DOCUMENTATION FOR MY SOCIAL MEDIA APP

1- Execution Guideline

When you start the app, it is the first window that you will face. If your account has been created, you can just type your information and sign in. If you do not have an account, you have to click sign up button to register.

This panel is for registering to app. You have to type your information and click to sign up to register. If you want to go back to sign in page you can just click back button.

(IMPORTANT = Age must be an integer.)
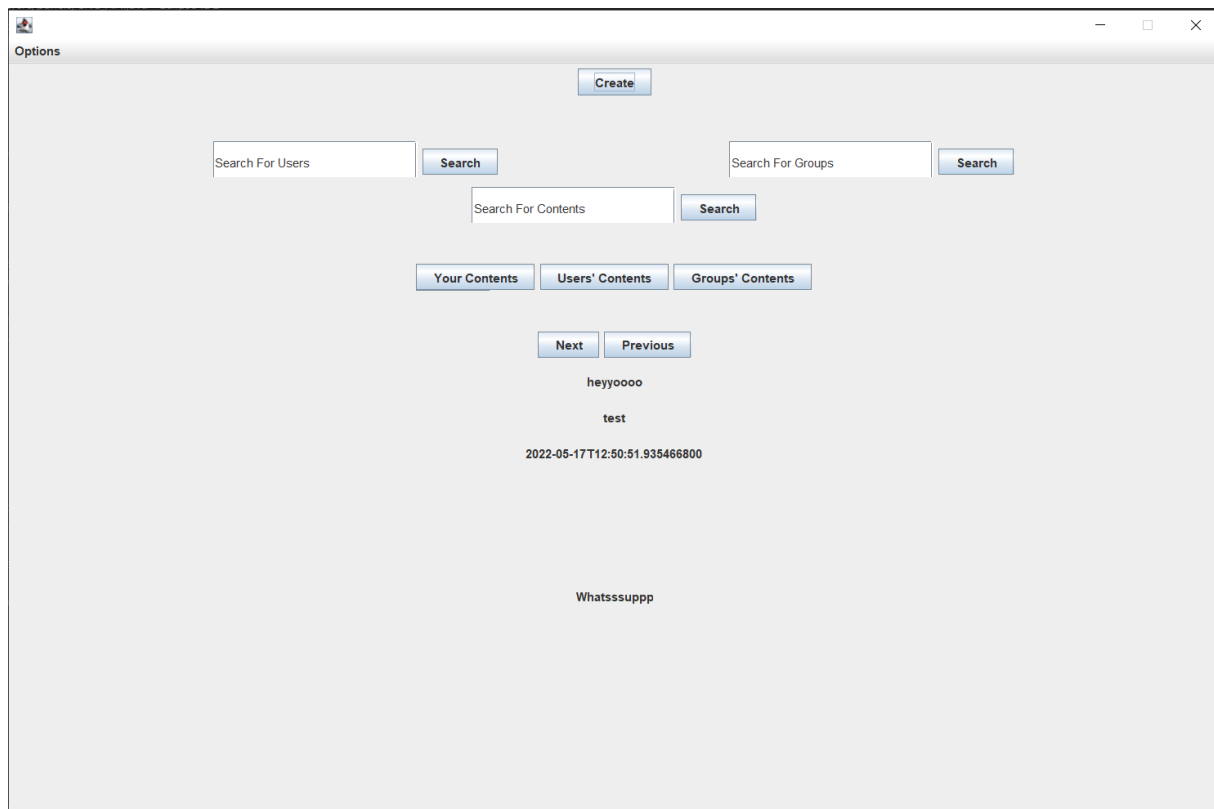
When you sign in, this window will open. You can:

create contents with create button,

search for contents with their titles,

search for groups with their names,

search for users with their nicknames,

display your contents,

display users' contents that you follow,

display groups' contents that you are in,

you can go next content with next button,

you can go previous content with previous button.

