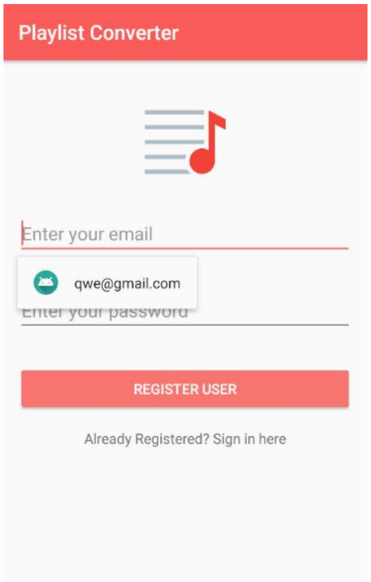
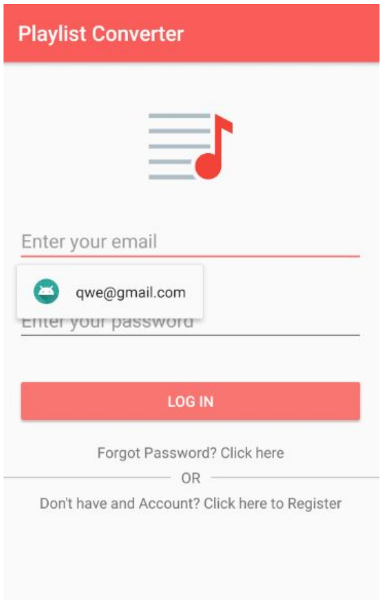
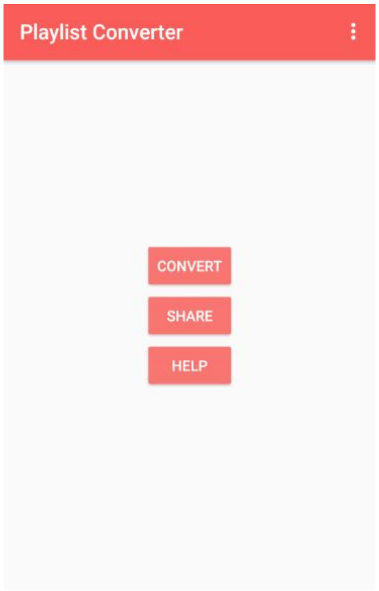
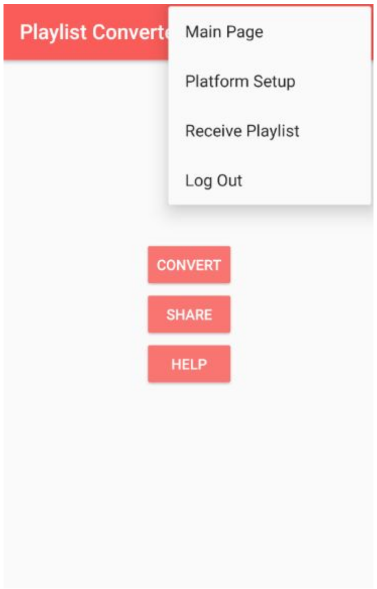
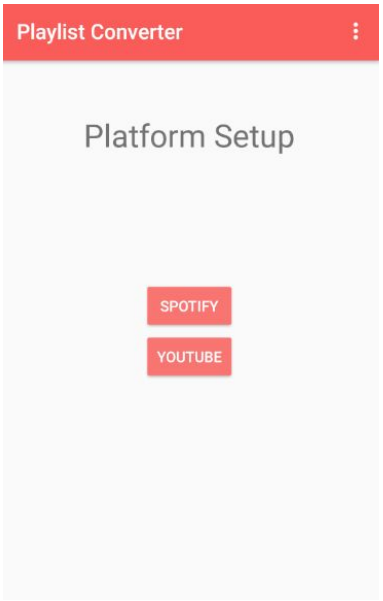
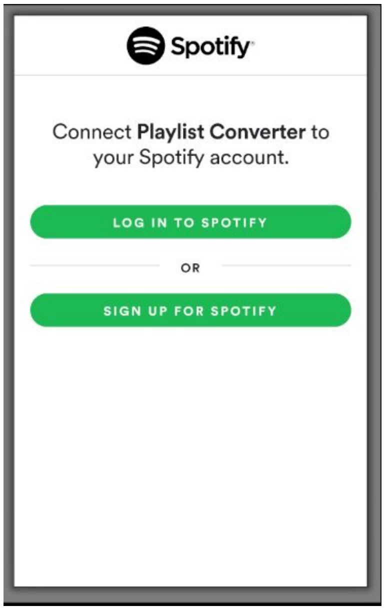
Seyoung An, Hyung Seok Roh

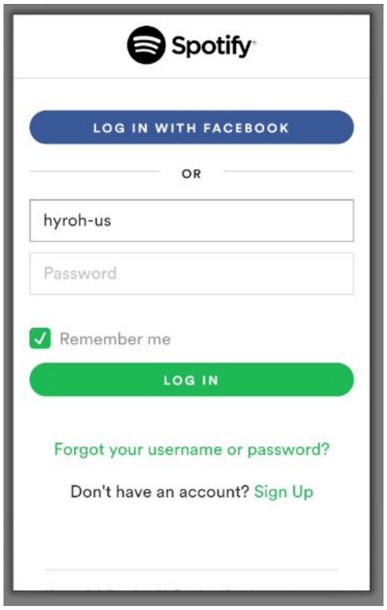
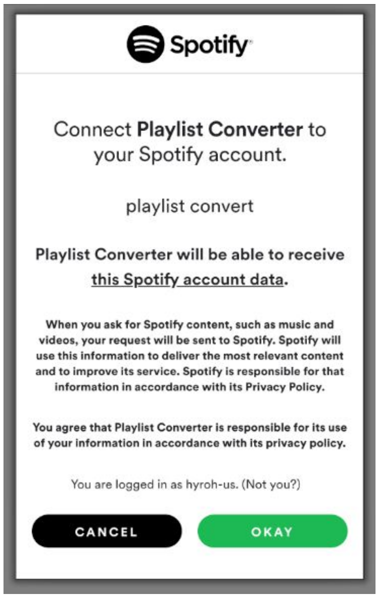
FINAL DELIBERATION

