

# Project Final

## Flock

### Team #11

Ben Pallotti, Victoria Miller, Alex Nguyen,  
Armando Ortiz, Emmanuel Okafor

**Team Members:** for each member  
indicate

All members participated equally

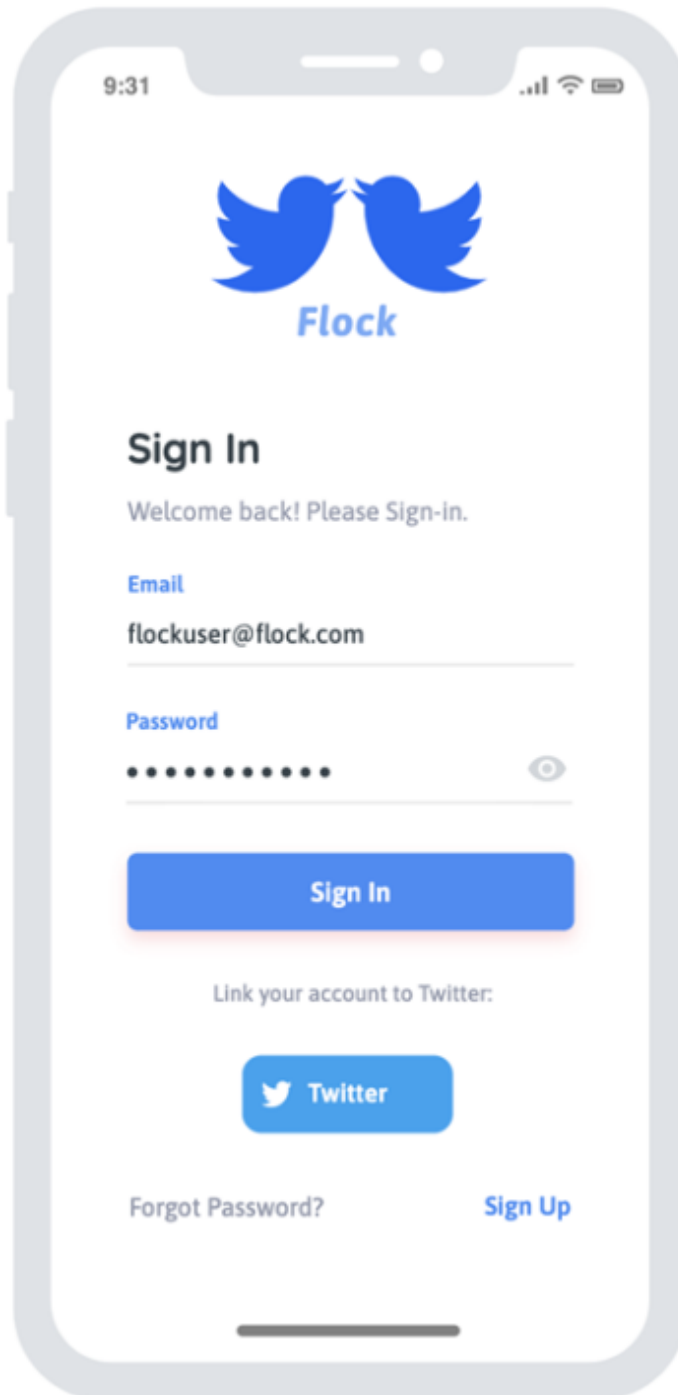
a: did his/her share

b: did more than his/her share

c: did less than his/her share (explain  
if necessary)


d: did nothing

# 1. Log-in Screen




A mobile application login screen for 'Flock'. The screen is displayed on a smartphone frame. At the top, the status bar shows the time 9:31, signal strength, Wi-Fi, and battery. The app logo consists of two blue birds facing each other with the word 'Flock' in blue below them. Below the logo is the title 'Sign In' in bold black text, followed by the subtitle 'Welcome back! Please Sign-in.' in a smaller font. There are two input fields: 'Email' with the value 'flockuser@flock.com' and 'Password' with masked characters. A blue 'Sign In' button is positioned below the password field. Below the button is a section titled 'Link your account to Twitter:' with a blue button containing the Twitter logo and the word 'Twitter'. At the bottom, there are two links: 'Forgot Password?' and 'Sign Up'.

9:31

  
**Flock**


**Sign In**  
Welcome back! Please Sign-in.

Email  
flockuser@flock.com

Password  
..... 

