S' to stop): Fourth Dream
One of displayed integer should be entered, ('S' to stop): s
1. First Dream
2. Second Dream
Enter your next dream here ('S' to stop): Fourth Dream
1. First Dream
2. Second Dream
3. Fourth Dream
Enter your next dream here ('S' to stop): s
Wishlist updated succesfully!
```

II) DELETE EXISTING LIST

Here, you pick up a list, you want to delete, and get a confirmation. Simple.

```
To add list press 'A', to view existing lists press 'V' ('R' to return): v

View existing lists

List 1
['First Dream', 'Second Dream', 'Fourth Dream']

To edit existing list press 'E',to delete existing list press 'D' ('R' to return): d
Choose list you want to delete: ('S' to stop): 1
Delete successful!

To add list press 'A', to view existing lists press 'V' ('R' to return):
```

3. GROUPS MENU

Here, you have got three possible ways - Create a new group, Join to existing, or view groups you belong to.

```
Wishlists press 'L' Groups - 'G' ('Q' to quit): g

Groups
Create group 'C', Join existing group 'J', View your groups 'V' ('R' to return):
```

a) CREATING NEW GROUP

In this panel, you have to enter a name of your group (eg. Your First Group) and then insert one of your wishlist into it. After successfully proces, you will get a confirmation, now is pretty obvious, you always get a confirmation ☺. Remember - you can insert only one wishlist to one group - that is a rule (you could try of course, but like it was written before, WISHLIST APP has got lots of shields - for your safety of course ☺).

```
Wishlists press 'L' Groups - 'G' ('Q' to quit): g

Groups
Create group 'C', Join existing group 'J', View your groups 'V' ('R' to return): c
Create new group
Group creating menu.
Enter group name ('S' to stop): Your First Group
Your lists:
1. ['First Dream', 'Second Dream', 'Fourth Dream']
Which one you want to add to this group ('R' to return): 1
Group #3 'Your First Group' added succesfully!
Create group 'C', Join existing group 'J', View your groups 'V' ('R' to return):
```

b) JOINING TO EXISTING GROUP

In this part of application you will be asked to enter a name of group you want to join. Don't worry if you don't remember a full name, application is going to help you!

```
Create group 'C', Join existing group 'J', View your groups 'V' ('R' to return): j
Group joining menu.
Enter name of the group you want to join ('S' to stop): other group
Did you mean "Other Group" instead? [Y] - yes:
```

After entering a name of group, you will be asked to choose a list you want to add to this group. Remember the rule - one group, only one list - here is an example of nasty user, who was trying to add a wishlist added to other group before.

```
Group joining menu.  
Enter name of the group you want to join ('S' to stop): other group  
Did you mean "Other Group" instead? [Y] - yes: y  
Your lists:  
1. ['First Dream', 'Second Dream', 'Fourth Dream']  
Which one you want to add to this group ('S' to stop): 1  
This wishlist has been assigned to group "Your First Group" before.
```

Here, is a full, correct path, of course with confirmation.

```
Groups  
Create group 'C', Join existing group 'J', View your groups 'V' ('R' to return): j  
Group joining menu.  
Enter name of the group you want to join ('S' to stop): Other Group  
Your lists:  
1. ['First Dream', 'Second Dream', 'Fourth Dream']  
2. ['Other Dream 1', 'Other Dream 2', 'Other Dream 3']  
Which one you want to add to this group ('S' to stop): 2  
Group #4 'Other Group' joined successfully!
```

c) GROUP VIEWING

Final part of your happy buyer path! Here, you could view all of your groups, and pick this one that you want to open for more information (choose a number in front of group name).

```
Create group 'C', Join existing group 'J', View your groups 'V' ('R' to return): v  
Group viewing menu.  
Your groups:  
3 Your First Group  
4 Other Group  
  
Which group you want to open ('R' to return): █
```

After opening, you have got two possible actions - „S” select wishlist in which you want to choose a wish or „L” - leave the group.

```
To select wish press 'S', to leave group press 'L' ('R' to return): r
Group viewing menu.
Your groups:
3 Your First Group
4 Other Group

Which group you want to open ('R' to return): 4

Maciej Odziemczyk
Test 1
Test 2
Test 3

YourNameHere YourSurnameHere
Other Dream 1
Other Dream 2
Other Dream 3

To select wish press 'S', to leave group press 'L' ('R' to return):
```

a) SELECTING A WISH

Here, you have got listed all users belonging to choosen group. Pick your future beneficiary by choosing a number in front of name and surname (you can not pick up yourself - application will stop you). After that, wishes from choosen wishlist will be listed.

```
To select wish press 'S', to leave group press 'L' ('R' to return): s

#11 Maciej Odziemczyk
#12 YourNameHere YourSurnameHere

In which list you want to select wish ('R' to return): 11

#11 Maciej's Odziemczyk wishlist:
1. Test 1
2. Test 2
3. Test 3

Which wish you want to select ('R' to return):
```


By entering a number in front of wish, you select it and you are asked for a confirmation.

```
#11 Maciej's Odziemczyk wishlist:
1. Test 1
2. Test 2
3. Test 3

Which wish you want to select ('R' to return): 3

Test 3

Are you sure that you want select that wish (Y/N)?: y

Wish selected successfully
```

... And that's a result - choosen wish is putted into brackets and now it is impossible to choose it by other groupers. Of course, you will get a confirmation of correct wish selection.

```
#11 Maciej's Odziemczyk wishlist:
1. Test 1
2. Test 2
3. (Test 3)

Which wish you want to select ('R' to return): 3

This wish is already selected!
```

b) GROUP LEAVING

Press „L” like Leaving, confirm, get confirmation. Simple.

```
To select wish press 'S', to leave group press 'L' ('R' to return): 1

Are you sure you want to leave this group? Y/N: y

You left group successfully

Create group 'C', Join existing group 'J', View your groups 'V' ('R' to return):
```

CLOSING AN APPLICATION

Hit „Q” when you have to choose lists or groups menu. Bye!

```
Wishlists press 'L' Groups - 'G' ('Q' to quit): q
```

```
Bye!
```

So, that's all, now you are an expert of WISHLIST APP and you know how to create, view, edit, delete lists, create, join, view, leave groups and select wishlists and wishes with no limits! Hope the „Christmas problem” never comes to you again! Thank you for reading.

Best Regards,

Bartłomiej Kuźma and Maciej Odziemczyk

PS. This app was written and tested in Pycharm and Atom IDE.