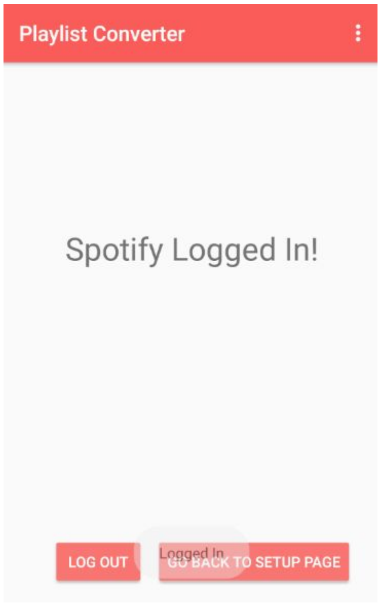
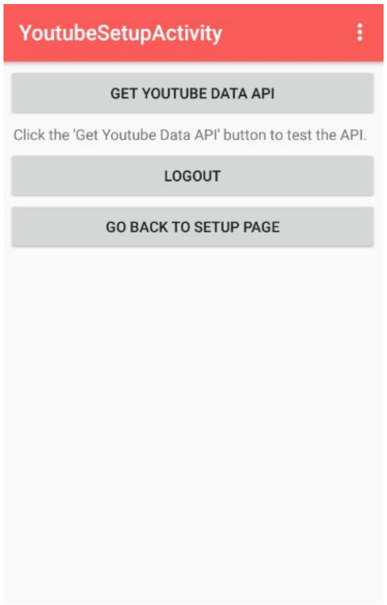
User Manual

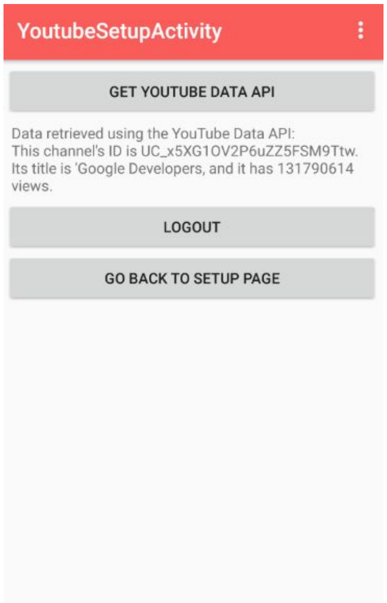
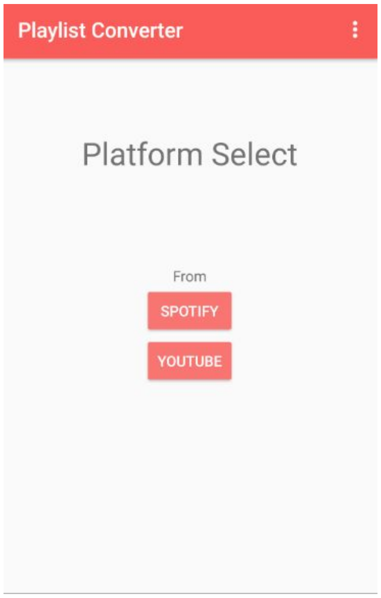
Screen View	Description
 Playlist Converter Enter your email qwe@gmail.com Enter your password REGISTER USER Already Registered? Sign in here	This is the first page of the application. In this page, the user is asked to register for the app with an email account and a password. If the user enters invalid email or password, it pops up an error message. If the user has already registered, the user can click on “Already Registered? Sign in here” to direct to the page that asks the users to sign in.
 Playlist Converter Enter your email qwe@gmail.com Enter your password LOG IN Forgot Password? Click here OR Don't have and Account? Click here to Register	If the user has an account, the user can sign in with a registered account. If the user enters the invalid account, it informs the user that the combination entered is invalid.

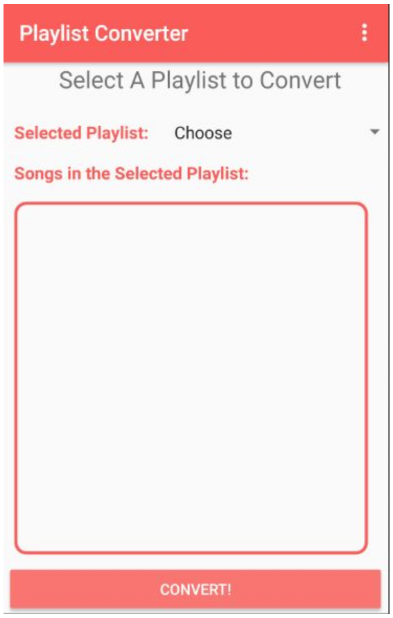
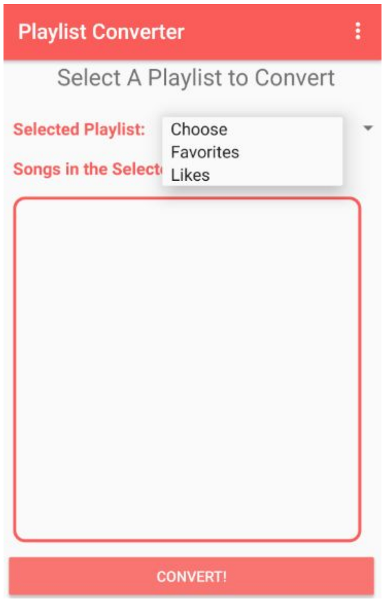
	This is the main page of the app. This page has 3 buttons: Convert, Share and Help. When the user selects the Convert button, the user is directed to the convert page, which allows him/her to convert his/her playlist of choice. If the user selects the Share button, the user will be directed to the share page, where the user will be able to share his/her playlist with another registered user. Help button do
 Playlist Converte Main Page Platform Setup Receive Playlist Log Out CONVERT SHARE HELP	When the user clicks on the menu icon (the three dots on the upper right corner), the user will see the drop down menu with 4 options: Main Page, Platform Setup, Receive Playlist and Log Out. 1. Main page option directs the user the main page of the app. 2. Platform Setup option directs the user to platform setup page, where the user can set up his/her Spotify and Youtube accounts. 3. Receive Playlist option directs the user to the receive playlist page where the user can check whether he/she received a playlist from the other users. 4. Log out option logs out the currently logged in user.