The content panel displays title, nickname, creation time, image (if any), text from top to bottom.
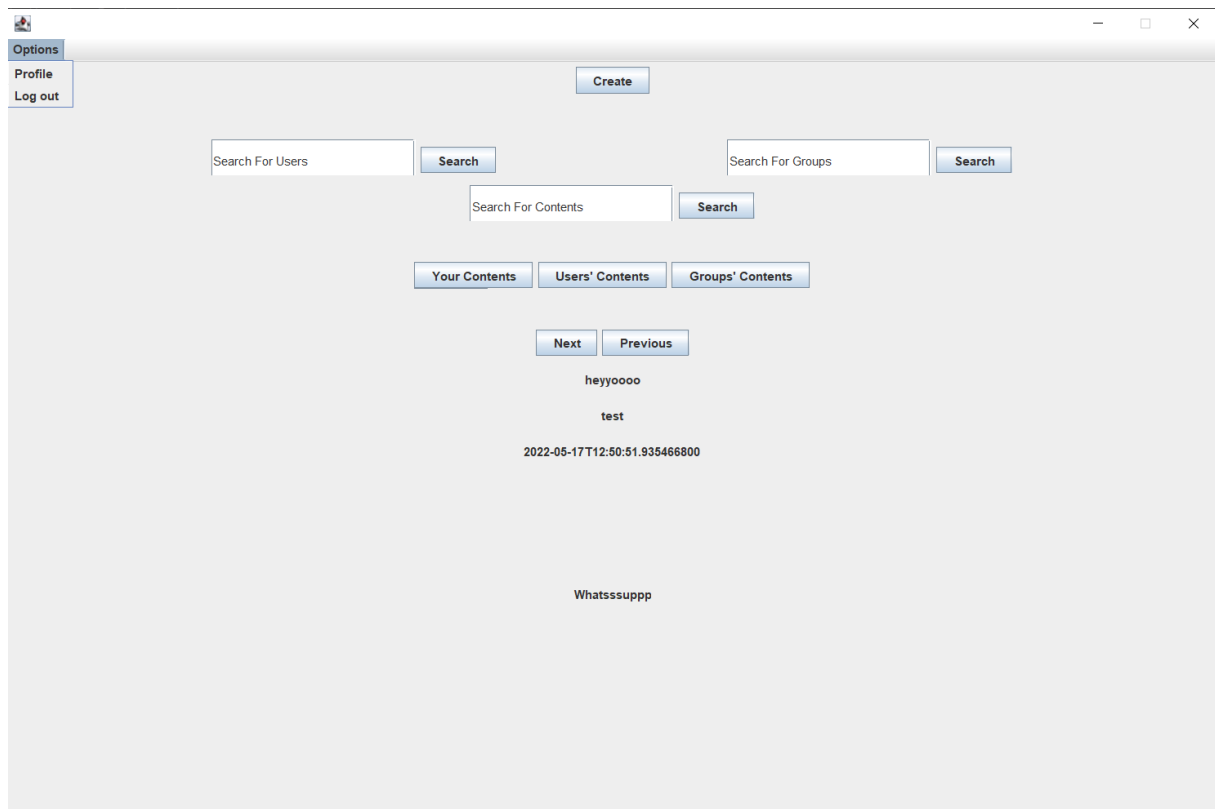
Home page has a menu bar and it has an option menu. In option menu, there are two choices. You can click profile if you want to go your profile page. Or you can just log out.

When you click create button on home page, this window will pop up. You can type what you want, upload an image if you want with select an image button and post it. If you want to cancel and go back, you can just click back.

(IMPORTANT: Image's height must be less than 100px and should be in .jpg format.)

