

MY PROJECT

THE JUKEBOX

Presented By-
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PROJECT PRESENTATION:

Under the Guidance of-

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Mrs. Shruti Purohit

● INTRODUCTION:

This is a JukeBox Application. this Application allows users to log in or register as a new user.

Once a user is logged in, they can perform various actions like creating a playlist, showing playlists, searching playlists, listening to all songs, songs by artist, songs by album or by genre.

The code uses classes like LogInAndSignUp, Creation, PlaySongs, QueryDatabase and Printing to perform these actions.

The code also implements a switch case menu-driven system to allow the user to select what they want to do.

JAVA FEATURES USED:

- 1. Core Java**
- 2. Operators**
- 3. OOPS Concept**
- 4. Exception Handling**
- 5. Java 8 Features**
- 6. MySQL**

and many more

Java

After Running my code this output will be shown:

```
|J|u|k|e|_|B|o|x|      |A|p|p|l|i|c|a|t|i|o|n|
+---+---+---+---+---+
+-----+
| Welcome To JukeBox Application |
+-----+
| Please Enter 1 for Login      |
| Please Enter 2 for New Registration |
| Please Enter 3 for Guest User |
| Please Enter 4 for Exit Application |
+-----+
Please Enter Your Choose
1
```

After Running my code this output will be shown:

After Running my code this output will be shown:

```
Please Enter Your Choose
3
You are a guest user, so you can listen only to songs. If you want to use more functionality, you need to first create your account and then log in.
+-----+-----+-----+-----+-----+-----+
| ID | Song Name | Artist ID | Genre ID | Album ID | Song Duration | Path |
+-----+-----+-----+-----+-----+-----+
| 1 | Kalesi_chori | 301 | 101 | 201 | 00:00:20 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Kalesi_chori.wav |
| 2 | Jaan_Ke_Bhulekhe | 302 | 102 | 202 | 00:04:35 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Jaan_Ke_Bhulekhe.wav |
| 3 | Good_Luck | 303 | 103 | 203 | 00:03:00 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Good_Luck.wav |
| 4 | Despacito | 304 | 104 | 204 | 00:04:40 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Engilsh\Despacito.wav |
| 5 | 13 Lag Jaa Gale | 305 | 105 | 205 | 00:04:00 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\13 Lag Jaa Gale.wav |
| 6 | Jhoome Jo Pathaan | 306 | 106 | 205 | 00:03:22 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\Jhoome Jo Pathaan.wav |
| 7 | Kiya Mujhe Pyaar Hai | 306 | 105 | 205 | 00:04:26 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Kiya Mujhe Pyaar Hai.wav |
| 8 | Ajab Si (Om Shanti Om) | 307 | 105 | 205 | 00:04:03 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Ajab Si .wav |
| 9 | Gori Gori Gori Gori | 307 | 105 | 205 | 00:04:30 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Gori Gori Gori Gori.wav |
| 10 | Kiya Mujhe Pyaar Hai | 307 | 105 | 205 | 00:04:26 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Kiya Mujhe Pyaar Hai.wav |
| 11 | Tu Jo Mila | 307 | 105 | 205 | 00:04:03 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Tu Jo Mila.wav |
| 12 | Yaaron Dosti Badi Hi | 307 | 105 | 205 | 00:04:23 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Yaaron Dosti Badi.wav |
| 13 | Faded | 304 | 101 | 204 | 00:03:32 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Engilsh\Faded.wav |
| 14 | Extremes | 304 | 101 | 204 | 00:02:29 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Engilsh\Extremes.wav |
| 15 | Stay | 304 | 101 | 204 | 00:02:21 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Engilsh\Stay.wav |
| 16 | After-party-6 | 304 | 101 | 204 | 00:10:22 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Engilsh\After-party-6.wav |
| 17 | Moving-ON | 304 | 101 | 204 | 00:07:22 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Engilsh\Moving-ON.wav |
| 18 | Tujhe Dekha | 307 | 105 | 205 | 00:00:30 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Tujhe Dekha.wav |
+-----+-----+-----+-----+-----+-----+
Please enter the id of the song that you want to play
```