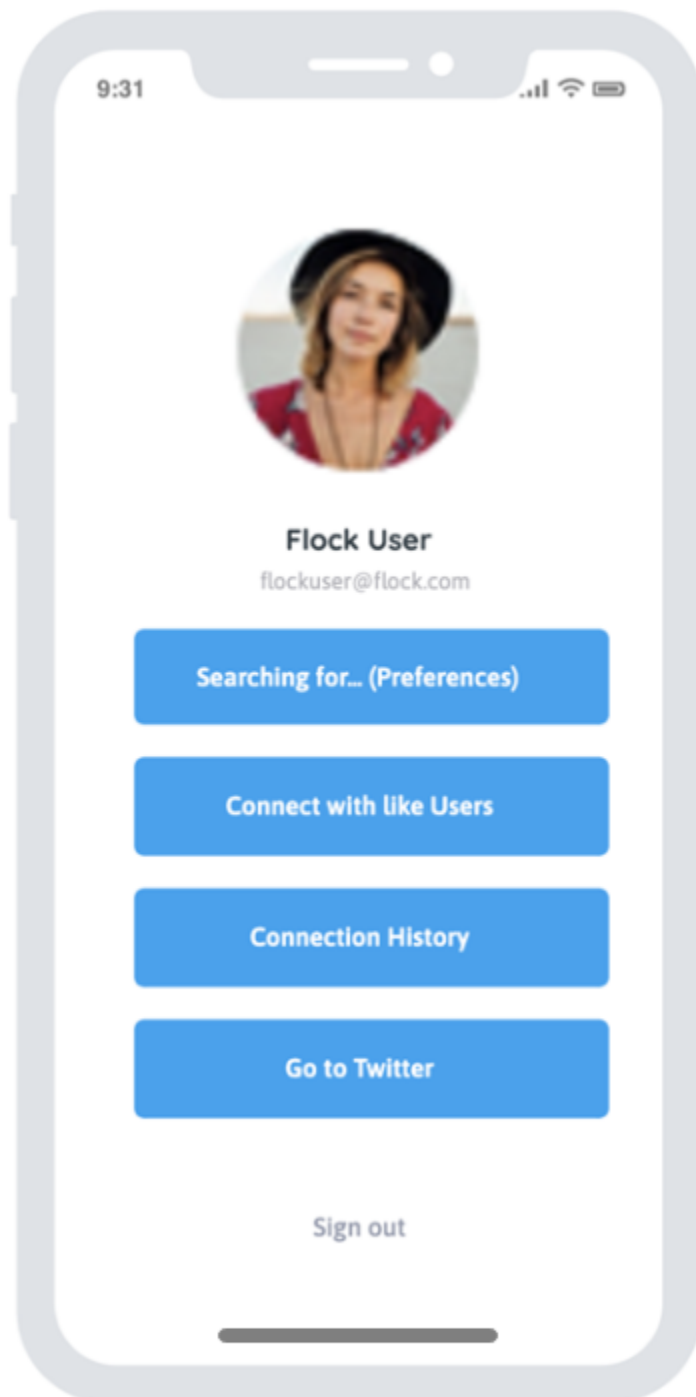
**Sign In**

Link your account to Twitter:

