

Capstone Design (1)

User Manual



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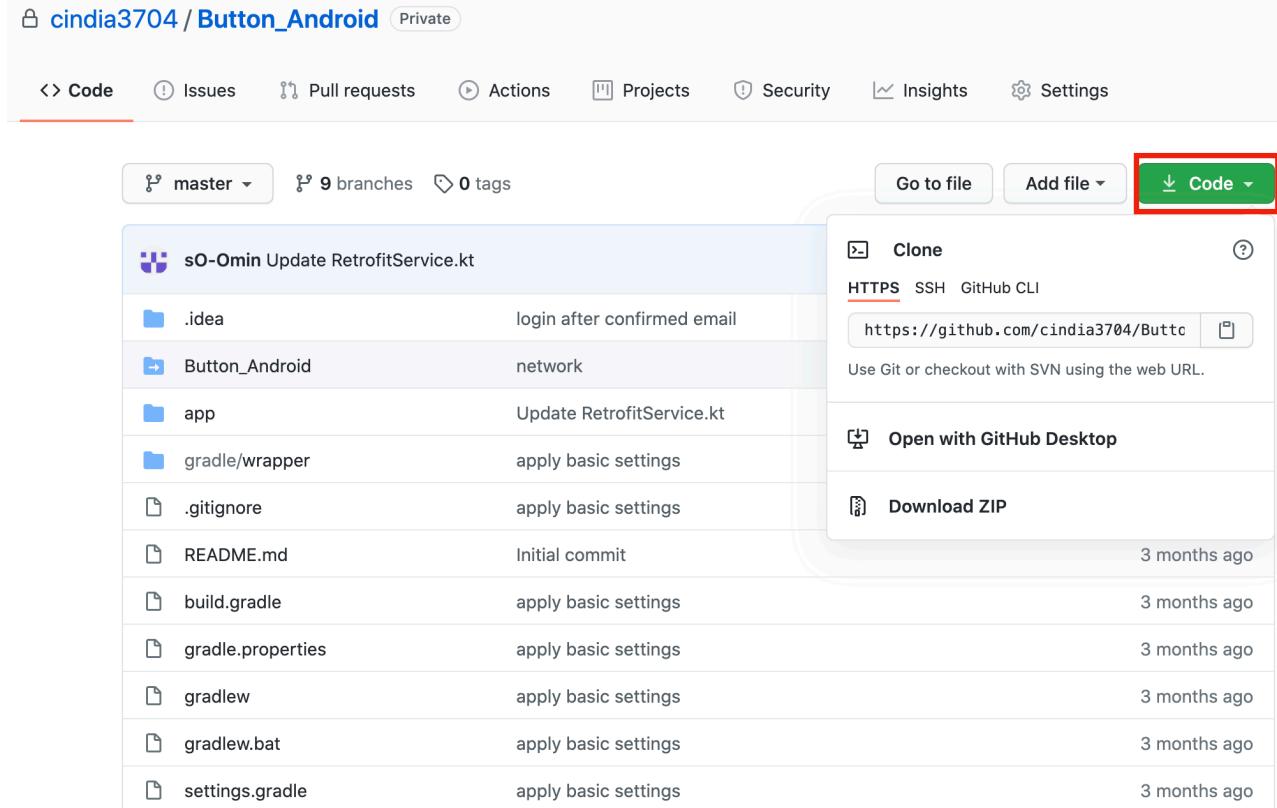
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[Download and run 'button' application]

If the application gets distributed though 'Google Play Store' it can be installed through the store. However, the application is not yet distributed, therefore it has to be installed through github as follows:

First, access the following website: https://github.com/cindia3704/Button_Android

Now clone or download the project by clicking on the green button as the image below shows.



cindia3704 / Button_Android (Private)

Code Issues Pull requests Actions Projects Security Insights Settings

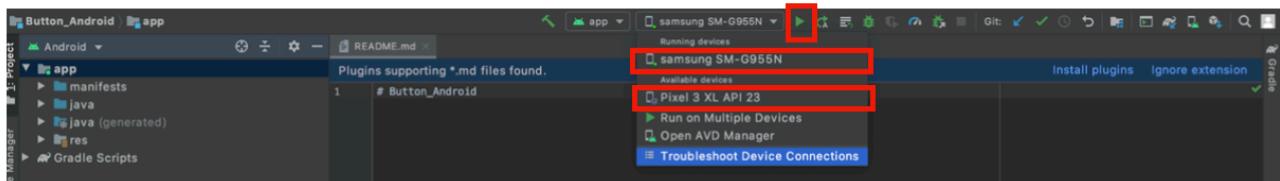
master 9 branches 0 tags Go to file Add file Code

so-Omin Update RetrofitService.kt

File	Description	Last Commit
.idea	login after confirmed email	3 months ago
Button_Android	network	3 months ago
app	Update RetrofitService.kt	3 months ago
gradle/wrapper	apply basic settings	3 months ago
.gitignore	apply basic settings	3 months ago
README.md	Initial commit	3 months ago
build.gradle	apply basic settings	3 months ago
gradle.properties	apply basic settings	3 months ago
gradlew	apply basic settings	3 months ago
gradlew.bat	apply basic settings	3 months ago
settings.gradle	apply basic settings	3 months ago



Then, a folder named "Button_Android" will be created in your computer. Open this folder through "Android Studio".



To run the application, you should first choose the device that you are going to install the project. You could either connect your own physical device to the computer and install the app on your android mobile phone, or choose to install though the emulator provided by Android Studio. After you choose the device, click on the green triangle button as shown in the image above.

If the application is installed successfully, you will be able to see our 'button' app on the screen as shown below, and if you click on the icon, you will be directed to 'button' application's starting page. If you tap the orange button in the starting page, you will be directed to the login page.



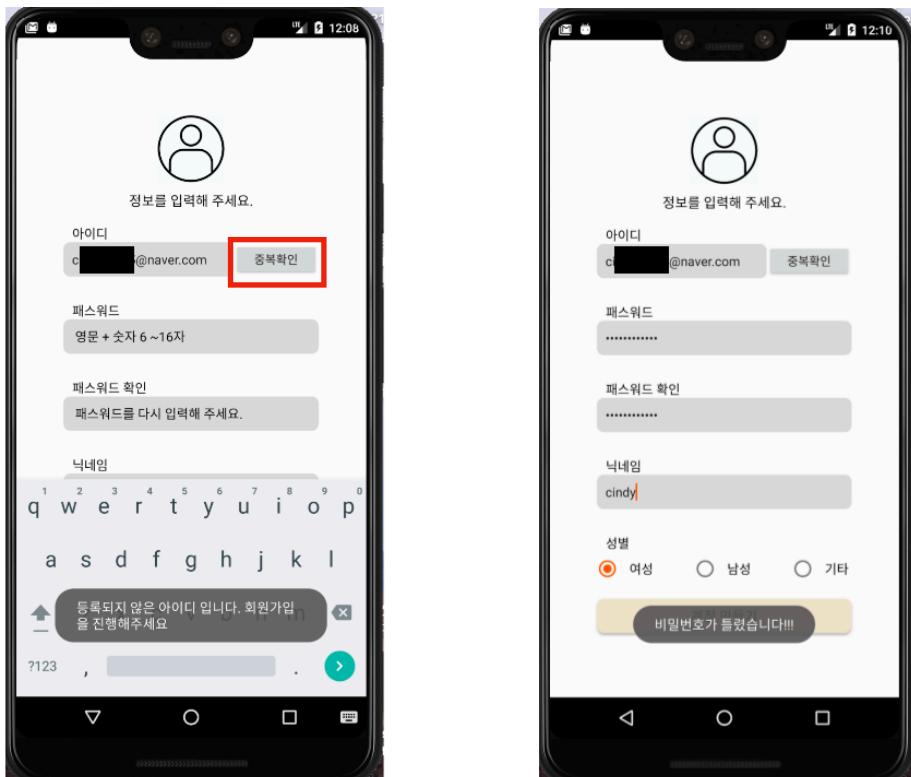
[Use 'button' application]