After Running my code this output will be shown:

```
Your UserID is      : 1
Sameer Saifi has logged in successfully.
+-----+
| Which action you want to perform?   |
| Please select an option:           |
+-----+
| 1. Create playlist                 |
| 2. Show playlist                  |
| 3. Search Playlist                |
| 4. Listen all songs               |
| 5. Listen songs by artist         |
| 6. Listen songs by album          |
| 7. Listen songs by genre          |
| 8. Exit                           |
+-----+
Enter choice          :1
please enter playlist ID       :
12
please enter name of the playlist :
MyNewPlayList
1- Record Inserted in playlist table
if you want to create another playlist then please enter 1 to continue or enter 0 to exit
|
```

After Running my code this output will be shown:

```
+-----+  
| Which action you want to perform? |  
| Please select an option: |  
+-----+  
| 1. Create playlist |  
| 2. Show playlist |  
| 3. Search Playlist |  
| 4. Listen all songs |  
| 5. Listen songs by artist |  
| 6. Listen songs by album |  
| 7. Listen songs by genre |  
| 8. Exit |  
+-----+  
Enter choice :2  
+-----+-----+-----+  
| Playlist ID | Playlist Name | User ID |  
+-----+-----+-----+  
| 1 | sad | 1 |  
| 3 | SameerPlayList | 1 |  
| 6 | myfirst | 1 |  
| 8 | Playlist1 | 1 |  
| 9 | Playlist1 | 1 |  
| 10 | Playlist1 | 1 |  
| 11 | Playlist1 | 1 |  
| 12 | MyNewPlayList | 1 |  
+-----+-----+-----+  
please enter id of the playlist to play songs
```

After Running my code this output will be shown:

```
+-----+-----+-----+
| Playlist ID | Playlist Name      | User ID |
+-----+-----+-----+
| 1           | sad                  | 1        |
| 3           | SameerPlayList     | 1        |
| 6           | myfirst              | 1        |
| 8           | Playlist1            | 1        |
| 9           | Playlist1            | 1        |
| 10          | Playlist1            | 1        |
| 11          | Playlist1            | 1        |
| 12          | MyNewPlayList        | 1        |
+-----+-----+-----+
```

```
please enter id of the playlist to play songs
```

```
1
Song Id      Song Name
1      Kalesi_chori
3      Good_Luck
```

```
Please enter the id of the song that you want to play
```

After Running my code this output will be shown:

```
Song Id      Song Name
1           Kalesi_chori
3           Good_Luck
Please enter the id of the song that you want to play
1
+-----+
| Song Name      : |Kalesi_chori
| Song Duration  : |00:00:20
| Song STATUS    : |Nothing
+-----+
P = play, S = Stop, L = Loop, N = Next, PP = Previous, Q = Quit
Enter your choice : p
Music started at: 00:26:04
+-----+
| Song Name      : |Kalesi_chori
| Song Duration  : |00:00:20
| Song STATUS    : |Playing
+-----+
P = play, S = Stop, L = Loop, N = Next, PP = Previous, Q = Quit
Enter your choice : |
```

After Running my code this output will be shown:

```
+-----+  
| Which action you want to perform? |  
| Please select an option: |  
+-----+  
| 1. Create playlist |  
| 2. Show playlist |  
| 3. Search Playlist |  
| 4. Listen all songs |  
| 5. Listen songs by artist |  
| 6. Listen songs by album |  
| 7. Listen songs by genre |  
| 8. Exit |  
+-----+  
Enter choice :3  
+-----+-----+-----+  
| Playlist ID | Playlist Name | User ID |  
+-----+-----+-----+  
| 1 | sad | 1 |  
| 3 | SameerPlayList | 1 |  
| 6 | myfirst | 1 |  
| 8 | Playlist1 | 1 |  
| 9 | Playlist1 | 1 |  
| 10 | Playlist1 | 1 |  
| 11 | Playlist1 | 1 |  
| 12 | MyNewPlayList | 1 |  
+-----+-----+-----+
```