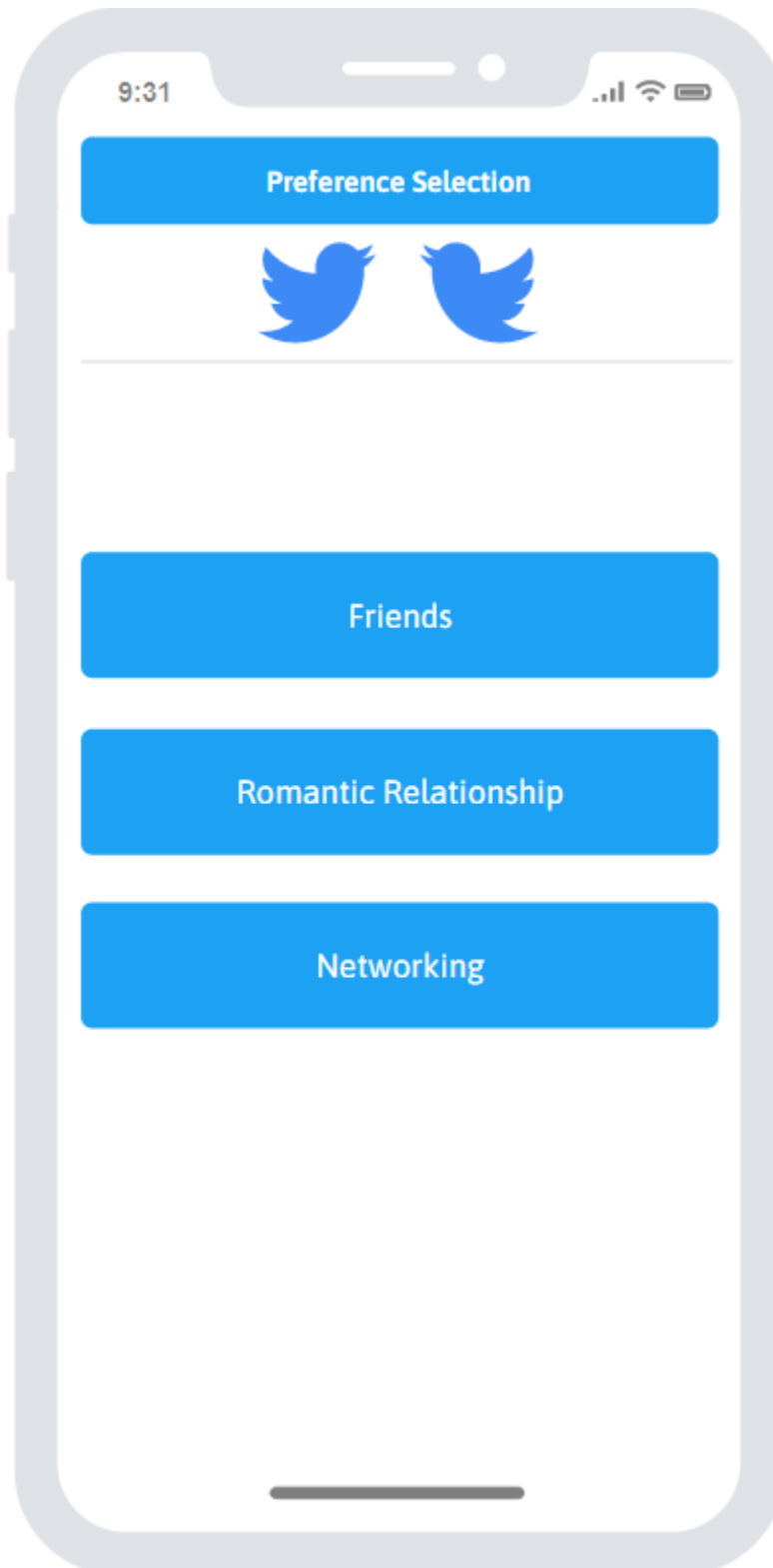
 **Twitter**

Forgot Password? [Sign Up](#)

## 2. Main Menu



### 3. Searching for...(Preferences)



## 4A. Searching for...(Friends)

[Go back](#)

9:31



Preference Selection: Friends



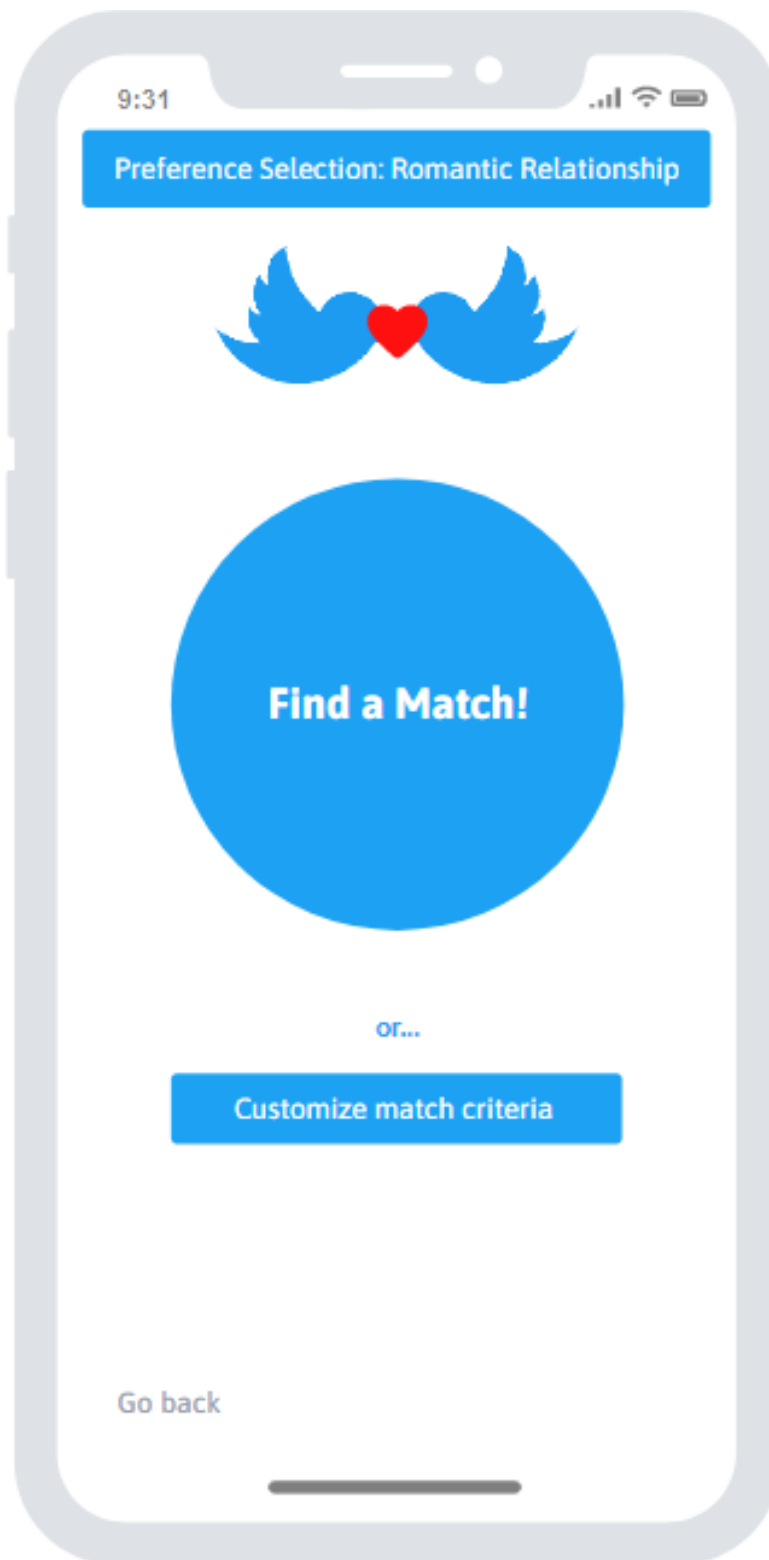
**Find a Match!**

or...