Nickname = coolNick

Real Name = James

Surname = Bond

Country = USA
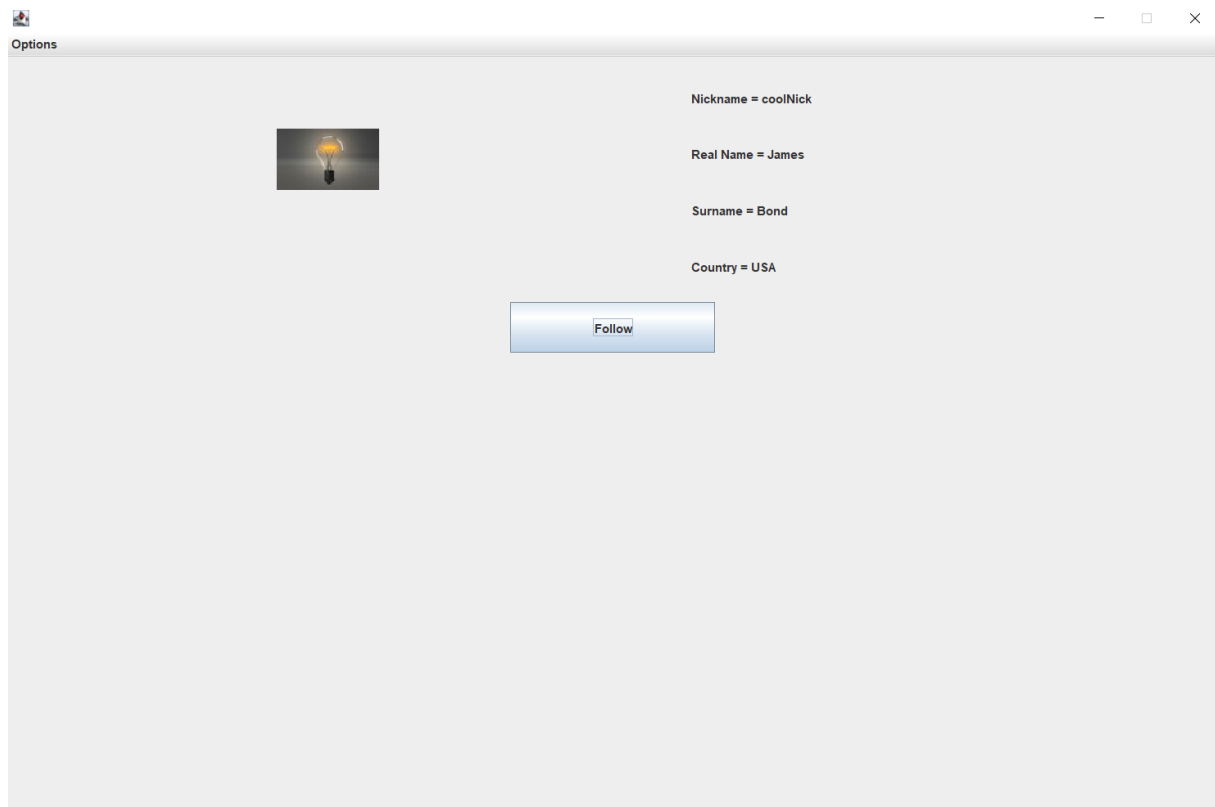
Follow

This window will pop up if you have searched for a user that you are not following. If you want to follow him or her, just click follow button.
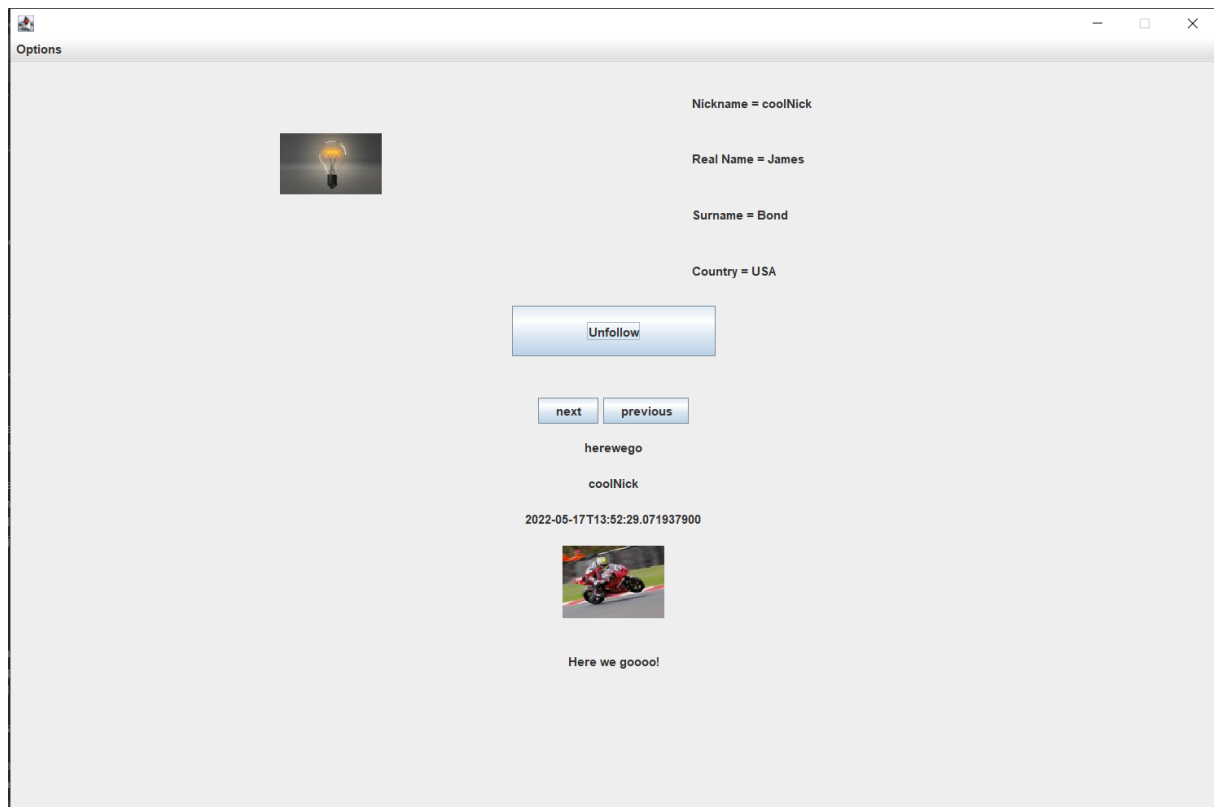
This window will pop up if you have searched for the user that you follow. You can unfollow this user with unfollow button. On the top left corner, you can see user's profile photo and the top right corner, there is an information tab about user. Also, you can display user's contents.