1. Manage User

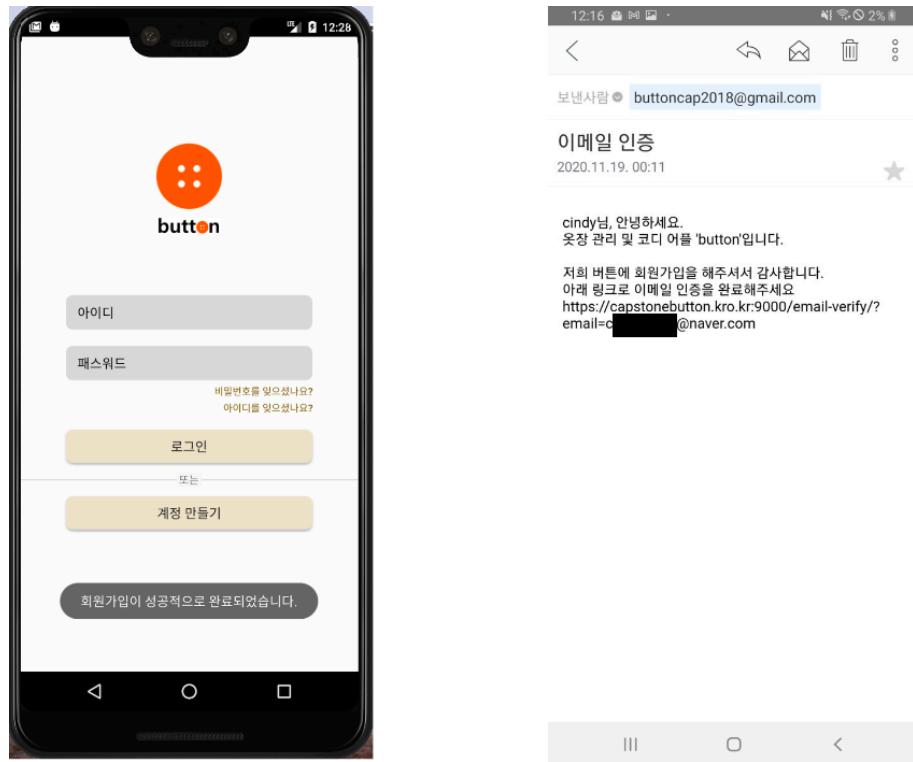
- **Register & Verification of email**

The user could register to our 'button' through the following page.

Enter the email to register and check for duplicates. If the email is available to use, continue inserting all the information necessary. If the password and password check doesn't match a toast message will appear to inform this.

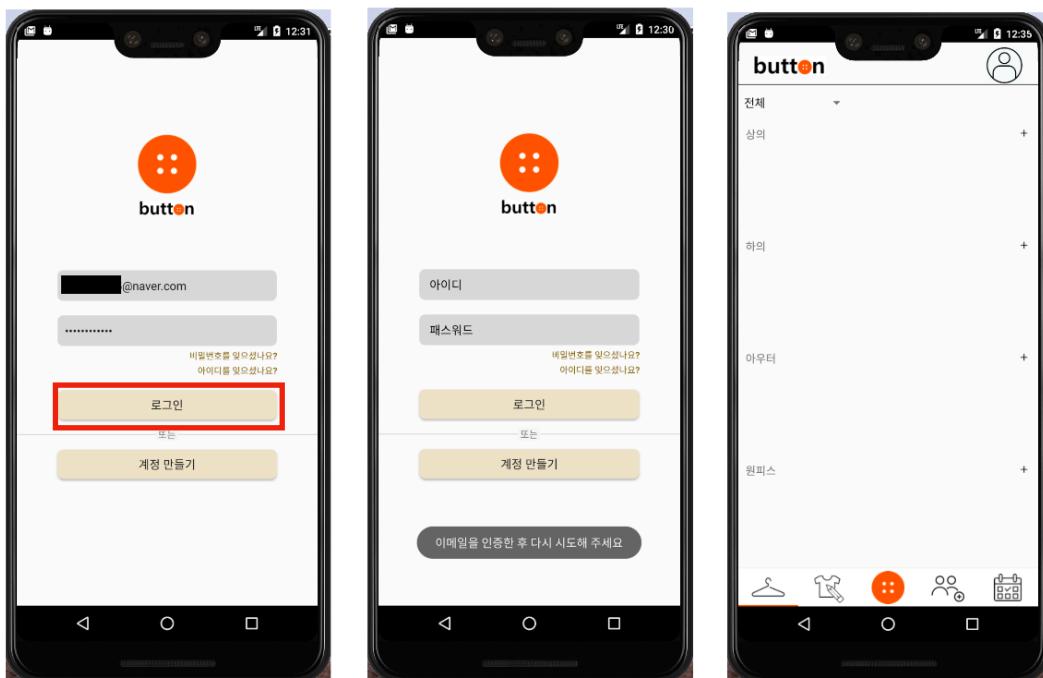


When you hit "Register" a toast message informing that the registration was successful will appear and a verification email like the image below (on the right) , will be sent to the email that you used to register.
Follow the Instruction in the email, and click on the link to complete the verification process.



- **Login**

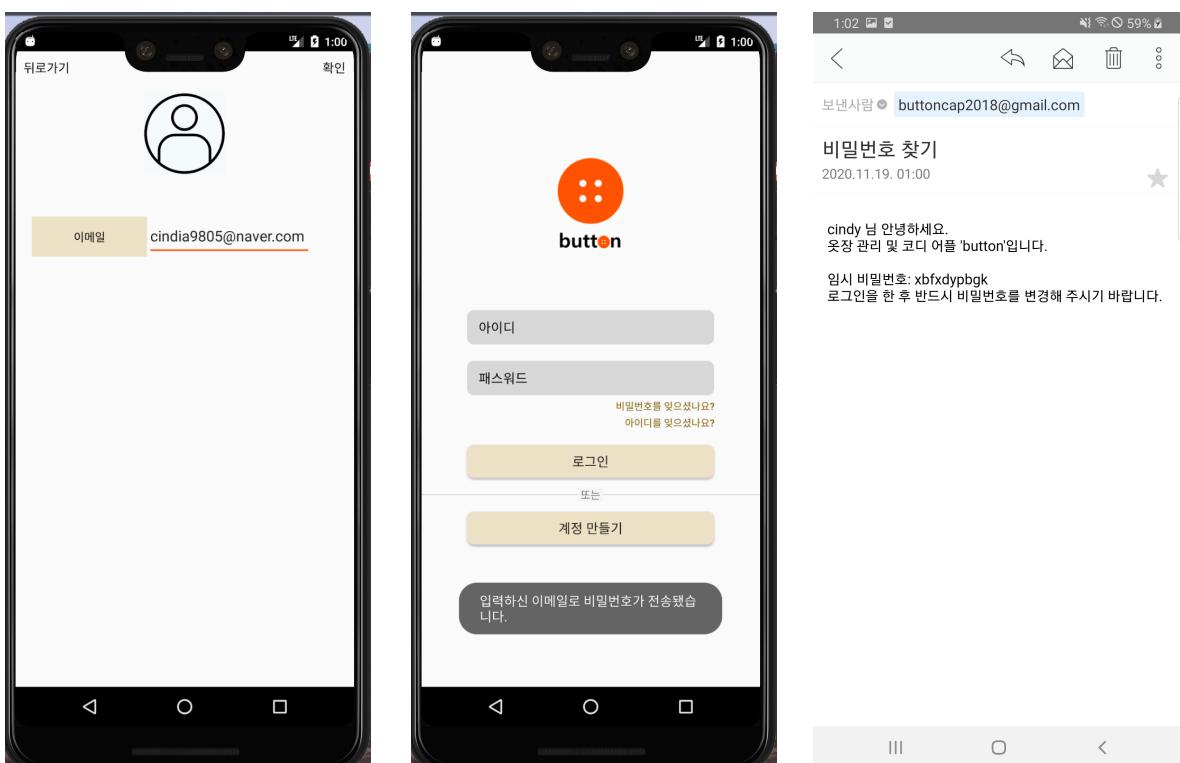
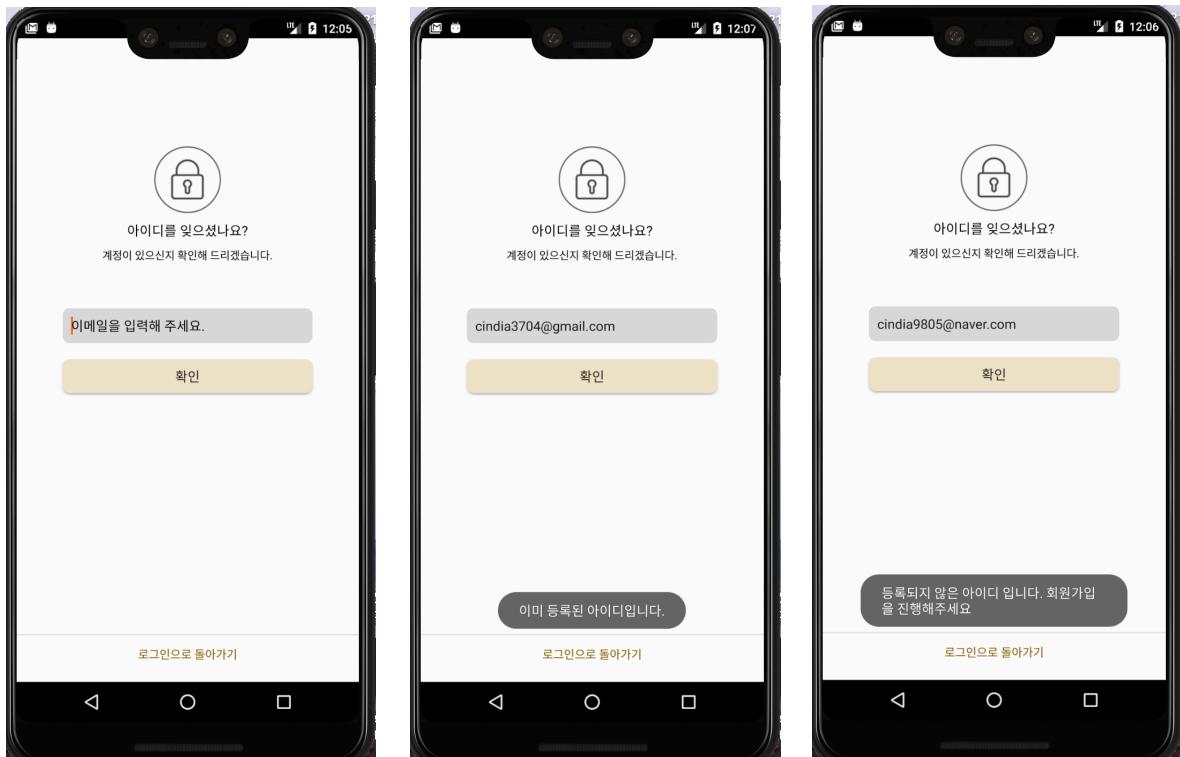
Fill in the correct email and password to login. Make sure that you verify your email before logging in, or else the application will remind you to and you won't be able to login before the verification is complete. If the login process is successful, the "My closet" page will appear on the screen as the image below shows.