After Running my code this output will be shown:

```
+-----+-----+-----+
| Playlist ID | Playlist Name | User ID |
+-----+-----+-----+
| 1           | sad           | 1       |
| 3           | SameerPlayList | 1       |
| 6           | myfirst        | 1       |
| 8           | Playlist1      | 1       |
| 9           | Playlist1      | 1       |
| 10          | Playlist1      | 1       |
| 11          | Playlist1      | 1       |
| 12          | MyNewPlayList  | 1       |
+-----+-----+-----+
please type something to search playlist it will search if entered value lie in playlist name
sad
+-----+-----+-----+
| Playlist ID | Playlist Name | User ID |
+-----+-----+-----+
| 1           | sad           | 1       |
+-----+-----+-----+
Please Enter PlayListID
1
Song Id      Song Name
1            Kalesi_chori
3            Good_Luck
Please enter the id of the song that you want to play
```

After Running my code this output will be shown:

Enter choice :4					Path	
ID	Song Name	Artist ID	Genre ID	Album ID	Song Duration	Path
1	Kalesi_chori	301	101	201	00:00:20	E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Kalesi_chori.wav
2	Jaan_Ke_Bhulekhe	302	102	202	00:04:35	E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Jaan_Ke_Bhulekhe.wav
3	Good_Luck	303	103	203	00:03:00	E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Good_Luck.wav
4	Despacito	304	104	204	00:04:40	E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Engilsh\Despacito.wav
5	13 Lag Jaa Gale	305	105	205	00:04:00	E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\13 Lag Jaa Gale.wav
6	Jhoome Jo Pathaan	306	106	205	00:03:22	E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\Jhoome Jo Pathaan.wav
7	Kiya Mujhe Pyaar Hai	306	105	205	00:04:26	E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Kiya Mujhe Pyaar Hai.wav
8	Ajab Si (Om Shanti Om)	307	105	205	00:04:03	E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Ajab Si .wav
9	Gori Gori Gori Gori	307	105	205	00:04:30	E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Gori Gori Gori Gori.wav
10	Kiya Mujhe Pyaar Hai	307	105	205	00:04:26	E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Kiya Mujhe Pyaar Hai.wav
11	Tu Jo Mila	307	105	205	00:04:03	E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Tu Jo Mila.wav
12	Yaaron Dosti Badi Hi	307	105	205	00:04:23	E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Yaaron Dosti Badi.wav
13	Faded	304	101	204	00:03:32	E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Engilsh\Faded.wav
14	Extremes	304	101	204	00:02:29	E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Engilsh\Extremes.wav
15	Stay	304	101	204	00:02:21	E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Enqilsh\Stay.wav
16	After-party-6	304	101	204	00:10:22	E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Engilsh\After-party-6.wav
17	Moving-ON	304	101	204	00:07:22	E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Enqilsh\Moving-ON.wav
18	Tujhe Dekha	307	105	205	00:00:30	E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Tujhe Dekha.wav

Please enter the id of the song that you want to play

After Running my code this output will be shown:

```
Please enter the id of the song that you want to play
1
+-----+
| Song Name      : |Kalesi_chori
| Song Duration  : |00:00:20
| Song STATUS    : |Nothing
+-----+
P = play, S = Stop, L = Loop, N = Next, Q = Quit
Enter your choice : p
Music started at: 00:34:29
+-----+
| Song Name      : |Kalesi_chori
| Song Duration  : |00:00:20
| Song STATUS    : |Playing
+-----+
P = play, S = Stop, L = Loop, N = Next, Q = Quit
Enter your choice : n
+-----+
| Song Name      : |Jaan_Ke_Bhulekhe
| Song Duration  : |00:04:35
| Song STATUS    : |Playing
+-----+
P = play, S = Stop, L = Loop, N = Next, Q = Quit
Enter your choice : l
+-----+
| Song Name      : |Jaan_Ke_Bhulekhe
| Song Duration  : |00:04:35
| Song STATUS    : |IN LOOP
+-----+
```