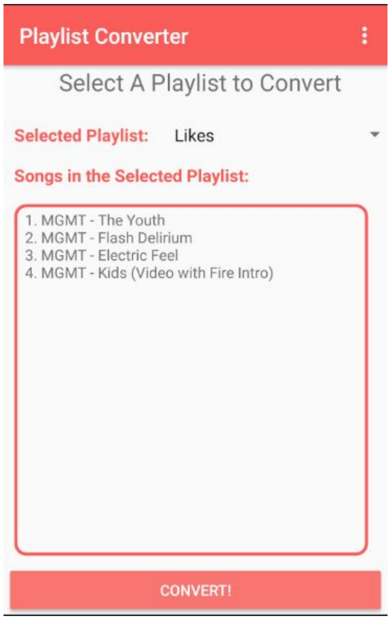
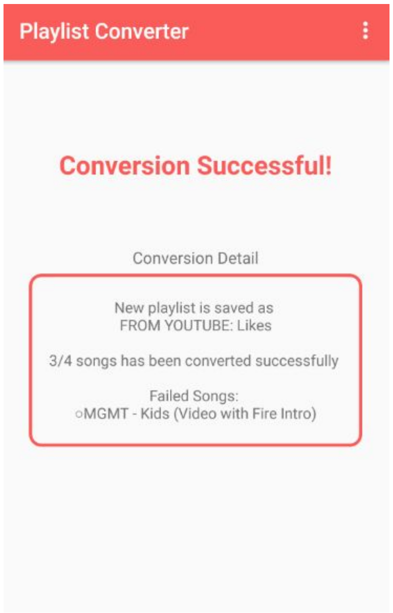
 	This is the platform setup page. This page has two buttons: Spotify and Youtube. If the user selects the Spotify button, the user will be directed to spotify login page if the user did not log in to Spotify yet; otherwise, the user will be directed to spotify setup page, where it informs the user that the user has successfully signed into his/her Spotify account. If the user clicks on the Youtube button, the user will be directed to Youtube login page, where the user can login to his/her youtube account.
 Connect **Playlist Converter** to your Spotify account. 	This is the Spotify login page 1. It has 2 buttons: Log in to Spotify and Sign up for Spotify. If the user clicks on the first botton, the user will be directed to the Spotify login page 2. If the user clicks on the second button, the user will be directed to Spotify's sign up page.

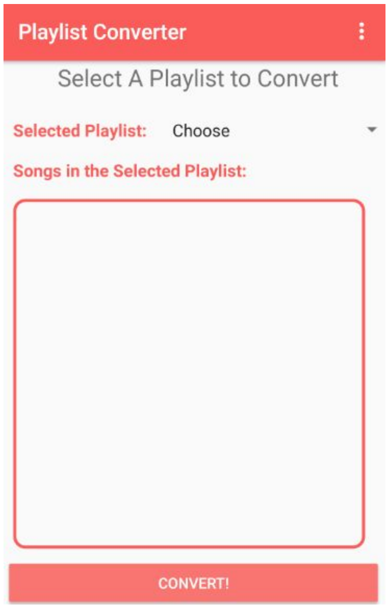
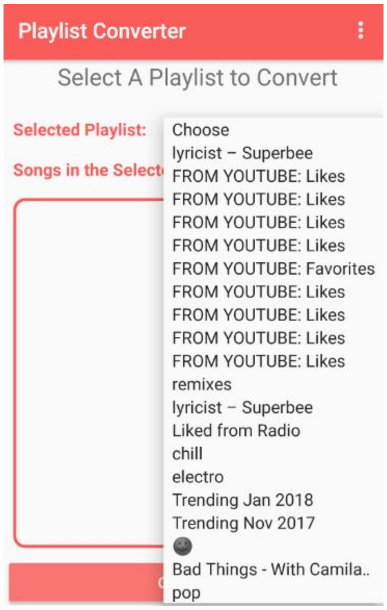
 Spotify LOG IN WITH FACEBOOK OR hyroh-us Password ☑ Remember me LOG IN Forgot your username or password? Don't have an account? Sign Up	This is the Spotify login page 2. It gives the user two option: 1. Log in with facebook; 2. Log in with Spotify account. If the user doesn't have an account, the user can click on “Sign up” and if the user forgot his username/password, he/she can click on “Forgot your username or password?”.
 Spotify Connect **Playlist Converter** to your Spotify account. playlist convert Playlist Converter will be able to receive this Spotify account data. When you ask for Spotify content, such as music and videos, your request will be sent to Spotify. Spotify will use this information to deliver the most relevant content and to improve its service. Spotify is responsible for that information in accordance with its Privacy Policy. You agree that Playlist Converter is responsible for its use of your information in accordance with its privacy policy. You are logged in as hyroh-us. (Not you?) CANCEL OKAY	This is the Spotify login page 3. It asks the user for his/her Spotify username/password if it is the first time user using the Spotify on the current device. If the user has logged into his/her Spotify account previously, it remembers the user; so it will display the message “You are logged in as “your spotify username” (Not you?)”. If the user wants to login with that account, he/she can press Okay; otherwise, the user can click Cancel button, which will direct the user to the first Spotify login page.

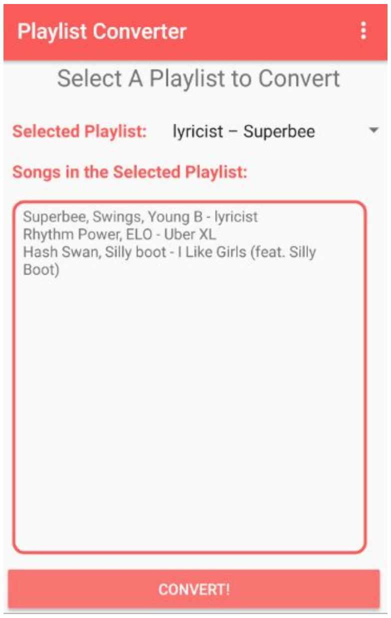
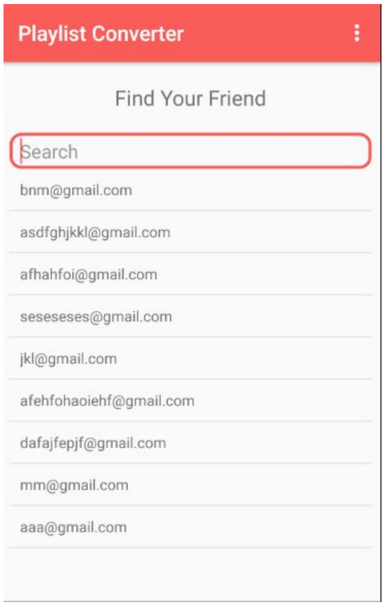
 Spotify Logged In! Logged In	This is the spotify setup page. Once the user has successfully logged into his/her spotify account, he/she will be directed to this page. This page has 2 buttons: 1. Log out - logs out the user from the currently logged in Spotify account; 2 Go back to setup page - directs the user to the setup page.
 YoutubeSetupActivity GET YOUTUBE DATA API LOGOUT GO BACK TO SETUP PAGE Click the 'Get Youtube Data API' button to test the API.	This is the Youtube login page. It asks the user for his/her Google username/password if it is the first time user using the Youtube on the current device. If the user has logged into his/her Google account previously, it remembers the user; and it automatically login the user when “Get Youtube Data Api” button is pressed. If you wish to login with a different account the user can press the “Logout” button to logout of the current Google account and then press the “Get Youtube Data API’ button again, where the pop-up screen asking you for a valid goggle account and password will be shown.