- **Find User email / password**

When you forget your email or password, click on the "find email" or "find password" in the login page.

For finding your email, you can enter the email that you think you've registered with. If the email entered exists in 'button', a toast message will appear stating "the following email exists" else, a toast message will appear stating that "the following email does not exist, please proceed registration." The 3 images below show this.



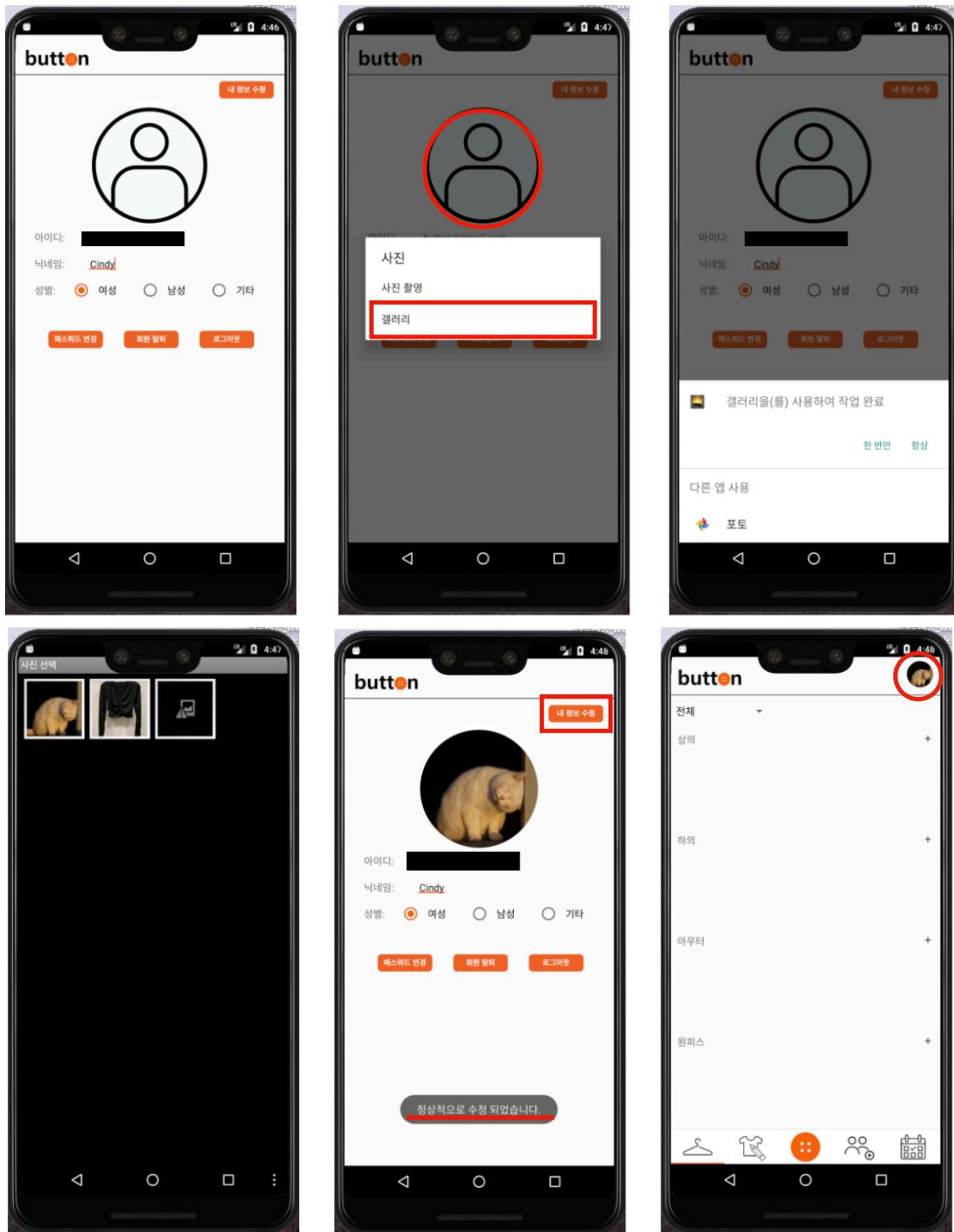
For finding password, the user should insert their email address that they wish to find the password of. Then, an email will be sent to the corresponding email address, containing temporary password, to login with. The 3 images above shows this situation.

- **My Profile**

To access the my profile page, click on the person icon on the upper right corner of our application.

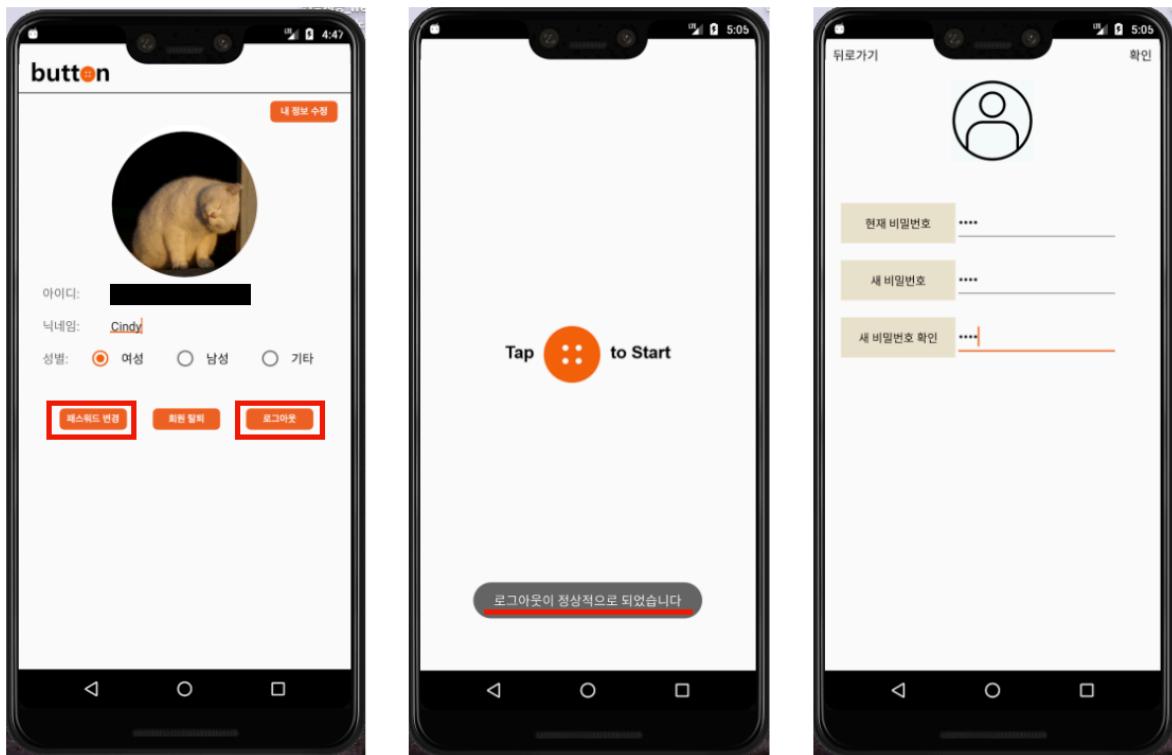
You can manage your account in this "my profile" page.

If you want to add a profile picture, you just have to click on the person icon as shown in the image below and the application will allow you to choose either to take a photo or choose from the gallery.