example

test

2022-05-17T14:13:29.924726300

comeon

Back
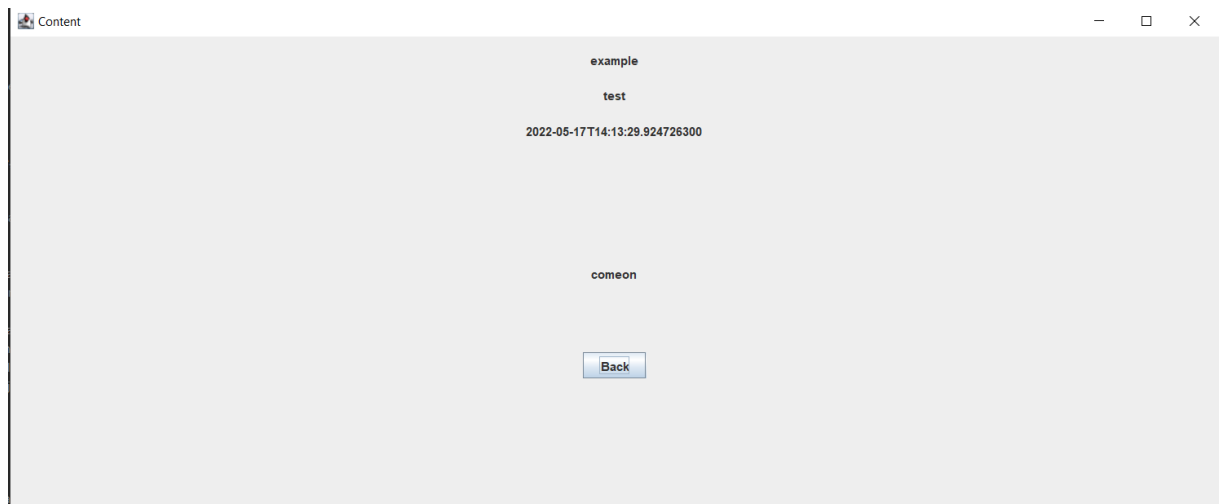
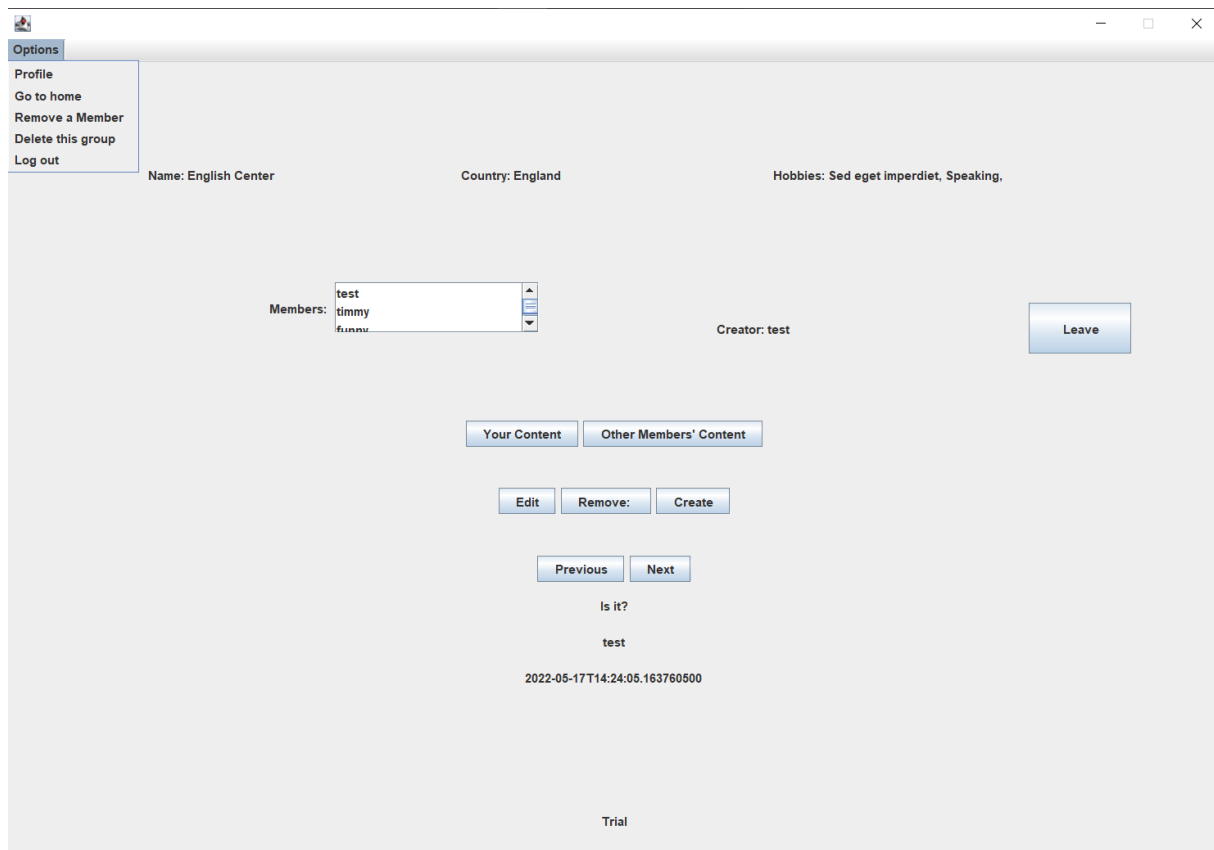This content panel will pop up if you have searched for a content with its title on the home page.
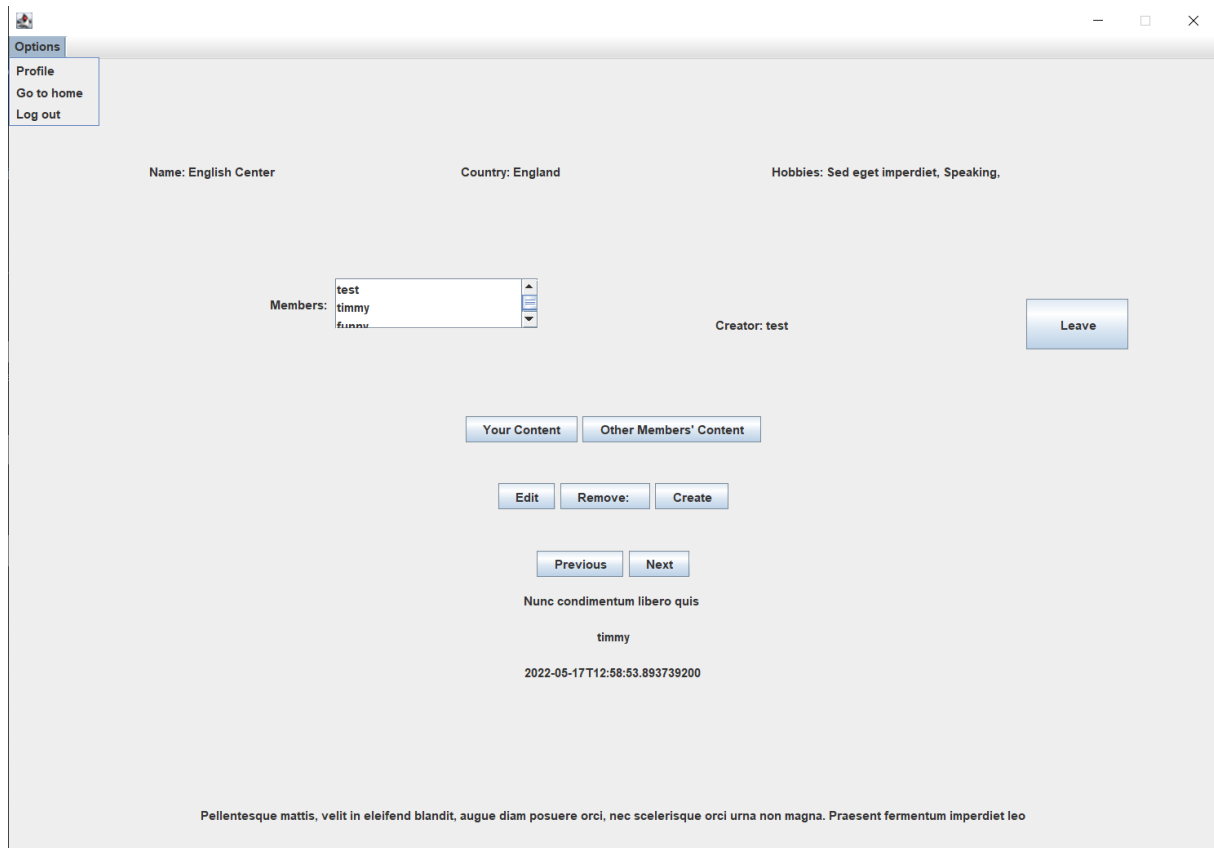