After Running my code this output will be shown:

```
Your UserID is      : 1
Sameer Saifi has logged in successfully.

+-----+
| Which action you want to perform? |
| Please select an option:          |
+-----+
| 1. Create playlist                |
| 2. Show playlist                 |
| 3. Search Playlist               |
| 4. Listen all songs              |
| 5. Listen songs by artist        |
| 6. Listen songs by album         |
| 7. Listen songs by genre         |
| 8. Exit                          |
+-----+
Enter choice          :5
+-----+-----+
| Artist ID   | Artist Name    |
+-----+-----+
| 301        | Raga           |
| 302        | Satinder Sartaaj |
| 303        | Jordan sandhu   |
| 304        | DESPACITO       |
| 305        | Sanam P          |
| 306        | Arijit           |
| 307        | KK              |
+-----+-----+
please enter Artist Id to play songs present in that list
```

After Running my code this output will be shown:

```
Enter choice : 5
+-----+-----+
| Artist ID | Artist Name |
+-----+-----+
| 301      | Raga           |
| 302      | Satinder Sartaaj |
| 303      | Jordan sandhu   |
| 304      | DESPACITO       |
| 305      | Sanam P          |
| 306      | Arijit          |
| 307      | KK              |
+-----+-----+
please enter Artist Id to play songs present in that list
307
+-----*-----*-----*-----*-----*-----*-----+
| ID | Song Name | Artist ID | Genre ID | Album ID | Song Duration | Path |
+-----+-----+-----+-----+-----+-----+
| 8 | Ajab Si (Om Shanti Om) | 307 | 105 | 205 | 00:04:03 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Ajab Si .wav |
| 9 | Gori Gori Gori Gori | 307 | 105 | 205 | 00:04:30 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Gori Gori Gori Gori.wav |
| 10 | Kiya Mujhe Pyaar Hai | 307 | 105 | 205 | 00:04:26 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Kiya Mujhe Pyaar Hai.wav |
| 11 | Tu Jo Mila | 307 | 105 | 205 | 00:04:03 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Tu Jo Mila.wav |
| 12 | Yaaron Dosti Badi Hi | 307 | 105 | 205 | 00:04:23 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Yaaron Dosti Badi.wav |
| 18 | Tujhe Dekha | 307 | 105 | 205 | 00:00:30 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Tujhe Dekha.wav |
+-----+-----+-----+-----+-----+-----+
Please enter the id of the song that you want to play
```

After Running my code this output will be shown:

```
Please enter the id of the song that you want to play
11
+-----+
| Song Name      : |Tu Jo Mila
| Song Duration  : |00:04:03
| Song STATUS    : |Nothing
+-----+
P = play, S = Stop, L = Loop, N = Next, Q = Quit
Enter your choice : p
Music started at: 00:47:29
+-----+
| Song Name      : |Tu Jo Mila
| Song Duration  : |00:04:03
| Song STATUS    : |Playing
+-----+
P = play, S = Stop, L = Loop, N = Next, Q = Quit
Enter your choice : n
+-----+
| Song Name      : |Yaaron Dosti Badi Hi
| Song Duration  : |00:04:23
| Song STATUS    : |Playing
+-----+
P = play, S = Stop, L = Loop, N = Next, Q = Quit
Enter your choice :
```

After Running my code this output will be shown:

```
Your UserID is      : 1
Sameer Saifi has logged in successfully.

+-----+
| Which action you want to perform?   |
| Please select an option:            |
+-----+
| 1. Create playlist                 |
| 2. Show playlist                  |
| 3. Search Playlist                |
| 4. Listen all songs               |
| 5. Listen songs by artist         |
| 6. Listen songs by album          |
| 7. Listen songs by genre          |
| 8. Exit                           |
+-----+
Enter choice      : 6
+-----+-----+
| Album ID      | Album Name      |
+-----+-----+
| 201           | Kalesi          |
| 202           | Bhulekhe        |
| 203           | Luck             |
| 204           | English          |
| 205           | Hindi            |
+-----+-----+
please enter Album Id to play songs present in that list
|
```