If you'd like to change your nickname or gender you could do so by filling in the "nickname" and "gender" field with the right information and click on "modify my information" to save the changes. Then a toast message will appear, telling the user that the modification was successful. Also, if a profile picture is added, the icon in the main page will change to the profile picture as shown in the image above.

You could also logout of your account by clicking on the "logout button". Then a toast message telling the user that the logout was successful will appear on the screen and the user will be redirected to the start page of our application as shown in the image below. You could also delete your account in this page. If you delete your account, all information of clothes, outfit, friends, etc will be deleted from the application's database.



- **Change password**

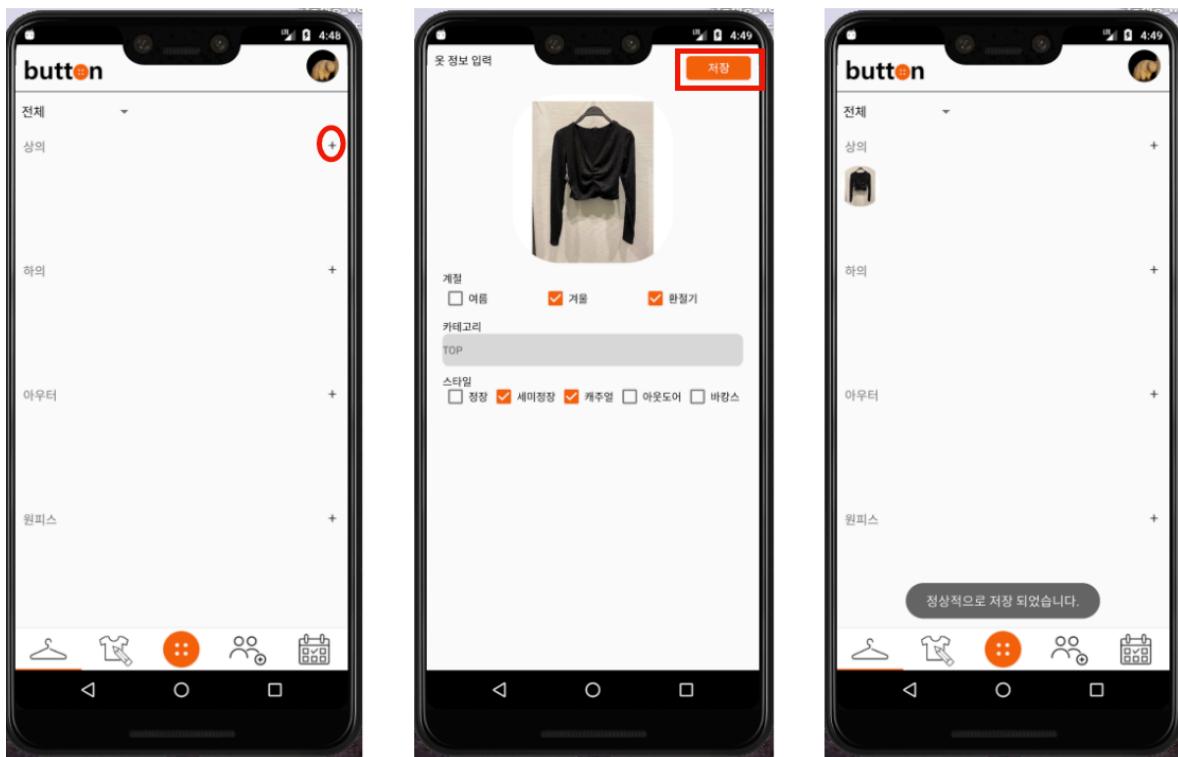
You could change your password by clicking on the "Change password" button. This will ask for your current password and the new password that you want to change to and new password check as shown in the image above. If your password is reset successfully, the toast message will appear telling that the modification was successful.

2. Manage Closet

- **Upload clothes**

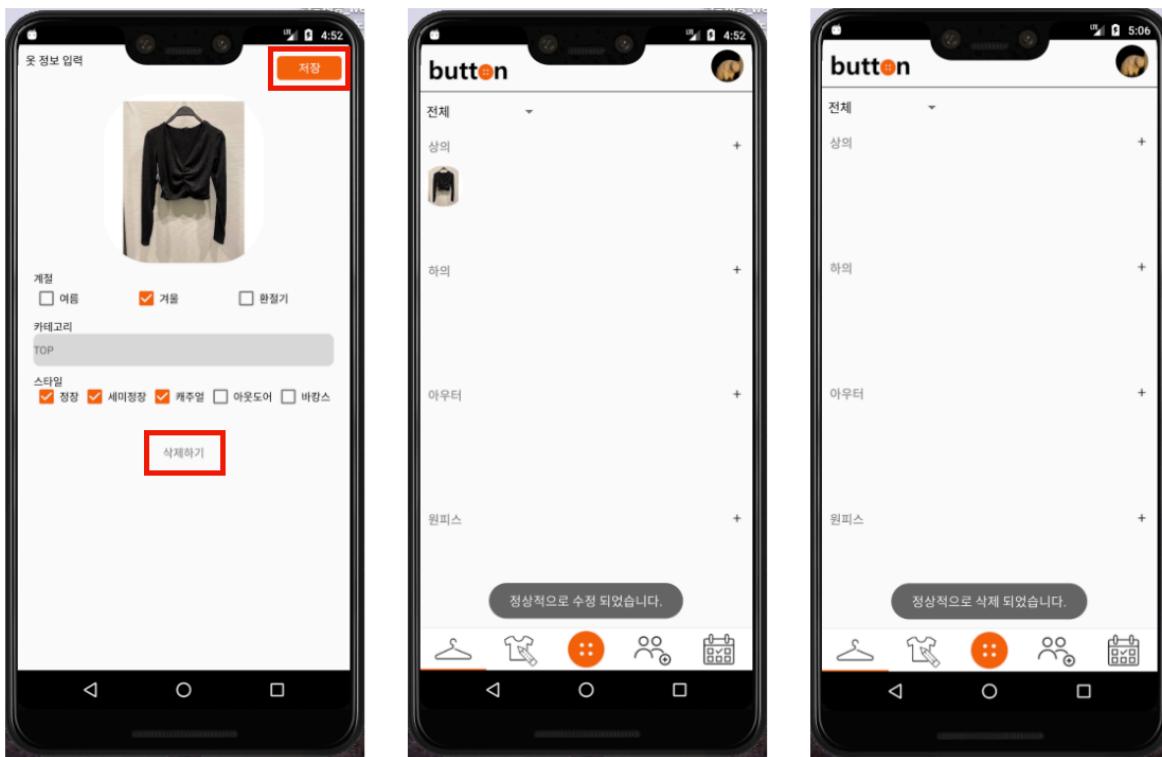
Upload photos of your clothes from your closet by clicking plus sign next to each categories. There are four categories (top, bottom, outer, dress) for female user and three categories (top, bottom, outer) for male user. The user can choose whether to take a new photo or upload existing photo from user's album. If you want to add new "top" cloth, click on plus button next to the top category. Do same with other categories. Upload photo and fill in the other required information : season, and style (only for "top" and "one-piece" category)

After all information is applied, click on the save button then the cloth will be uploaded to the closet as you can see in the image below



- **Change cloth information**

If you want to change any information of your saved clothes in the closet, click on the corresponding cloth. You can change any information on the specific information page. After changing all information, click on the "save" button to complete the modification process.