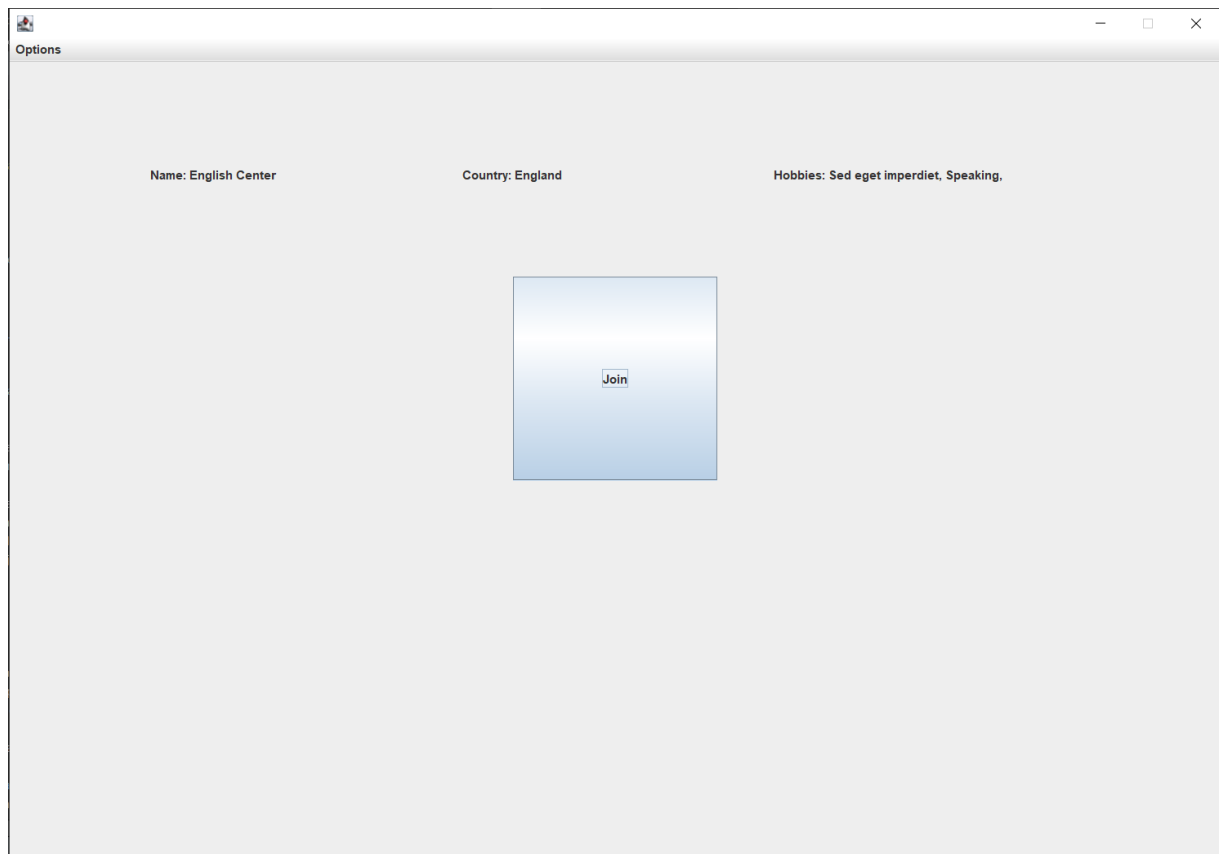This is the group page that you are a member. You can leave your group with leave button. You can display your contents in the group and other members' contents in the group. You can edit or remove your contents in the group. Also, you can create a new content in the group.