After Running my code this output will be shown:

```
+-----+-----+
| Album ID | Album Name      |
+-----+-----+
| 201      | Kalesi          |
| 202      | Bhulekhe        |
| 203      | Luck            |
| 204      | English          |
| 205      | Hindi           |
+-----+-----+
please enter Album Id to play songs present in that list
205
+-----*-----*-----*-----*-----+
| ID | Song Name       | Artist ID | Genre ID | Album ID | Song Duration   | Path
+-----+-----+-----+-----+-----+-----+
| 5  | 13 Lag Jaa Gale | 305      | 105      | 205      | 00:04:00         | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\13 Lag Jaa Gale.wav |
| 6  | Jhoome Jo Pathaan | 306      | 106      | 205      | 00:03:22         | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\Jhoome Jo Pathaan.wav |
| 7  | Kiya Mujhe Pyaar Hai | 306      | 105      | 205      | 00:04:26         | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Kiya Mujhe Pyaar Hai.wav |
| 8  | Ajab Si (Om Shanti Om) | 307      | 105      | 205      | 00:04:03         | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Ajab Si .wav |
| 9  | Gori Gori Gori Gori | 307      | 105      | 205      | 00:04:30         | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Gori Gori Gori Gori.wav |
| 10 | Kiya Mujhe Pyaar Hai | 307      | 105      | 205      | 00:04:26         | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Kiya Mujhe Pyaar Hai.wav |
| 11 | Tu Jo Mila          | 307      | 105      | 205      | 00:04:03         | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Tu Jo Mila.wav |
| 12 | Yaaron Dosti Badi Hi | 307      | 105      | 205      | 00:04:23         | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\KK\Yaaron Dosti Badi.wav |
| 18 | Tujhe Dekha          | 307      | 105      | 205      | 00:00:30         | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Tujhe Dekha.wav |
+-----+-----+-----+-----+-----+
Please enter the id of the song that you want to play
|
```

After Running my code this output will be shown:

```
+-----+  
| 1. Create playlist |  
| 2. Show playlist |  
| 3. Search Playlist |  
| 4. Listen all songs |  
| 5. Listen songs by artist |  
| 6. Listen songs by album |  
| 7. Listen songs by genre |  
| 8. Exit |  
+-----+  
Enter choice :7  
+-----+-----+  
| Genre ID | Genre Name |  
+-----+-----+  
| 101 | Hip Hop |  
| 102 | Sufi rock |  
| 103 | music of punjab |  
| 104 | Latin Pop |  
| 105 | Romantic |  
| 106 | pop |  
+-----+-----+  
please enter Genre Id to play songs present in that list  
106  
+-----*-----*-----*-----*-----*-----+  
| ID | Song Name | Artist ID | Genre ID | Album ID | Song Duration | Path |  
+-----+-----+-----+-----+-----+-----+  
| 6 | Jhoome Jo Pathaan | 306 | 106 | 205 | 00:03:22 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\Jhoome Jo Pathaan.wav |  
+-----+-----+-----+-----+-----+-----+  
Please enter the id of the song that you want to play  
66
```

After Running my code this output will be shown:

```
please enter Genre Id to play songs present in that list
106
+-----+-----+-----+-----+-----+
| ID | Song Name | Artist ID | Genre ID | Album ID | Song Duration | Path
+-----+-----+-----+-----+-----+
| 6 | Jhoome Jo Pathaan | 306 | 106 | 205 | 00:03:22 | E:\IntelliJ IDEA\jukeboxapplicationfinalsameer\Songs\Hindi\Jhoome Jo Pathaan.wav |
+-----+-----+-----+-----+-----+
Please enter the id of the song that you want to play
6
+-----+
| Song Name : | Jhoome Jo Pathaan
| Song Duration : | 00:03:22
| Song STATUS : | Nothing
+-----+
P = play, S = Stop, L = Loop, N = Next, Q = Quit
Enter your choice : n
No more songs to play
if you want to enjoy the service again then please enter 1 to continue or enter 0 to exit
```

After Running my code this output will be shown:

```
Your UserID is      : 1
Sameer Saifi has logged in successfully.

+-----+
| Which action you want to perform? |
| Please select an option:          |
+-----+
| 1. Create playlist                |
| 2. Show playlist                 |
| 3. Search Playlist               |
| 4. Listen all songs              |
| 5. Listen songs by artist        |
| 6. Listen songs by album         |
| 7. Listen songs by genre         |
| 8. Exit                          |
+-----+
Enter choice      :8
You have been logged out successfully.
```



Any Questions...?



THANK
YOU