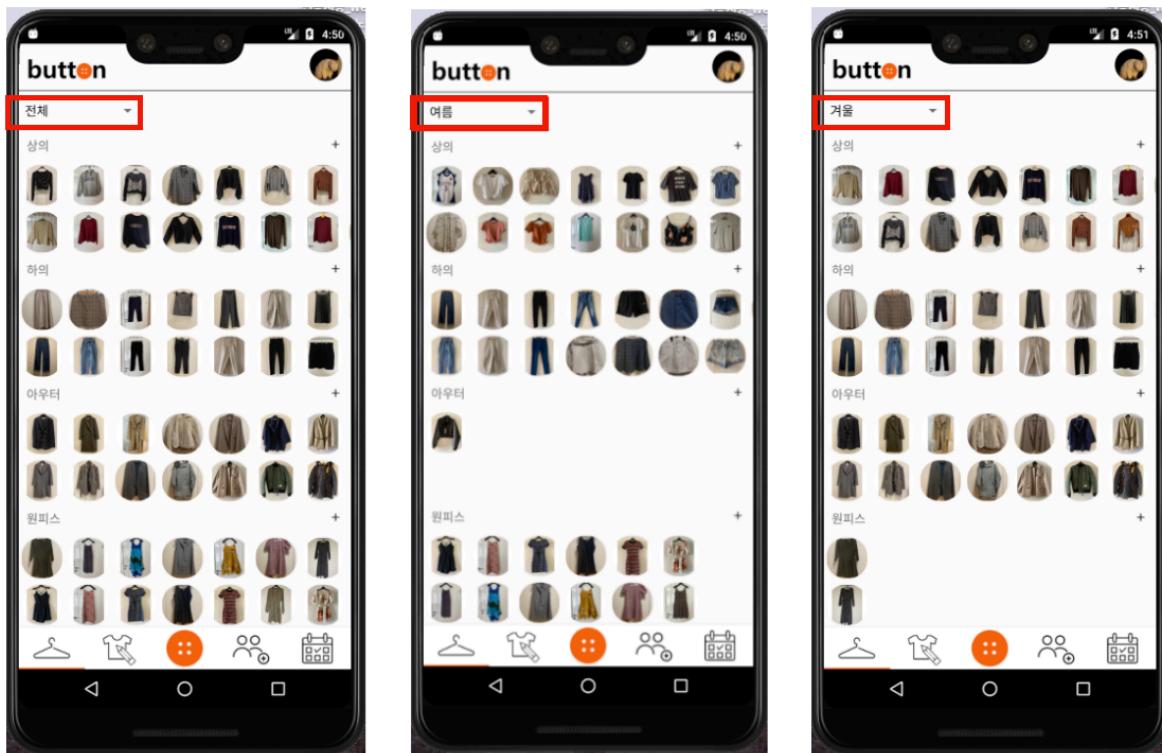
- **Delete Cloth**

If you want to delete existing cloth, click on the corresponding cloth from your closet. Then, the "specific information" page will appear (same page as the change cloth information process) Then, just click on the delete button located as the bottom of this

page (See the image above). Then, this cloth will be deleted from the user database and all the outfits that include this cloth will also be deleted.

- **See clothes by season**

On the top right corner, there is a dropdown box for four options (all, winter, summer, and in-between season). The default is in the 'all' section, which shows all clothes of the user. By choosing one option from this dropdown box, you can see clothes that matches the season you chose. The clothes are sorted based on how the user inserted information of the season of the clothes. The images below shows how the closet of the user changes according to each options.



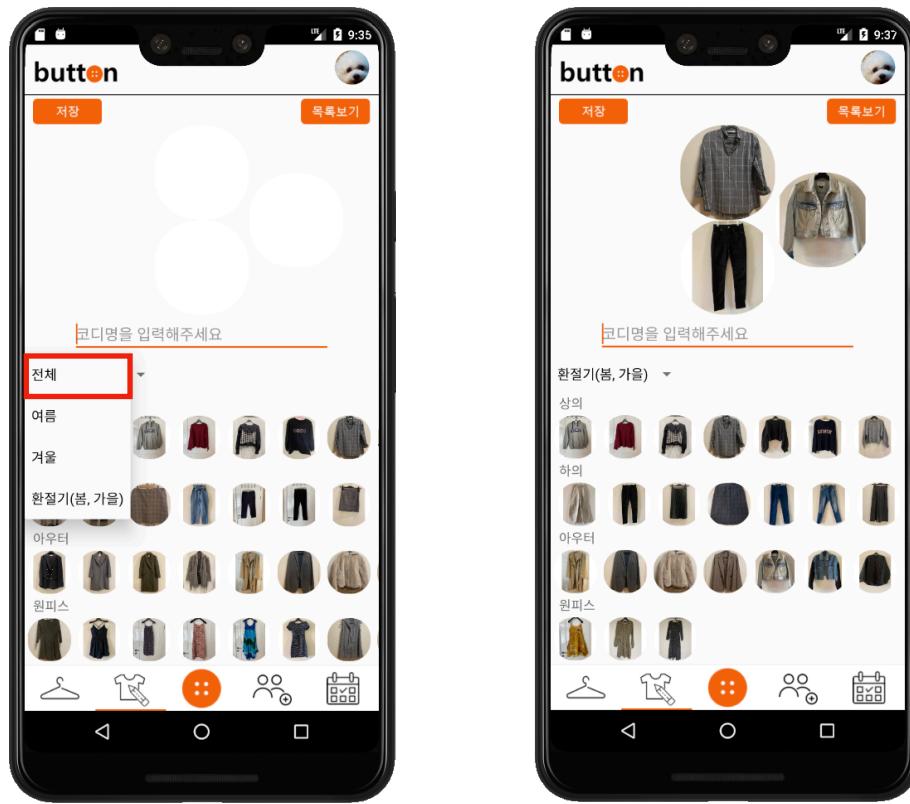
3. Coordinate outfit by myself

- **Add outfit (see clothes by season when coordinating)**

Go to coordinate outfit by myself by clicking the second bottom navigation tab's second tab. You can see all the clothes you added by categories at the bottom half. Seeing clothes by season is also available on this page. By clicking each clothes picture, you can instantly see the outfit on the top half.

Top and bottom will be placed vertically and outer is optional. You can add outer by clicking outer picture and change it to other outer by clicking other outer picture. When you click the chosen outer, outer will be deleted from the outfit coordination. You can easily add it by re-clicking the outer anytime. For the user's convenience, photo size of clothes are larger than the one shown in My closet section. You can scroll clothes in each category horizontally to see more clothes.

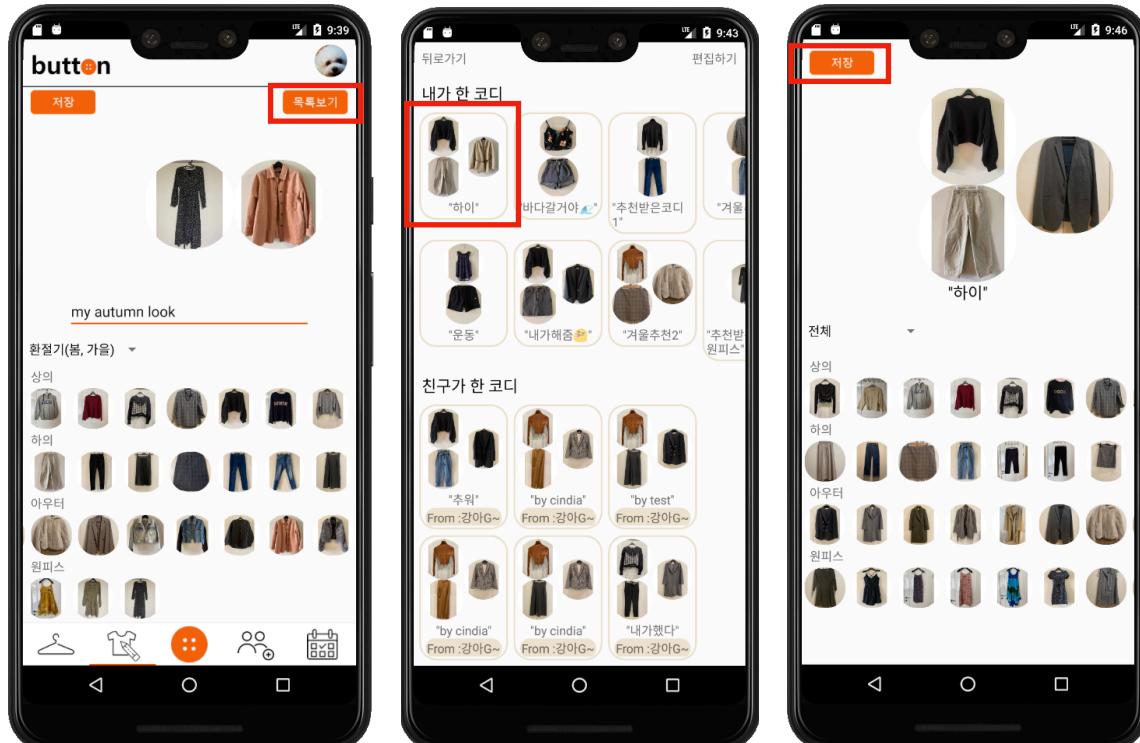
For female users, you can choose dress when making an outfit. When dress is selected, top half is changed for users to choose dress and outer(optional). Re-selecting and removing works same with top-bottom-outer outfit.



When you make your own outfit, write the name or short messages of your outfit and click "save" button on the top left corner. Your outfit will be added to your outfit list.

- **Modify / Delete outfit**

Click the "see list" button at the top right corner. Here you can see all the outfits that you made before or that your friends made it for you. When you want to modify the existing outfit, just click on the outfit and you will see modifying outfit page. Change clothes or



messages and save it again.