This is the group page where you are the creator. You can remove members or delete the group in addition to non-creator members.

Name: English Center   Country: England   Hobbies: Sed eget imperdiet, Speaking,

Join

This is the group page that you are not a member of. You can join this group if you click to join button.
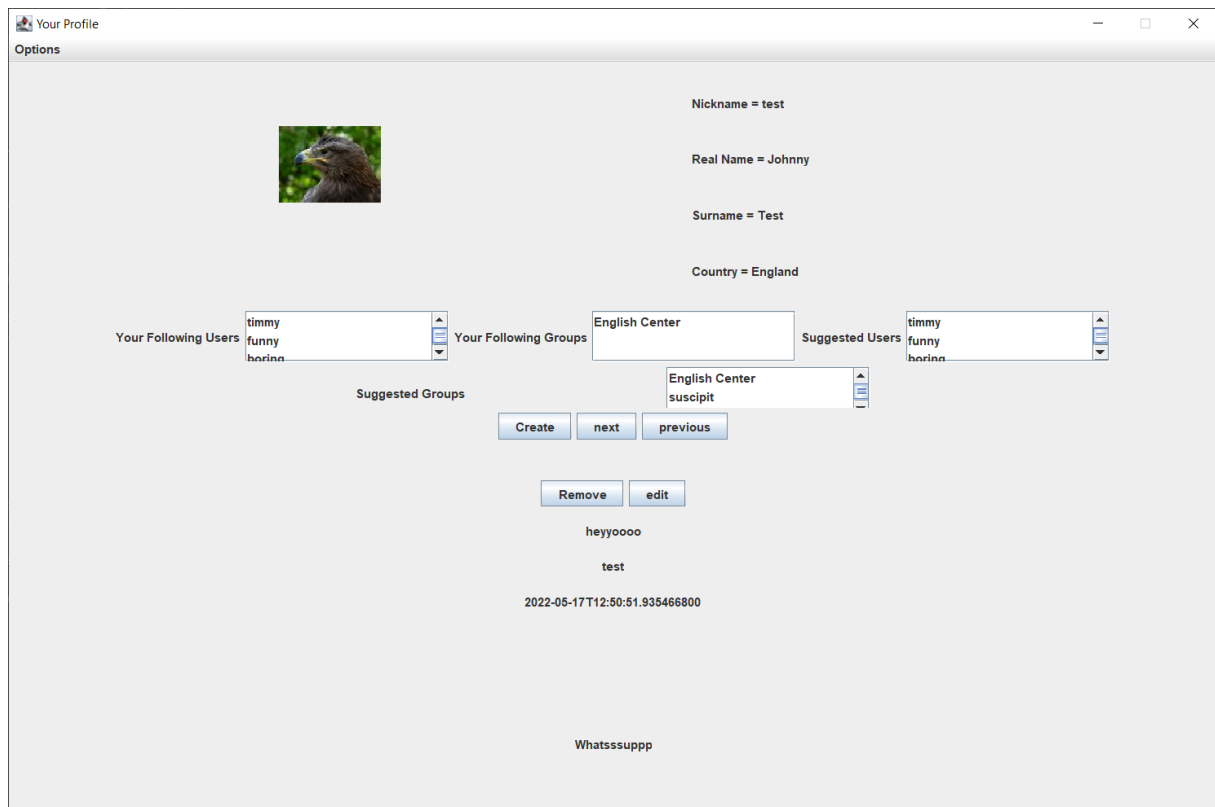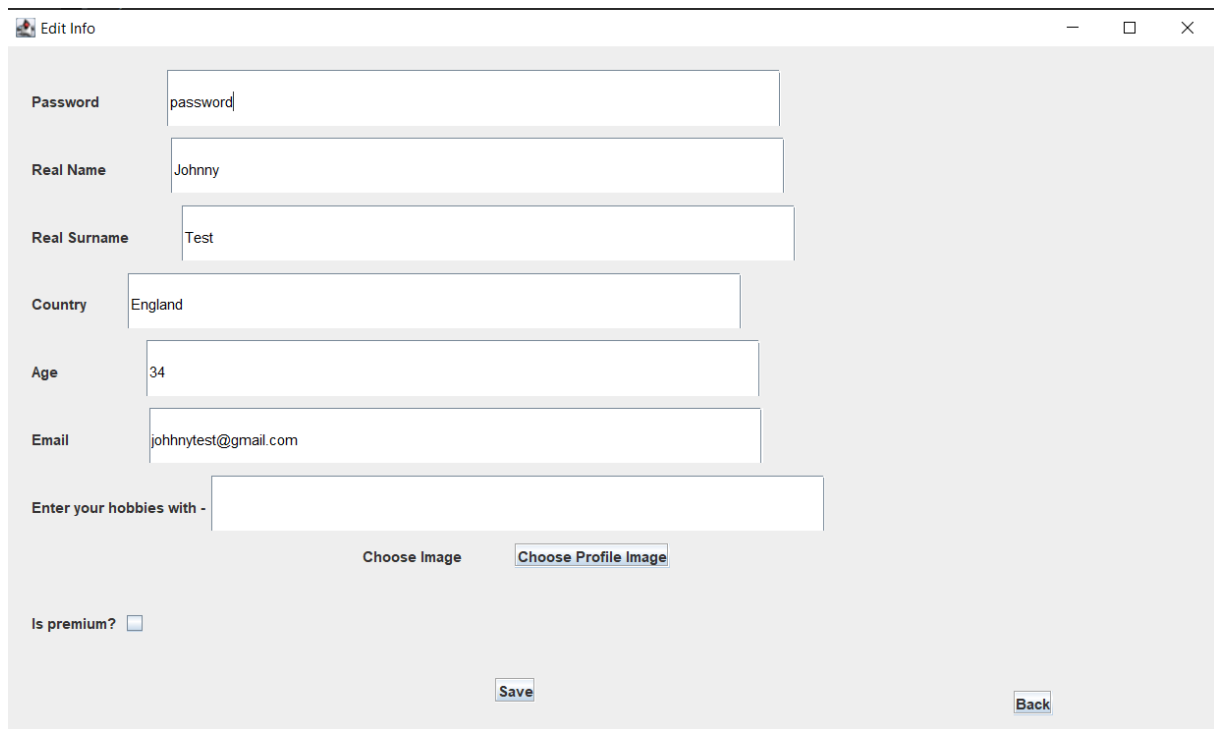