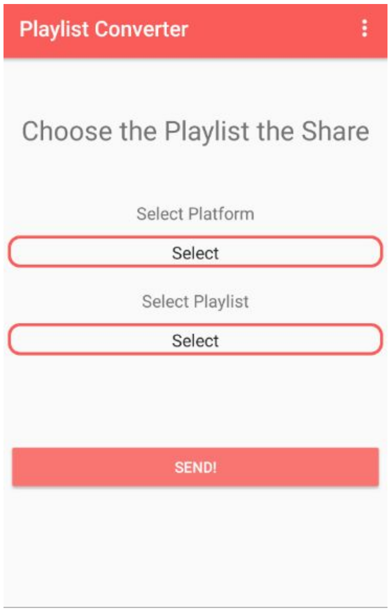
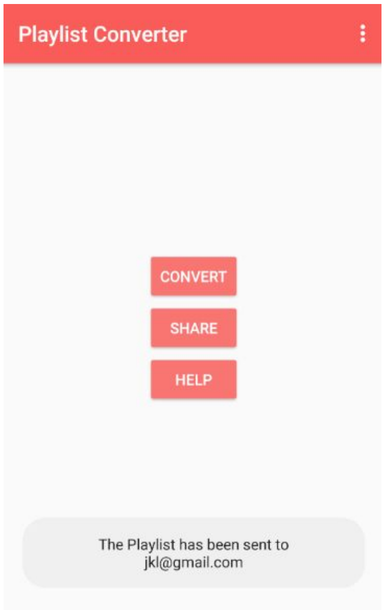
 YoutubeSetupActivity GET YOUTUBE DATA API LOGOUT GO BACK TO SETUP PAGE Data retrieved using the YouTube Data API: This channel's ID is UC_x5XG1OV2P6uZZ5FSM9Ttw. Its title is 'Google Developers, and it has 131790614 views.	The following message under the “Get Youtube Data Api” button shows some detail into the Google Account that you logged in and the corresponding Google(Youtube) data api
 Playlist Converter Platform Select From SPOTIFY YOUTUBE	Once we press the “Convert” button from the Homepage we are directed to this activity where we are asked to select the platform to convert from. If the platforms are not setup when we press these buttons we are directed to the page where we could set up the corresponding platform.

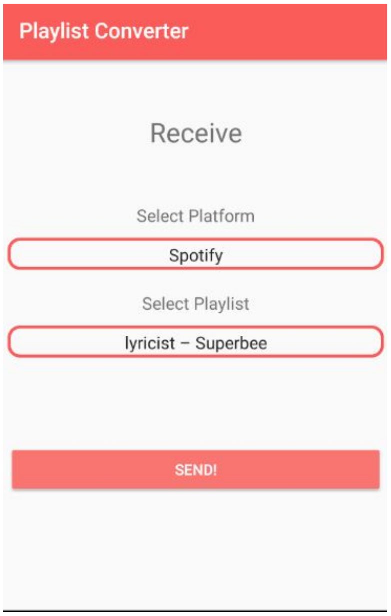
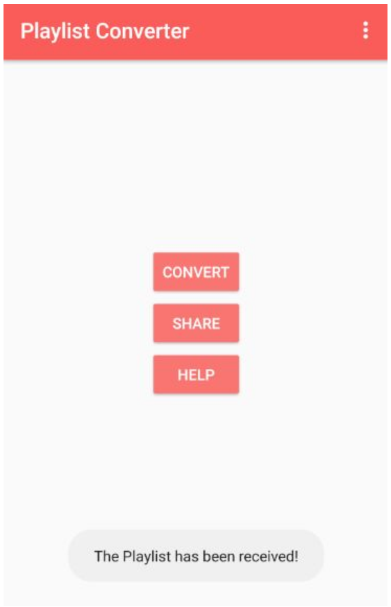
 Playlist Converter Select A Playlist to Convert Selected Playlist: Choose Songs in the Selected Playlist: CONVERT!	We are directed to this page when we click Youtube as the platform to start the convert from. In this page when we click the spinner the list of playlists in the user's Youtube page is shown.
 Playlist Converter Select A Playlist to Convert Selected Playlist: Choose Favorites Likes Songs in the Select CONVERT!	In this case the user has 2 playlists "Favorites", and "Likes".

 Select A Playlist to Convert Selected Playlist: Likes Songs in the Selected Playlist: 1. MGMT - The Youth 2. MGMT - Flash Delirium 3. MGMT - Electric Feel 4. MGMT - Kids (Video with Fire Intro)	Once we choose a specific playlist, in this case “Likes”, the songs inside the specific playlist are shown in the below textview.
 Conversion Successful! Conversion Detail New playlist is saved as FROM YOUTUBE: Likes 3/4 songs has been converted successfully Failed Songs: ○MGMT - Kids (Video with Fire Intro)	Once we click the “Convert” button from the previous activity the conversion from Youtube platform to Spotify platform is executed. After execution a summary message is shown . It lists the details of the conversion, the name of the new converted playlist, the total number of successfully converted songs out of the total songs originally in the playlist, and finally the details of the conversion failed songs.