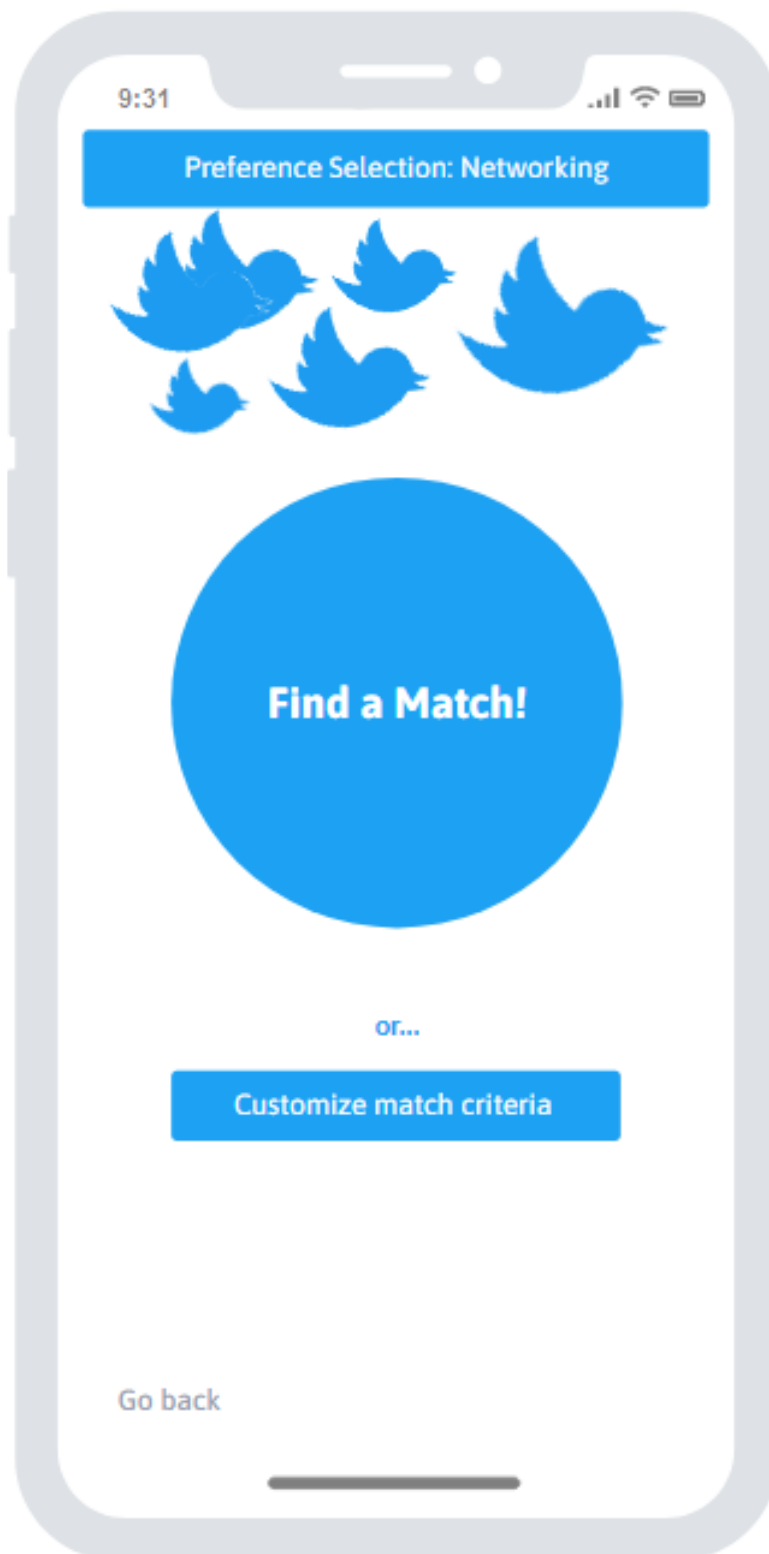
Customize match criteria

Go back

## 4B. Searching for...(Romance)



## 4C. Searching for...(Networking)





## 5. Match Criteria Customization

9:31

Customize match criteria

**Find match using:**

☐ Common Likes

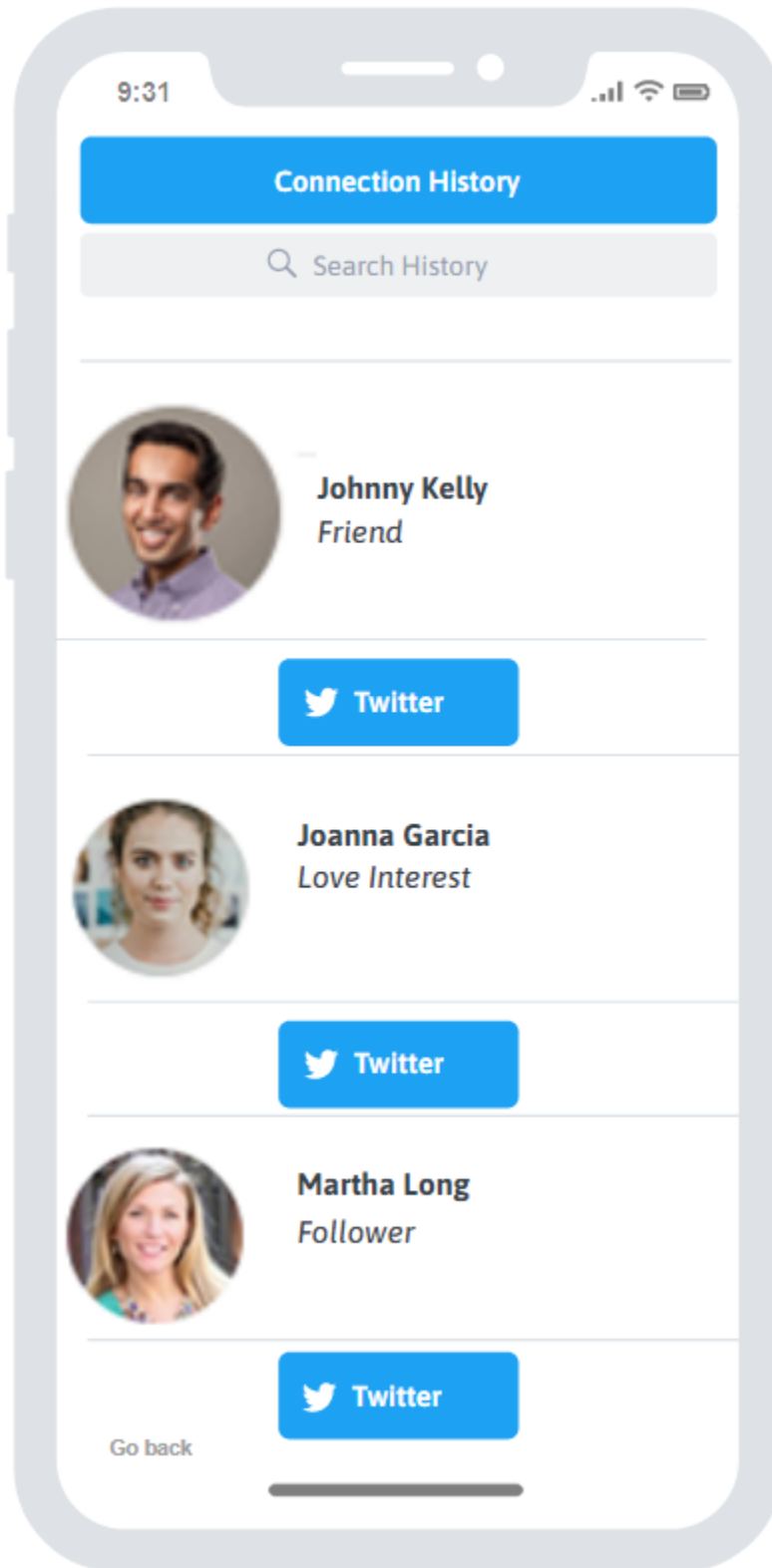
☐ Similar Follows

☐ Same Retweets

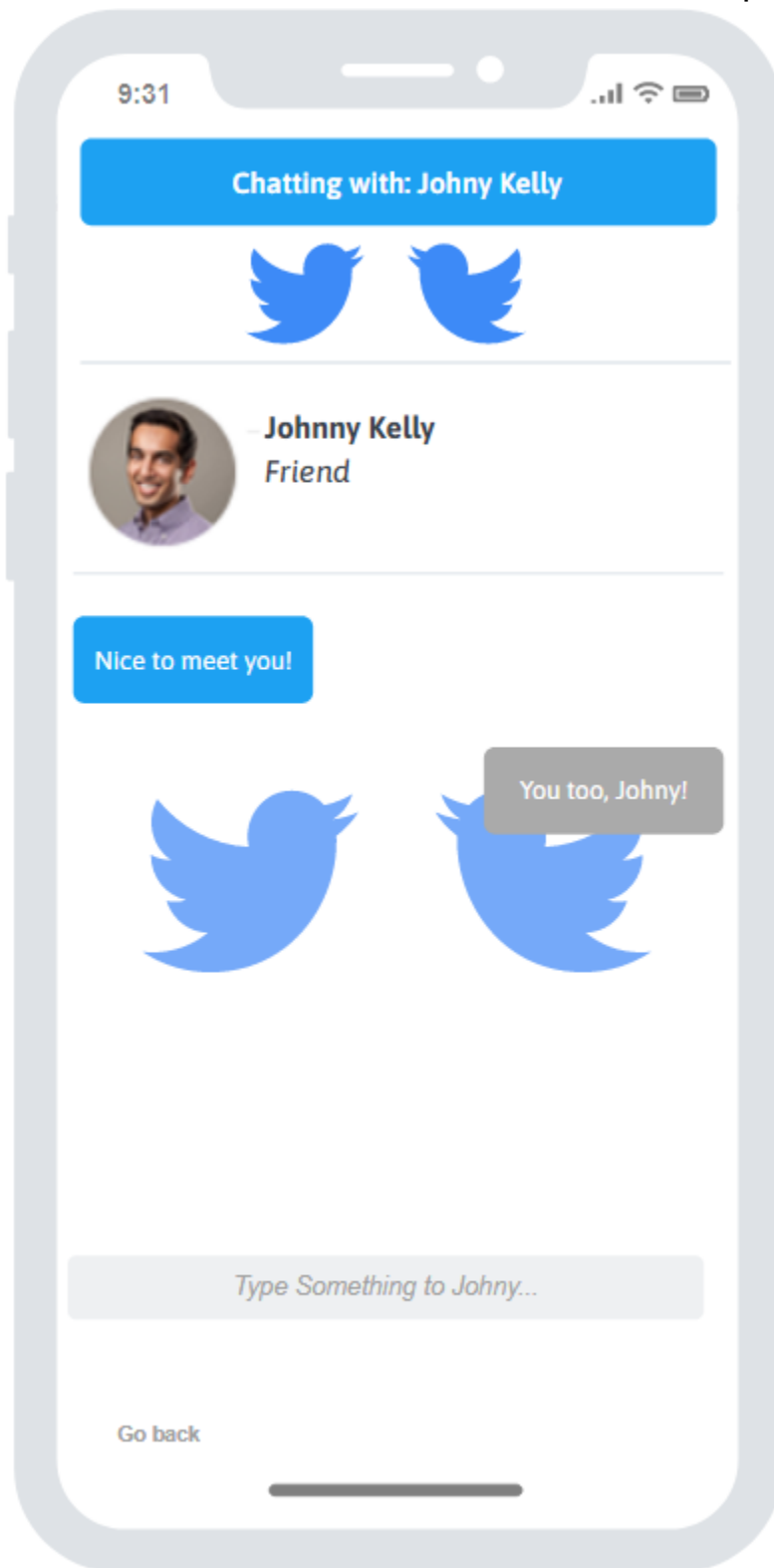