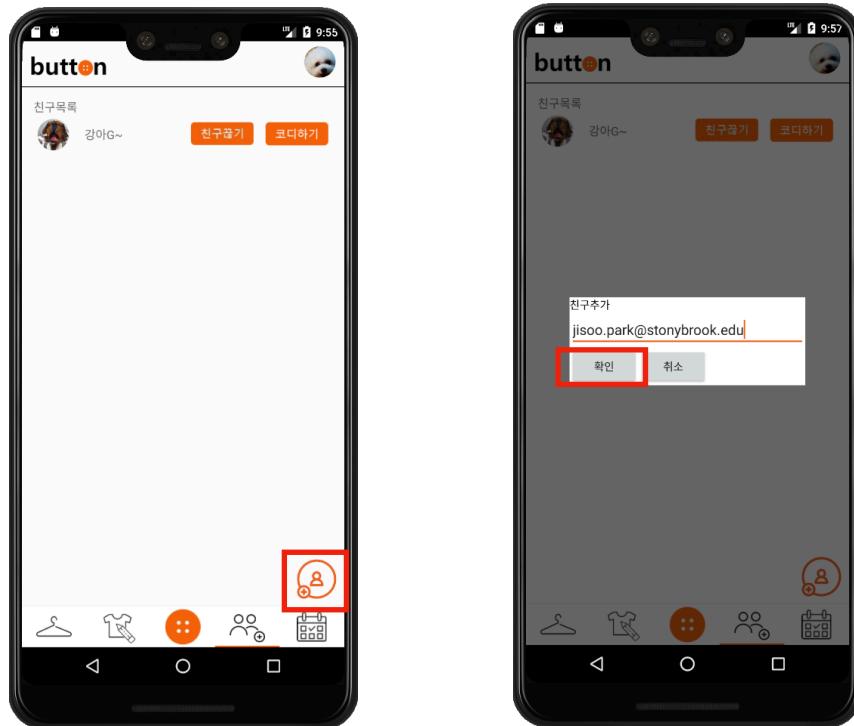
Deleting outfit is also possible. By clicking "editing" on the top right corner and you can see garbage can icon on each outfit. When you click on the garbage can icon, that outfit will be deleted. Un-deleting is not possible so be aware before deleting your outfit.

4. Manage Friend

- **Send Friend request**

Our application provide friend related function for users to better enjoy our service. Click on the fourth tab icon to move to friends related function. First you can see your list of friends. On the bottom right corner you there is orange friend adding icon. When you click this icon, you can see pop up of adding friend. Type friend's user ID which is email address. When you type wrong address, toast message will say, "No user with corresponding ID exists."

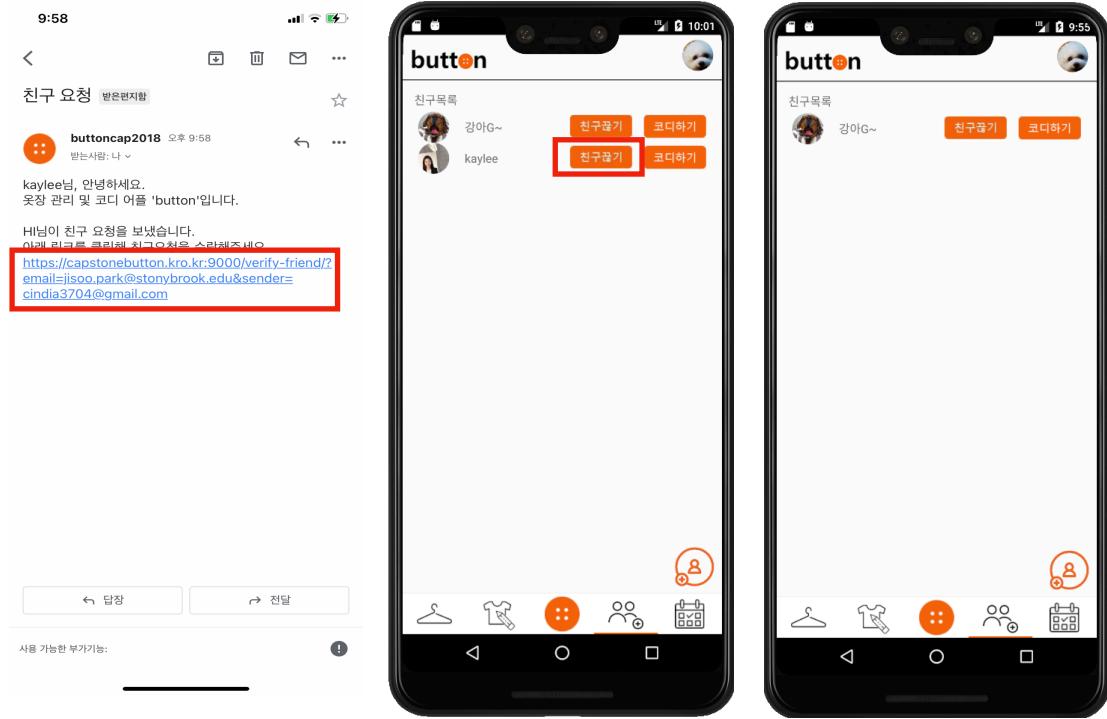
Friend request is sent to user by user's registered email.



- **Accept Friend request / Delete Friend request**

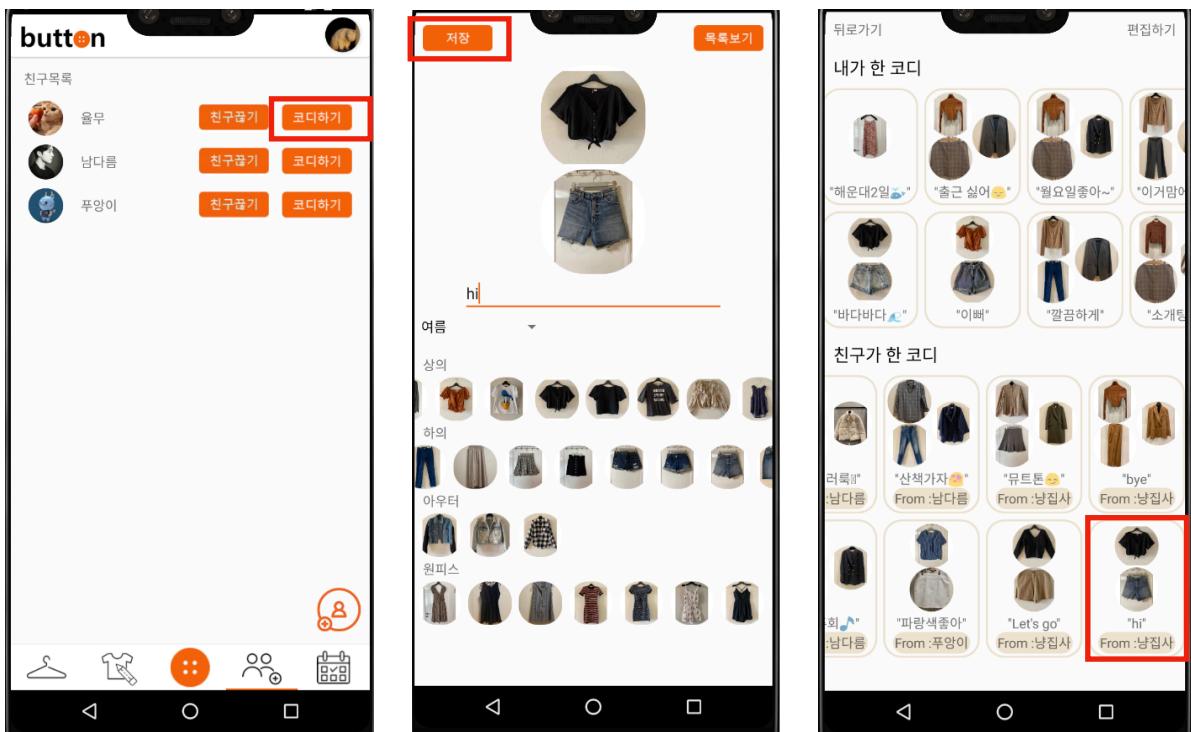
You can accept the friend request by clicking link written in the friend request email as the following image. When you accept the friend request, you will see nickname of the friend added to your friends list.

In the friends list, you can see two buttons next to friend's nickname : "delete friend" & "coordinate". If you want to delete friend from your friend list, just click on the "delete friend" button. You can be friend with that friend again anytime when you send friend request again.



- **Coordinate for Friend**

Click the "coordinate" button next to friend's nickname. Just like "coordinate outfit by myself" function, you can coordinate outfit for your friend using his/her clothes. Click and see which fits better and type name of that outfit and click "save" button. The outfit you made will be saved to friend's coordinate list.