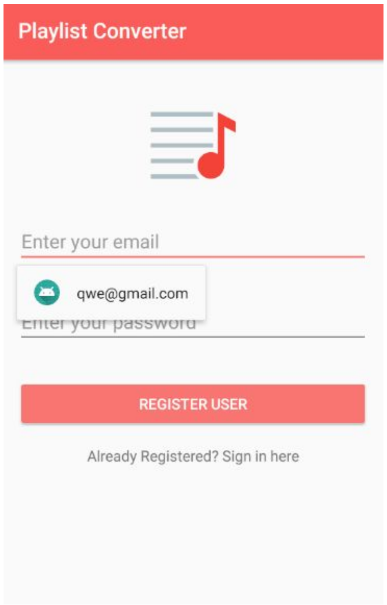
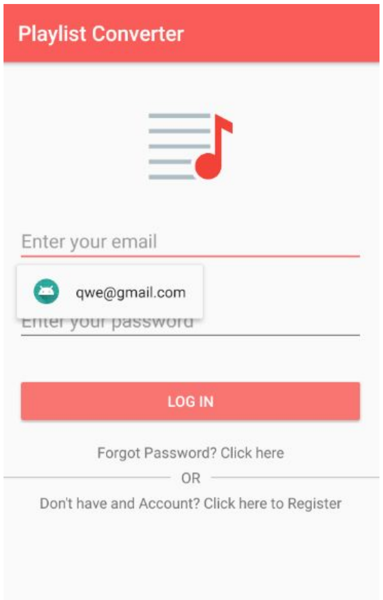
 Playlist Converter Select A Playlist to Convert Selected Playlist: Choose Songs in the Selected Playlist: CONVERT!	We are directed to this page when we click Spotify as the platform to start the convert from. In this page when we click the spinner the list of playlists in the user’s Spotify account is shown.
 Playlist Converter Select A Playlist to Convert Selected Playlist: Songs in the Select Choose lyricist – Superbee FROM YOUTUBE: Likes FROM YOUTUBE: Likes FROM YOUTUBE: Likes FROM YOUTUBE: Likes FROM YOUTUBE: Favorites FROM YOUTUBE: Likes FROM YOUTUBE: Likes FROM YOUTUBE: Likes FROM YOUTUBE: Likes remixes lyricist – Superbee Liked from Radio chill electro Trending Jan 2018 Trending Nov 2017 Bad Things - With Camila.. pop	Same as the case where we selected Youtube (explained above)

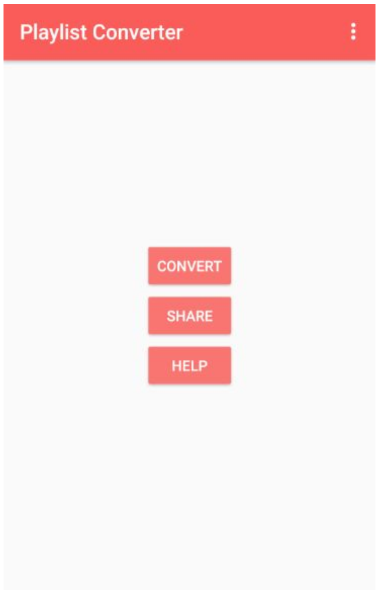
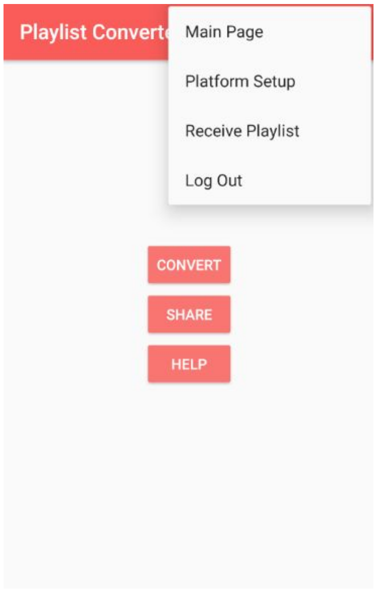
 Select A Playlist to Convert Selected Playlist: lyricist – Superbee Songs in the Selected Playlist: Superbee, Swings, Young B - lyricist Rhythm Power, ELO - Uber XL Hash Swan, Silly boot - I Like Girls (feat. Silly Boot) 	Same as the case where we selected Youtube (explained above)
 Find Your Friend bnm@gmail.com asdfghjkkl@gmail.com afhahfoi@gmail.com seseseses@gmail.com jkl@gmail.com afehfohaoiehf@gmail.com dafajfepjf@gmail.com mm@gmail.com aaa@gmail.com	When we press the “Share” button from the Homepage activity we are directed to this page where we are able to view the list of all users that have signed up to our app. (Fetched from the app’s database). From this list we select the user email we wish to share a playlist to.

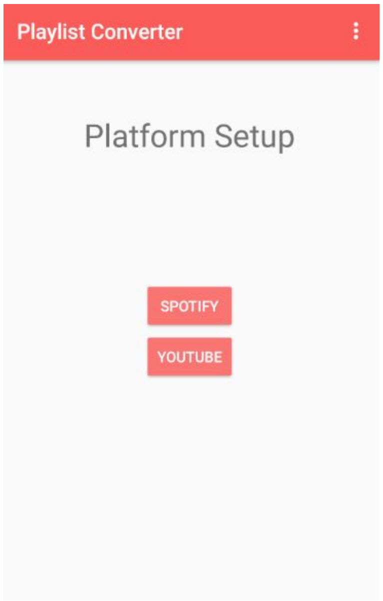
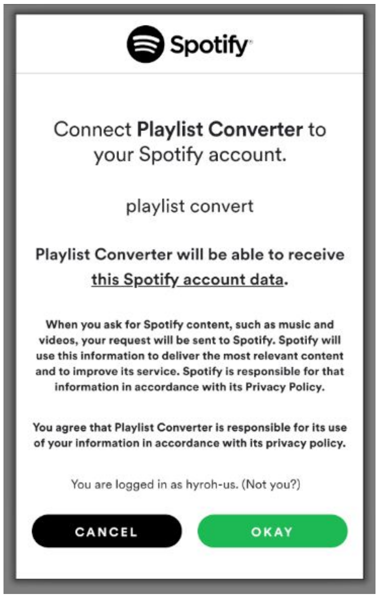
 Playlist Converter Choose the Playlist the Share Select Platform Select Select Playlist Select SEND!	This is the page where the user can select a playlist to share with another user. In the first spinner, the user can select a platform, and in the second spinner, the user can select the playlist to share. Once the spinners have been set, the user can press the “Send!” button to send the playlist.
 The Playlist has been sent to jkl@gmail.com	Once playlist has been successfully sent to a specified user, the toast message pops up and the user is directed to the main page.