☒ Tweet Keywords

Go back

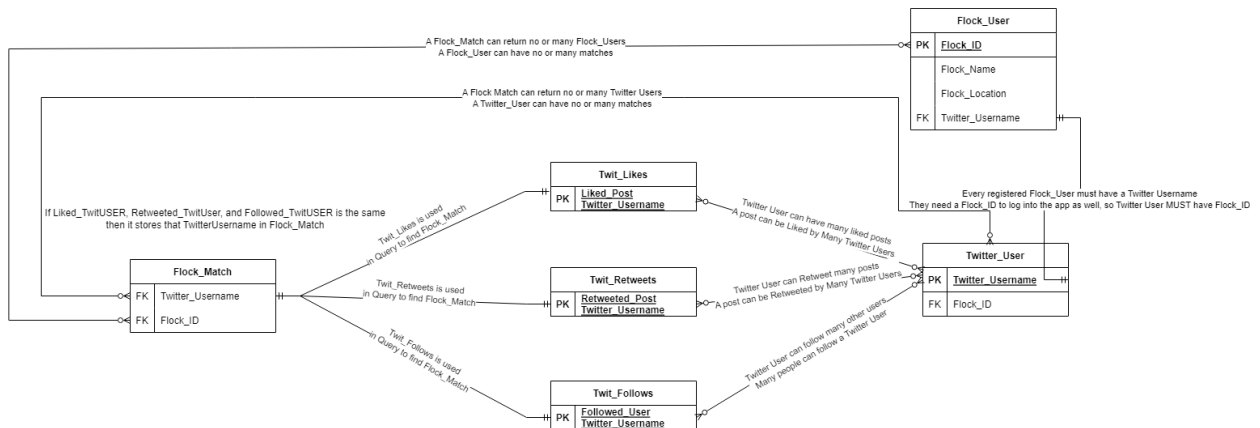
## 6. Connect With Like Users



## 7. Chat: Activates when a user is selected in the previous screen.



# Database



## Microsoft Access 2007:

Flock_User					
	Flock_ID	Flock_Name	Flock_Locati	Click to Add	
+	1	Joseph	Canada		
+	2	Carolynn	France		
+	3	Andrew	America		
+	4	John	United Kingdom		
+	5	Milaan	France		
+	6	Richard	America		
+	7	Trey	Netherlands		
+	8	Benjamin	NULL		
+	9	Paco	Mexico		
+	10	Robert	NULL		
*	(New)				

Flock User Table

Twitter_User			
	Twitter_Username	Flock_ID	Click to Add
+	BigJoey453	1	
+	CaryolynnCarole32	2	
+	FootballEnthusiast182	3	
+	CatLover992	4	
+	LillyMilly3	5	
+	Hunter4Life	6	
+	StarTreyck24	7	
+	B1gB3n	8	
+	ILoveAnimation1	9	
+	TechnicalTrashcan872	10	
*		(New)	