This is your profile page. You can create, display your contents. You can display your suggested users and groups and your currently following users and groups.
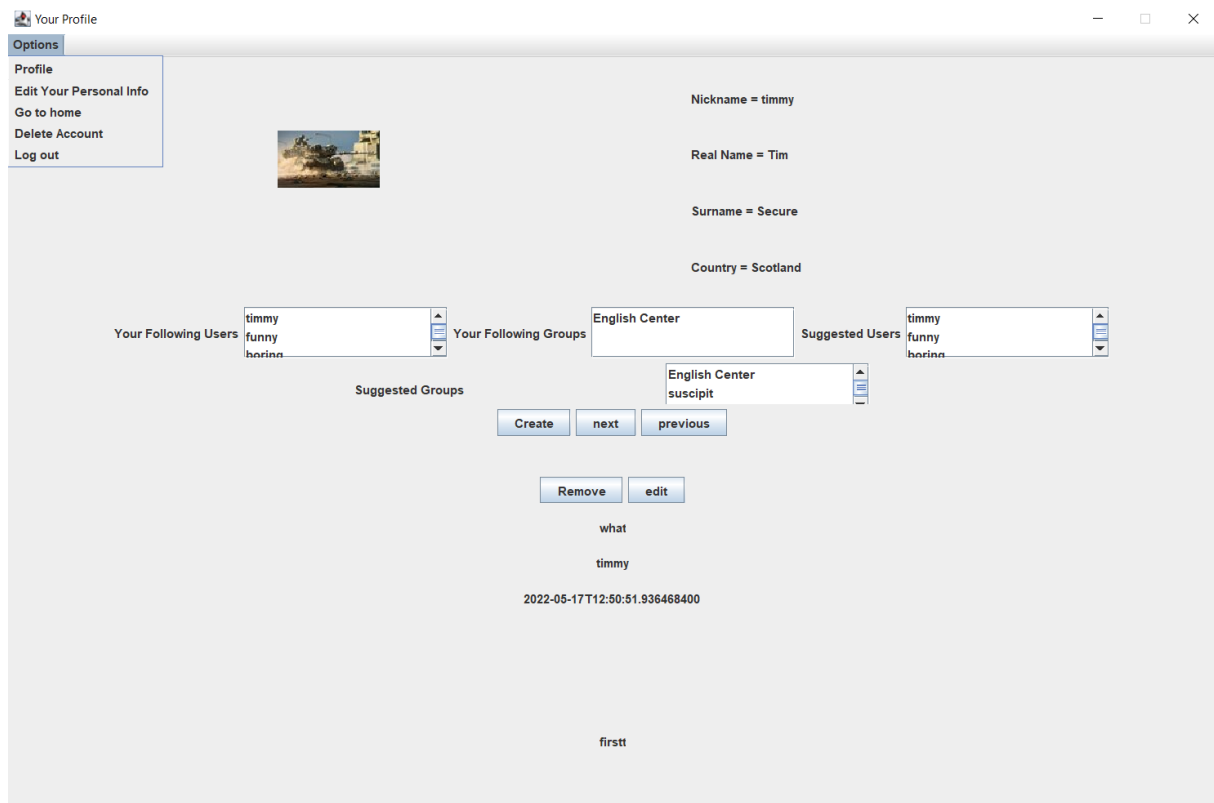
For non-premium users, options tab looks like this. You can edit your personal information, delete your account, go back to home page or log out from your account.
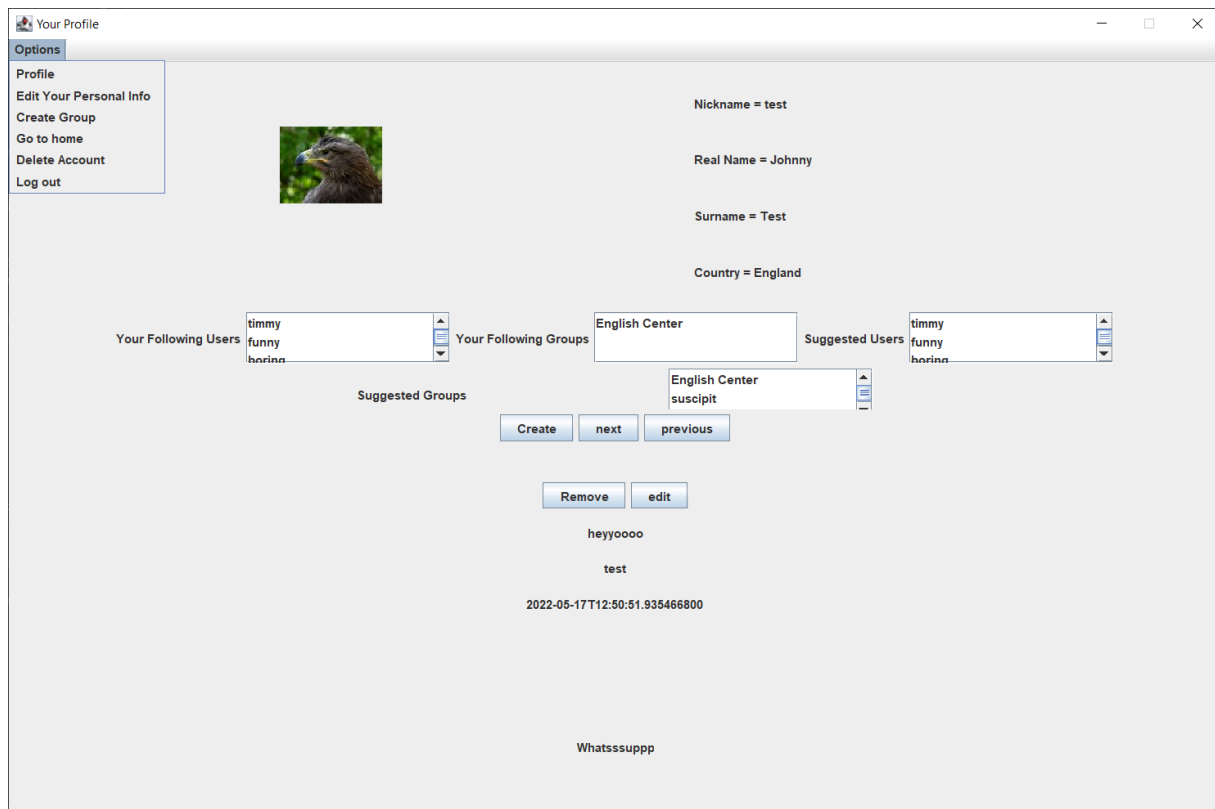
For premium users, options tab looks like this. In addition to non-premium users, premium users can create groups from options tab.