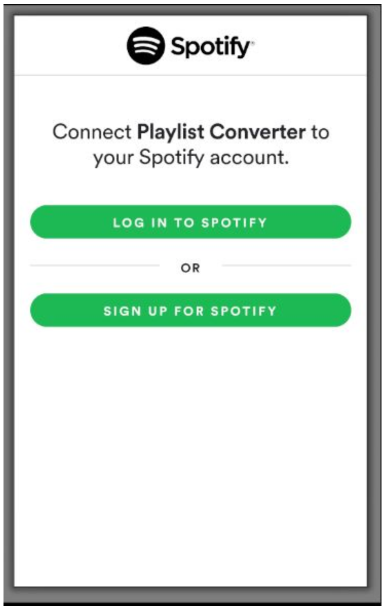
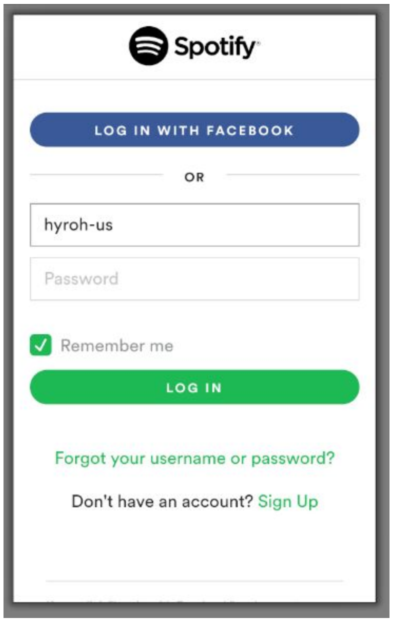
 Select Platform Spotify Select Playlist lyricist – Superbee	This is the page where the user can transfer the received playlist to his/her Spotify account. In the first spinner, the user can select the platform he/she wants to transfer the playlist and in the second spinner, the user can select a playlist from all the playlists he/she has received from the other users. Once these spinners have been set, the user can press the “Send!” button to send the playlist.
 The Playlist has been received!	If the user successfully sent the received playlist to his/her Spotify account, the toast message pops up and the user is directed to the main page of the app.

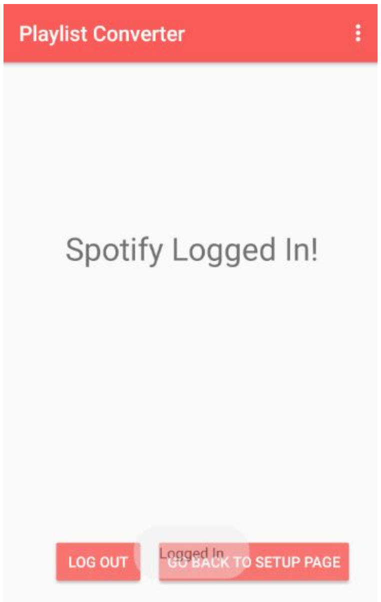
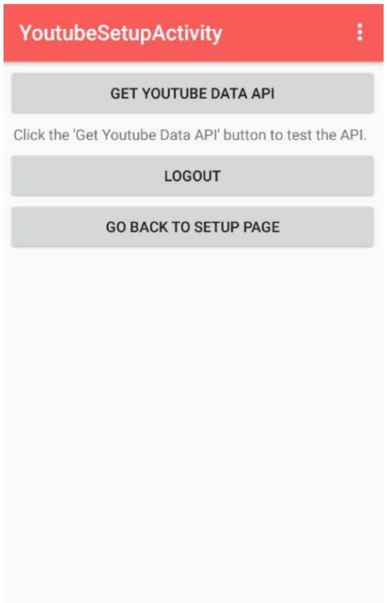
Technical Manual

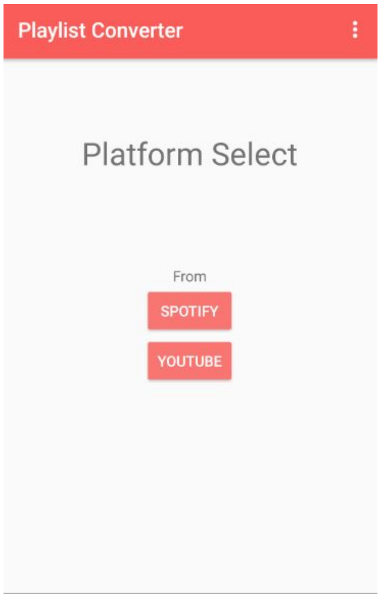
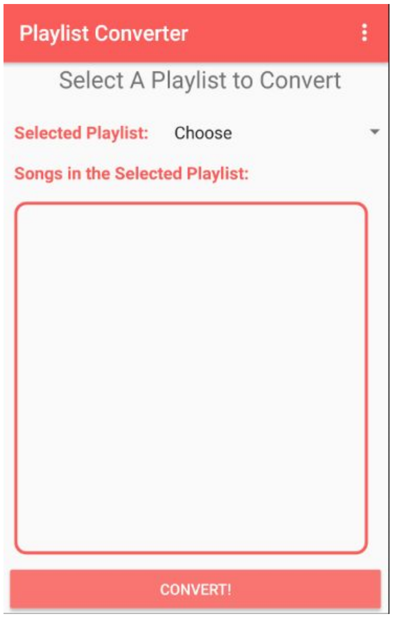
Screen View	Activity Class
 Playlist Converter Enter your email qwe@gmail.com Enter your password REGISTER USER Already Registered? Sign in here	MainActivity.java
 Playlist Converter Enter your email qwe@gmail.com Enter your password LOG IN Forgot Password? Click here OR Don't have and Account? Click here to Register	LoginPageActivity.java

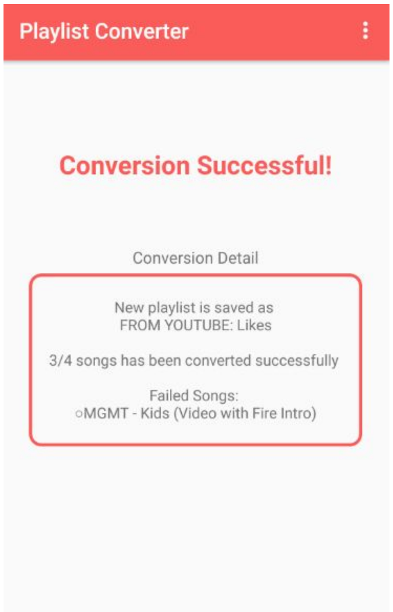
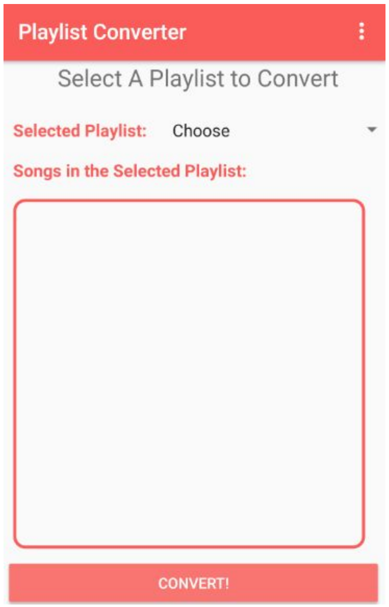
	HomePageActivity.java Helper Class: - BaseActivity.java : Helper class for the menu option at the top right through the entire app except the sign-in and login page.
 Playlist Converte Main Page Platform Setup Receive Playlist Log Out CONVERT SHARE HELP	- BaseActivity.java : Helper class for the menu option at the top right through the entire app except the sign-in and login page.