Twitter User Table

Twit_Follows			
	Twitter_Username	Followed_User	Click to Add
	BigJoey453	https://twitter.com/AnnaART89333	
	CaryolynnCarole32	https://twitter.com/AnnaART89333	
	StarTreyck24	https://twitter.com/AnnaART89333	
	CatLover992	https://twitter.com/cat_auras	
	CatLover992	https://twitter.com/Cats	
	CatLover992	https://twitter.com/CatWorkers	
	TechnicalTrashcan872	https://twitter.com/computermusicuk	
	CaryolynnCarole32	https://twitter.com/corussing	
	FootballEnthusiast182	https://twitter.com/GeorgiaTechFB	
	Hunter4Life	https://twitter.com/GeorgiaTechFB	
	StarTreyck24	https://twitter.com/gregcatarino1	
	B1gB3n	https://twitter.com/gsightseeing	
	LillyMilly3	https://twitter.com/MalayFoodHunter	
	StarTreyck24	https://twitter.com/MalayFoodHunter	
	FootBallEnthusiast182	https://twitter.com/NFL	
	CaryolynnCarole32	https://twitter.com/singingsuccess	
	LillyMilly3	https://twitter.com/TemptingFoodNow	
	BigJoey453	https://twitter.com/TmarTn	
	TechnicalTrashcan872	https://twitter.com/TmarTn	
	CaryolynnCarole32	https://twitter.com/urreasinging	
*			

Twitter Follows Table

Twit_Retweets X			
Twitter_Username	Retweeted_Post		Click to Add
StarTreyck24	https://twitter.com/ani_obsessive/status/1583068612092645377		
BigJoey453	https://twitter.com/AnnaART89333/status/1583181735927304192		
CaryolynnCarole32	https://twitter.com/AnnaART89333/status/1583181735927304192		
CatLover992	https://twitter.com/AnnaART89333/status/1583181735927304192		
StarTreyck24	https://twitter.com/AnnaART89333/status/1583181735927304192		
StarTreyck24	https://twitter.com/Art_Vanitas/status/1582666194569822209		
FootballEnthusiast182	https://twitter.com/DukeMBB/status/1582901905465872384		
ILoveAnimation1	https://twitter.com/duolingo/status/1581437961979056128		
FootballEnthusiast182	https://twitter.com/GeorgiaTechFB/status/1582870669766688768		
Hunter4Life	https://twitter.com/GeorgiaTechFB/status/1582870669766688768		
StarTreyck24	https://twitter.com/gregcatarino1/status/1580644127443931136		
LillyMilly3	https://twitter.com/MalayFoodHunter/status/158260165776208281		
StarTreyck24	https://twitter.com/MalayFoodHunter/status/158260165776208281		
B1gB3n	https://twitter.com/odwbikemike/status/1576281277975564288		
LillyMilly3	https://twitter.com/s0fthunny/status/1583192170361630720		
ILoveAnimation1	https://twitter.com/Simpsons_tweets/status/158314204850844057		
Hunter4Life	https://twitter.com/TaraHuntingLove/status/1582307898398363648		
LillyMilly3	https://twitter.com/TemptingFoodNow/status/15820089478415073		
LillyMilly3	https://twitter.com/TemptingFoodNow/status/15826276771519283		
BigJoey453	https://twitter.com/TheWoofWorld/status/1582774414256398340		
*			

Twitter Retweets Table

Twit_Likes X			
Twitter_UserName	Liked_Post		Click to Add
BigJoey453	https://twitter.com/AnnaART89333/status/1583181735927304192		
StarTreyck24	https://twitter.com/AnnaART89333/status/1583181735927304192		
ILoveAnimation1	https://twitter.com/AYMRC/status/1582817669509943297		
CatLover992	https://twitter.com/cat_auras/status/1582237541801291776		
ILoveAnimation1	https://twitter.com/chibetto64/status/1583206992549539840		
TechnicalTrashcan872	https://twitter.com/computermusicuk/status/1582014204927963142		
LillyMilly3	https://twitter.com/d_floe_/status/1583156093177544711		
Hunter4Life	https://twitter.com/eastmans/status/1582764592911945728		
FootballEnthusiast182	https://twitter.com/GeorgiaTechFB/status/1582870669766688768		
Hunter4Life	https://twitter.com/GeorgiaTechFB/status/1582870669766688768		
ILoveAnimation1	https://twitter.com/Hayk_Animation/status/1582509964920094720		
FootballEnthusiast182	https://twitter.com/HBCULegacyBowl/status/1580581358971154432		
Hunter4Life	https://twitter.com/Lydia_fishing/status/1583093159126790144		
LillyMilly3	https://twitter.com/MalayFoodHunter/status/1582601657762082816		
StarTreyck24	https://twitter.com/MalayFoodHunter/status/1582601657762082816		
FootballEnthusiast182	https://twitter.com/NFL/status/1583259231259500544		
TechnicalTrashcan872	https://twitter.com/Nibellion/status/1580957720546770944		
B1gB3n	https://twitter.com/TmarTn/status/1580221000347688962		
BigJoey453	https://twitter.com/TmarTn/status/1580221000347688962		
TechnicalTrashcan872	https://twitter.com/TmarTn/status/1580221000347688962		
*			