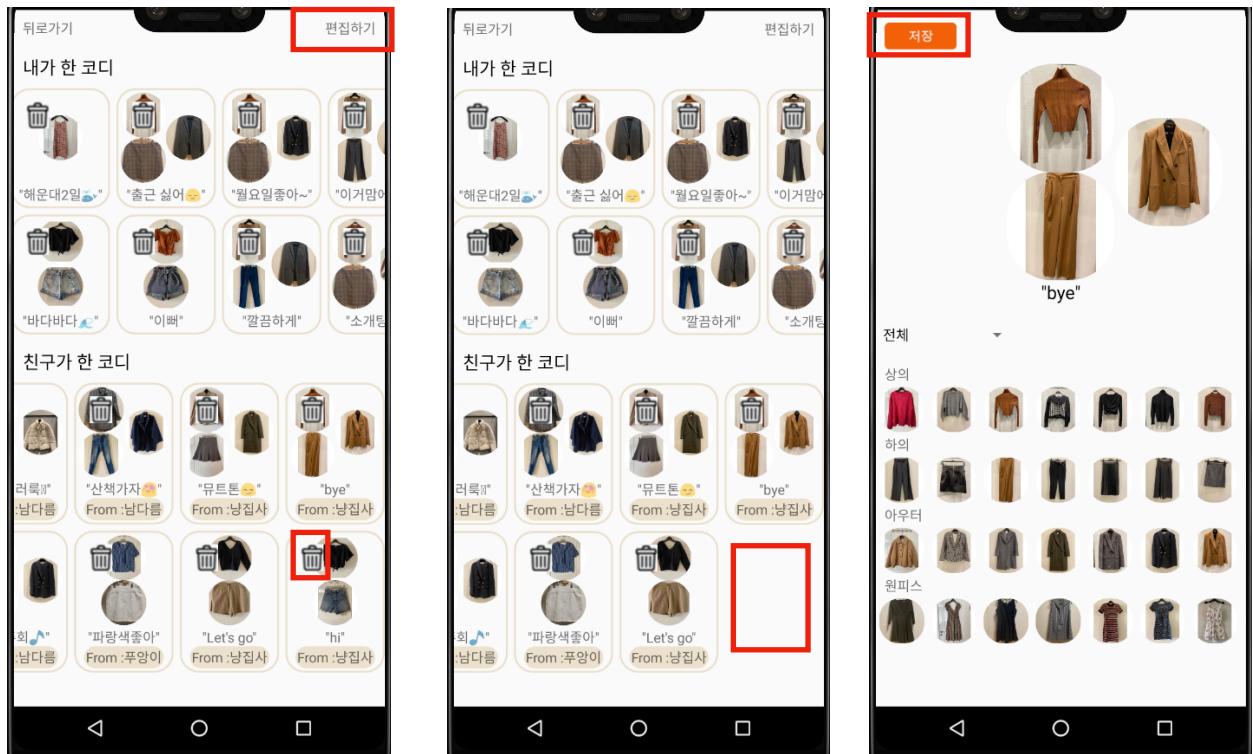
- **Modify / Delete outfit for Friend**

Click the "see list" button on top right corner of coordinate for friend page. Here you can see all the outfits that you made it for your friend(owner of that closet) and outfits that the owner of closet made, separately. When you want to modify the outfit you made, just click

on the outfit and you will see modifying outfit page. Change clothes or messages and save it again.

Deleting outfit is also possible. By clicking "editing" on the top right corner and you can see garbage can icon on each outfit. When you click on the garbage can icon, that outfit will be deleted.

Deleting is only possible for the outfits you made, not the outfits that closet owner made. Only the closet owner have full permission of every outfits.

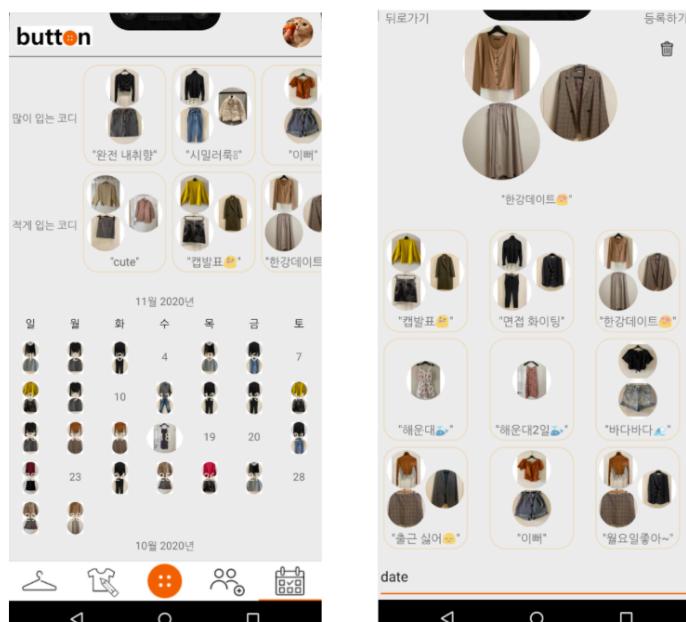


5. Calendar

- **Add outfit to Calendar**

User can add outfit to the specific date. When user click the date number, user's closet page is shown and user can select one outfit, and can add to the date with a simple diary or note.

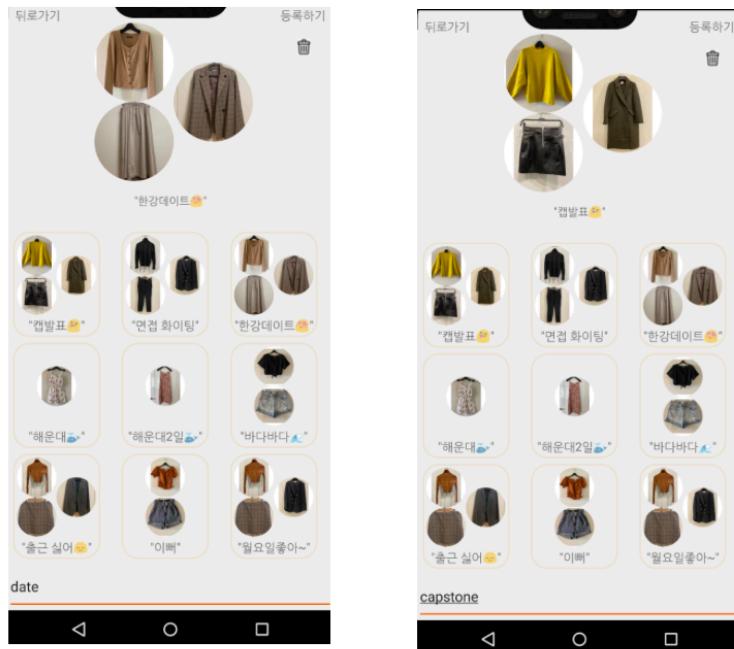
You can check this function with pictures shown below.



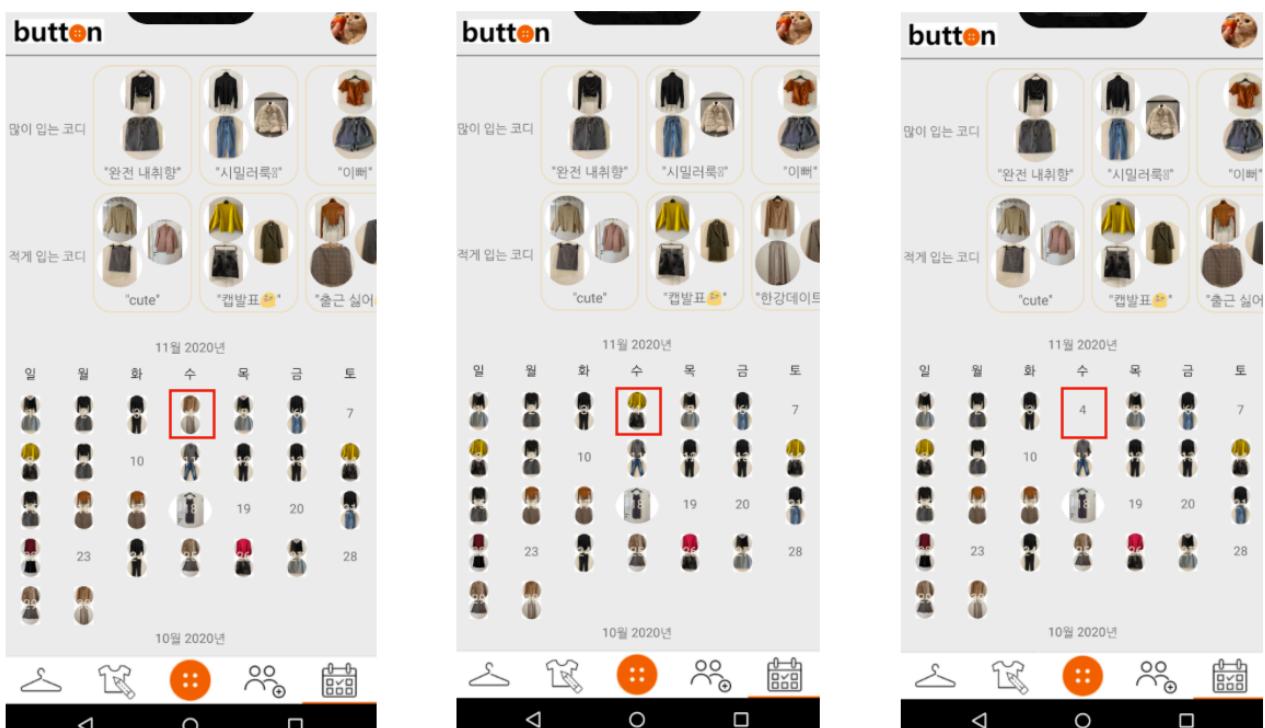
The first picture is Calendar's main fragment, and the second picture shows the page when the user click specific date to add the date's outfit with a simple diary or note. At this point, if a user doesn't put a diary, the saving task is not available.