This is the window that pop up when you click on "Edit Your Personal Info". You can change your personal information here.

(Important: Your age must be an integer. Image's height must be less than 100px and should be in .jpg format.)

This is the window that pop up when you click on "Create Group" on your profile page. You can create a group with typing the information and clicking to create button. You can cancel this process with back.

2- Explanation of Project

What I used:

- Inheritance
- Classes and Objects
- Files and Streams
- Regular Expression
- Collections
- Arrays
- Methods
- Control Structures
- Java Swing

Tools of Java Swing that I used:

- JFrame
- JPanel
- JLabel
- JList
- JScrollPane
- JFileChooser
- JButton
- JMenuBar, JMenuItem, JMenu

My implemented types for my classes are:

- Comparable
- ActionListener

My code design:

- I have created 6 packages:
- Demo
- Pages
- fileFilterForImages
- Panels
- Storage
- utilityPanels

Packages and their classes:

Demo:

- This is the package that includes main method. It starts my application. Moreover, since we do not know much about databases, it includes my data for demo.

Pages:

- It contains 6 classes:
    - GroupPage
    - HomePage
    - OtherProfilePage
    - SignInPage
    - SignUpPage
    - YourProfilePage
- These are the main frames. Also, they have long actionPerformed methods because of buttons.

fileFilterForImages:

- This includes one class:
    - FileFilterForImages
- I use this class for filtering images with .jpg extension. It extends FileFilter class.

Panels:

- This package includes 7 classes:
    - ContentPanel
    - GroupInformation
    - NextLine
    - SearchContentsPanel
    - SearchGroupsPanel

- o SearchUsersPanel
- o UserInformation
- These are the panel templates that I used in my frames.
- All of them extends to JPanel.
- ContentPanel displays the content.
- GroupInformation and UserInformation displays the information of a group and user respectively.
- I used NextLine to go to the next line. It is nearly an empty class.
- Search panels are functional panels to search.

Storage:

- This package includes 3 classes:
  - o Content
  - o Group
  - o User
- These are the main back-end classes of my application. Information store in these classes.
- Also, there are plenty of methods of user because they can do many things in the application. For example, joining or leaving a group, following or unfollowing a user.

utilityFrames:

- This package includes 6 classes:
  - o CreateGroup
  - o EditContentGroup
  - o EditContentProfile
  - o EditInfo
  - o ShowContent
  - o CNC_API (Create New Content API)
- These are the utility frames which can be opened from menu bar.
- CreateGroup opens a window for creating a group.
- EditContentGroup opens a window for editing a content of a group.
- EditContentProfile opens a window for editing a content of a user.
- EditInfo opens a window for edit personal information.
- ShowContent opens a window for showing a searched content.
- CNC_API opens a window for creating a new content.

Reference that I used:

- https://www.youtube.com/watch?v=Kmgo00avvEw&ab_channel=BroCode