Twitter Likes Table

Twitter_Username	Flock_ID
StarTreyck24	7

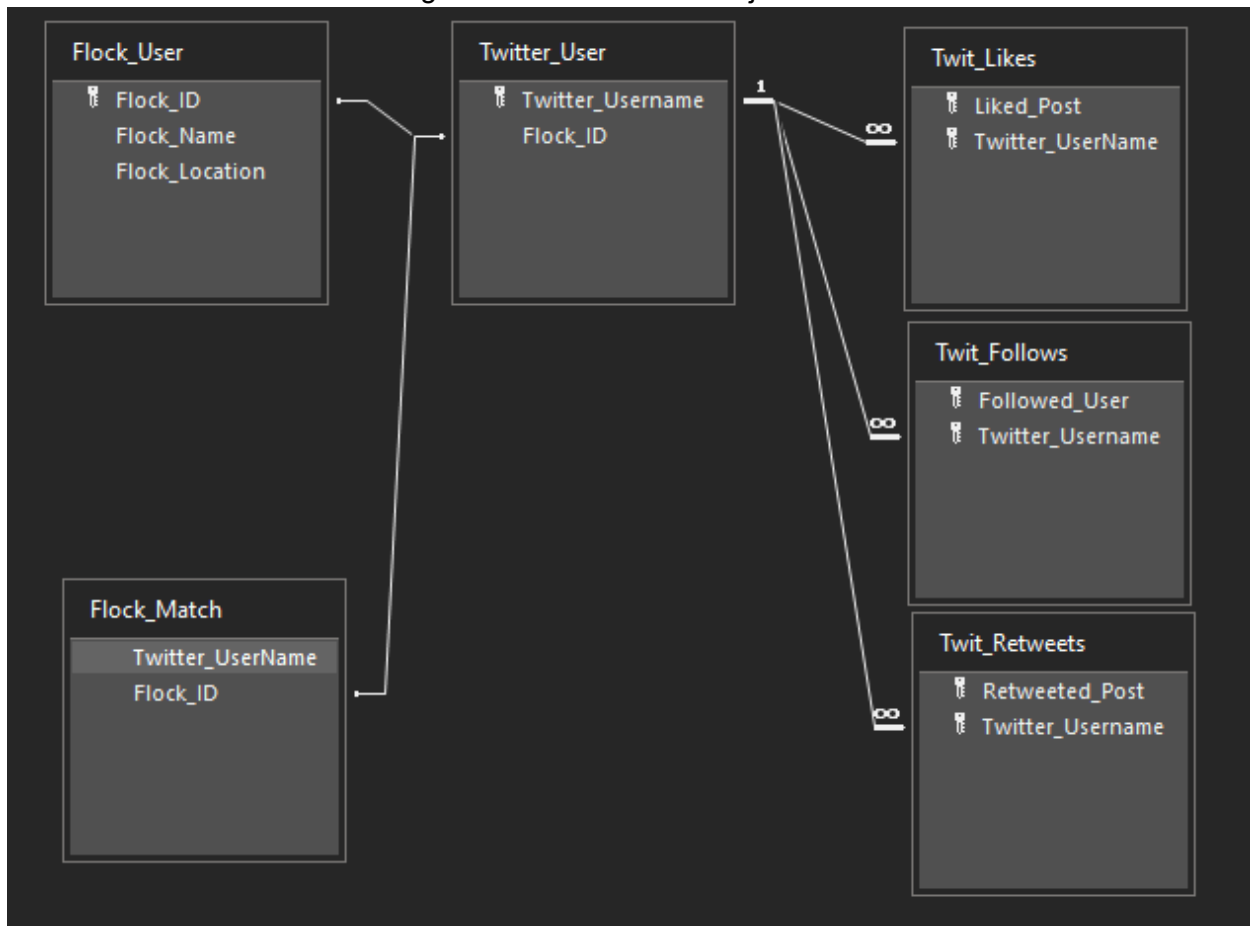
Sample output of Flock Match assuming the Flock user was Benjamin

```

SELECT DISTINCT Twit_Likes.Twitter_Username, Twitter_User.Flock_ID
FROM ((Twitter_User INNER JOIN Twit_Follows ON Twitter_User.Twitter_Username = Twit_Follows.Twitter_Username) INNER JOIN
Twit_Likes ON Twitter_User.Twitter_Username = Twit_Likes.Twitter_UserName) INNER JOIN Twit_Retweets ON
Twitter_User.Twitter_Username = Twit_Retweets.Twitter_Username
WHERE (((Twit_Likes.Twitter_Username) <> 'BigJoey453') AND ((Twit_Retweets.Retweeted_Post) In
('https://twitter.com/AnnaART89333/status/1583181735927304192','https://twitter.com/TheWoofWorld/status/1582774414256398340'))
AND ((Twit_Likes.Liked_Post) In
('https://twitter.com/TmarTn/status/1580221000347688962','https://twitter.com/AnnaART89333/status/1583181735927304192')) AND
((Twit_Follows.Followed_User) In ('https://twitter.com/TmarTn','https://twitter.com/AnnaART89333')));

```

Flock Match SQL used assuming the Flock user was Benjamin



Relationship Layout