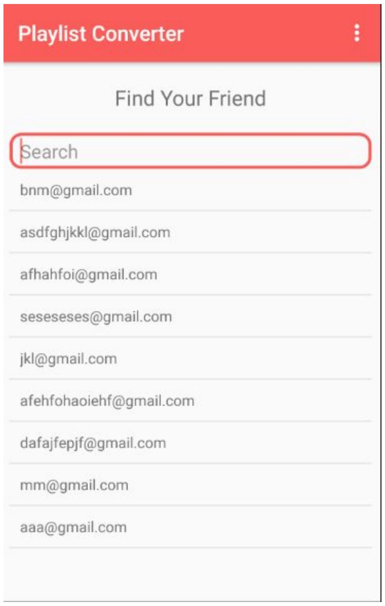
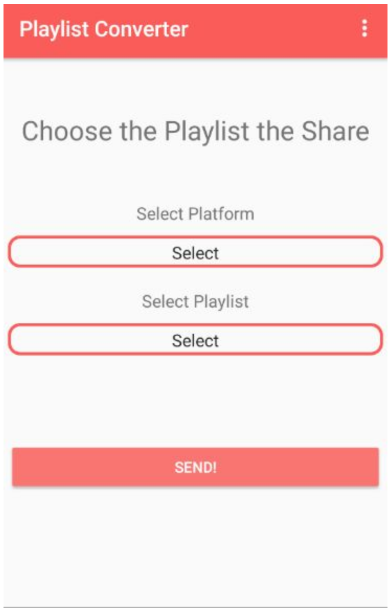
 	PlatfromSetupActivity.java
 Connect **Playlist Converter** to your Spotify account. playlist convert **Playlist Converter will be able to receive this Spotify account data.** **When you ask for Spotify content, such as music and videos, your request will be sent to Spotify. Spotify will use this information to deliver the most relevant content and to improve its service. Spotify is responsible for that information in accordance with its Privacy Policy.** **You agree that Playlist Converter is responsible for its use of your information in accordance with its privacy policy.** You are logged in as hyroh-us. (Not you?) 	SpotifyLoginActivity.java

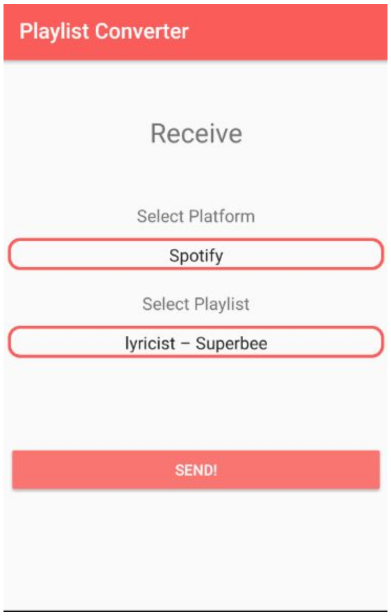
 Connect **Playlist Converter** to your Spotify account. 	SpotifyLoginActivity.java
 hyroh-us Password ☑ Remember me Don't have an account? Sign Up Spotify LOG IN WITH FACEBOOK OR LOG IN Forgot your username or password?	SpotifyLoginActivity.java

 Playlist Converter LOG OUT Logged In GO BACK TO SETUP PAGE Spotify Logged In!	SpotifySetupAcitivity.java
 YoutubeSetupActivity GET YOUTUBE DATA API LOGOUT GO BACK TO SETUP PAGE Click the 'Get Youtube Data API' button to test the API.	YoutubeLoginActivity.java

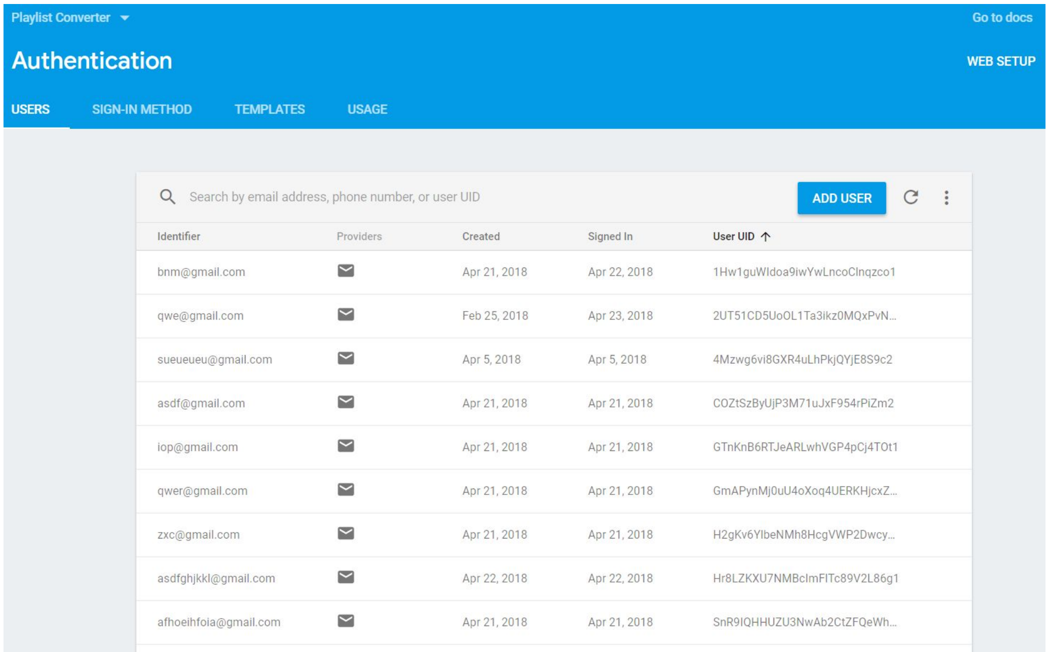
 Playlist Converter Platform Select From SPOTIFY YOUTUBE	PlatformSelectActivity.java
 Playlist Converter Select A Playlist to Convert Selected Playlist: Choose Songs in the Selected Playlist: CONVERT!	SpotifyConvertActivity.java