- **Change / delete calendar**

User can change(modify) or delete the outfit in the specific date. When the user change the outfit of the date 11/4 like two pictures in the left side, we can see the difference the calendar's main page's outfit. Let's check it with two pictures shown below.



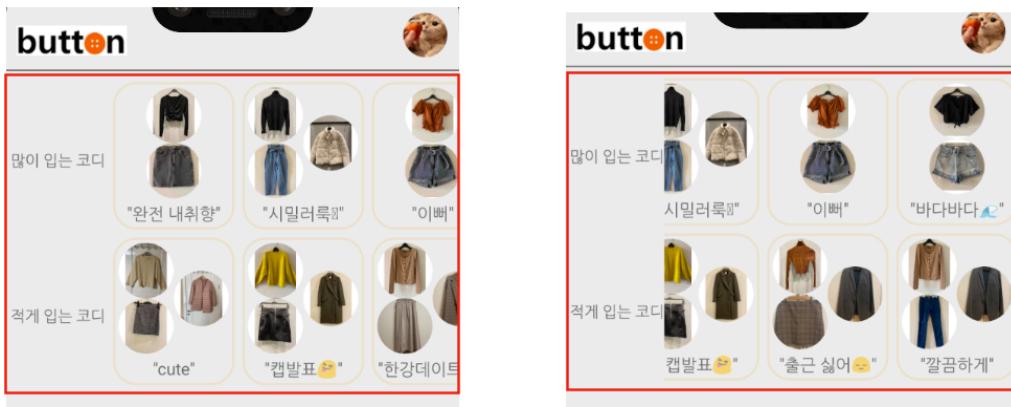
Also the user can delete the outfit by clicking the trash icon. If the deleting task works normally, Android prints the toast message with "successfully deleted"



Red boxes in three pictures show that

1. After adding the outfit "한강데이트" in specific date 11/4
2. After changing the outfit "한강데이트" to the outfit "캡발표" in the date 11/4
3. After deleting the outfit "캡발표" in the date 11/4

- **Top 4 outfit worn, Top 4 outfit not worn**



Users can check that top 4 outfit worn & top 4 outfit not worn in the top of main page of the calendar page. To check all 4 outfit, the user have to scroll the page into the left side. Then the user can see all the outfits like the right picture.

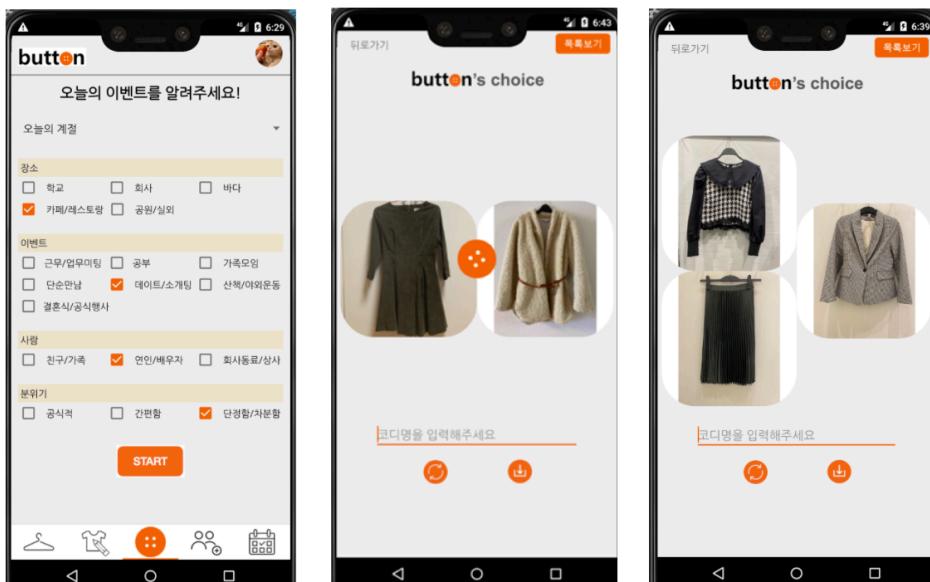
6. Recommendation of outfit

- **Get recommended outfit**

User can get the recommended outfit from our deep-learning server. User will have some properties of events, so when put them to Android service, Android will send them to deep learning server, and then server give the result back to Android.

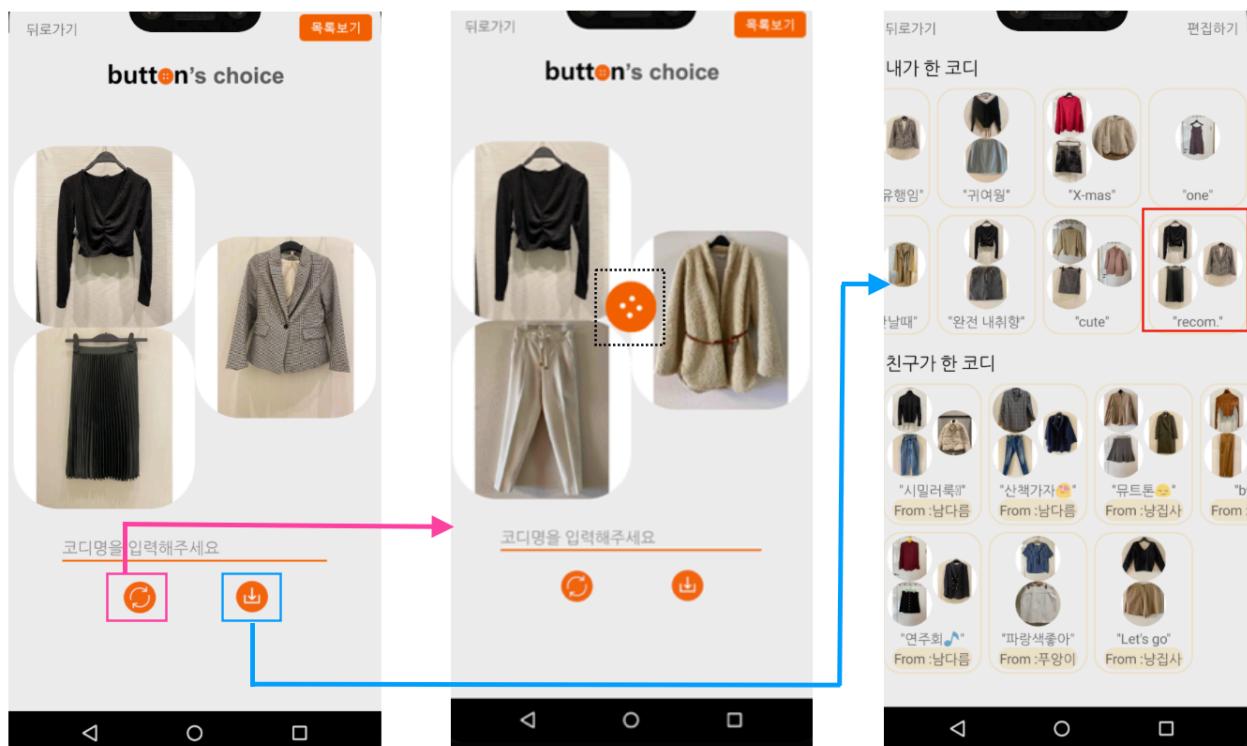
At this point, user can input at most two-place, topic of the event, people, and just one mood. And you can see the "오늘의 계절". User can select the weather from "환절기(봄, 가을), 여름, 겨울", but if a user select "오늘의 계절", android server recognizes the month automatically and send the appropriate weather to server with other properties.

And then, user can get the most appropriate outfit consisted of top, bottom,(or dress), or outer.



- **Add recommended outfit to outfit list**

If users like the recommended outfit, they can save the outfit with the outfit's name to their own closet. If users don't like the first result, they can shuffle many times to check other outfits.



When user send event's properties to Android, we send them to our server, and server gives the recommended outfit like the leftmost picture. If user wants to see the next recommended outfit, user can click the shuffle button in the pink box and server will send another outfit to us again. In this process, server takes few seconds to recommend the outfit. Here we added the loading image to inform that the app is working normally now with attracting user's interest shown in the black box in the second picture.
If users like the recommended outfit, they can save the outfit with the outfit's name to their own closet with save button in the blue box in the leftmost picture.
After saving the recommended outfit, the user can see the outfit in their own closet like the red box in the rightmost picture.

7. Overall Tab Summary

The image below shows the overall tab summary of our application.

From left, it is: my closet, coordinate by myself, recommendation of outfit based on situation and season, manage friend and Calendar.