 Conversion Successful! Conversion Detail New playlist is saved as FROM YOUTUBE: Likes 3/4 songs has been converted successfully Failed Songs: ○MGMT - Kids (Video with Fire Intro)	ToSpotifyConvertActivity.java
 Select A Playlist to Convert Selected Playlist: Choose Songs in the Selected Playlist: 	YoutubeConvertActivity.java

 Find Your Friend bnm@gmail.com asdfghjkkl@gmail.com afhahfoi@gmail.com seseseses@gmail.com jkl@gmail.com afehfohaoiehf@gmail.com dafajfepjf@gmail.com mm@gmail.com aaa@gmail.com	ShareActivity.java
 Choose the Playlist the Share Select Platform Select Playlist	SelectPlaylistActivity.java

 Playlist Converter Receive Select Platform Spotify Select Playlist lyricist – Superbee 	ReceivePlaylistActivity.java

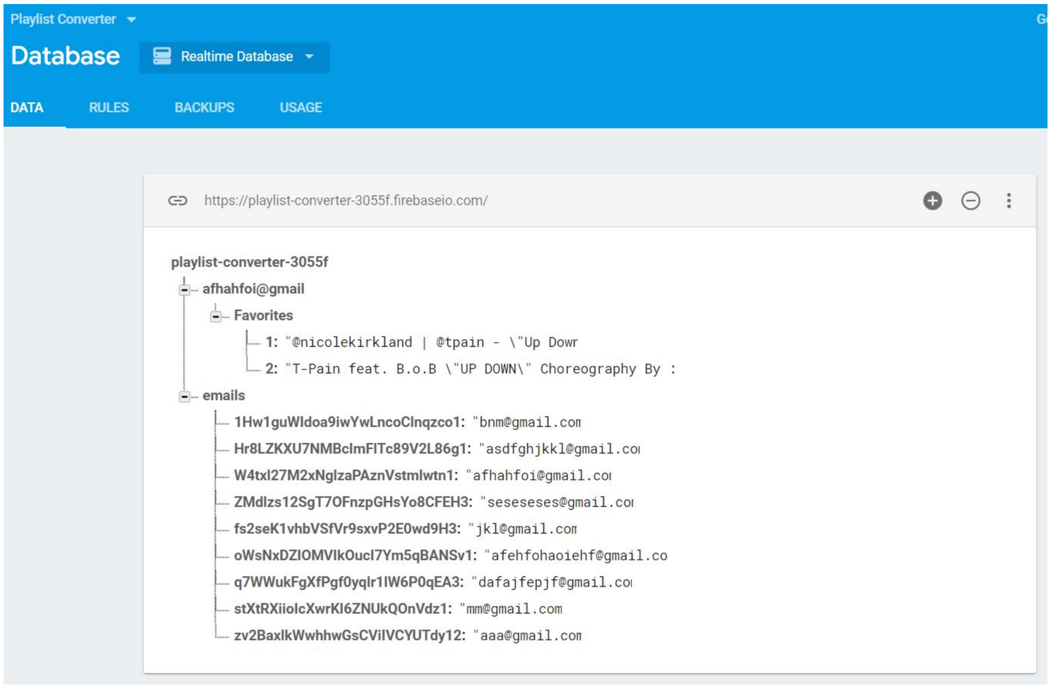
DataBase - FireBase



Identifier	Providers	Created	Signed In	User UID ↑
bnm@gmail.com	✉	Apr 21, 2018	Apr 22, 2018	1Hw1guWIdoa9iwYwLncoClnqzco1
qwe@gmail.com	✉	Feb 25, 2018	Apr 23, 2018	2UT51CD5UoOL1Ta3ikz0MQxPvN...
sueueueu@gmail.com	✉	Apr 5, 2018	Apr 5, 2018	4Mzwg6vi8GXR4uLhPkjQYjE8S9c2
asdf@gmail.com	✉	Apr 21, 2018	Apr 21, 2018	COZtSzByUjP3M71uJxF954rPiZm2
iop@gmail.com	✉	Apr 21, 2018	Apr 21, 2018	GTnKnB6RTJeARLwhVGP4pCj4TOt1
qwer@gmail.com	✉	Apr 21, 2018	Apr 21, 2018	GmAPynMj0uU4oXoq4UERKHjcxZ...
zxc@gmail.com	✉	Apr 21, 2018	Apr 21, 2018	H2gKv6YlbeNMh8HcgVWP2Dwcy...
asdfghjkkl@gmail.com	✉	Apr 22, 2018	Apr 22, 2018	Hr8LZKXU7NMBclmFITc89V2L86g1
afhoeihfoia@gmail.com	✉	Apr 21, 2018	Apr 21, 2018	SnR9IQHHUZU3NwAb2CtZFQeWh...

We use the authentication part in the firebase to keep track of the signed in users and use this data to authenticate users trying to login.

<u>Real-time Database</u>



https://playlist-converter-3055f.firebaseio.com/

```
playlist-converter-3055f
 ⊟ afhahfoi@gmail
    ⊟ Favorites
       1: "@nicolekirkland | @tpain - \"Up Dowr
       2: "T-Pain feat. B.o.B \"UP DOWN\" Choreography By :
 ⊟ emails
    1Hw1guWIdoa9iwYwLncoClnqzco1: "bnm@gmail.con
    Hr8LZKXU7NMBclmFITc89V2L86g1: "asdfghjkkl@gmail.co
    W4txl27M2xNglzaPAznVstmlwtn1: "afhahfoi@gmail.co
    ZMdlzs12SgT7OFnzpGHsYo8CFEH3: "seseseses@gmail.co
    fs2seK1vhbVSfVr9sxvP2E0wd9H3: "jkl@gmail.con
    oWsNxDZIOMVIkOucl7Ym5qBANSv1: "afehfohaoiehf@gmail.co
    q7WWukFgXfPgf0yqlr1IW6P0qEA3: "dafajfepjf@gmail.co
    stXtRXiiolcXwrKI6ZNUkQOnVdz1: "mm@gmail.com
    zv2BaxlkWwhhwGsCVilVCYUTdy12: "aaa@gmail.con
```

- When we sign-in to the system the user Id (specifically made by the firebase system) and the email of the user is saved in the firebase real-time data base under the child - “email”
- When we use the share function in the app, for example we wish to share a playlist to a user with email: jkl@gmail.com, a child named as the email is created in the database and the playlist name and songs selected is recorded into the database under that email tag. When the user with jkl@gmail.com tries to use the receive playlist function it iterates through the database and find the tag with its own email address. When the email is locates the tag it converts the playlist(s) under that tag. When the conversion of the playlist is over the corresponding data is deleted.