Available on the App Store

SignWriting App | Presenter: Jake Chasan

Goals/Successes

- One of the goals with the "SignWriting" app was to make an interactive tool for educators, parents and students to use to teach SignWriting

- We did this by:

  1. Determining a list of useful terms

  2. Locating graphics that represent the terms

  3. Designing flashcards to use in the app

  4. Organizing the data into JavaScript Object Notation.

  5. Programming the App in Objective-C

  6. Applying for approval from Apple

  7. Presenting the app to the community

Gainsborough Street, Fenway Kenmore","landmarkGPSNorth":"42.3413","landmarkGPSWest":"71.0
    jsonArray += ', {"landmarkName":"New England Hospital for Women and Children","landma
Sears and opened in 1872, this facility was the first public hospital run by women doctor
England.","landmarkPhoto":"Landmark_Photos/New_England_Hospital_Women_Children.jpg","land
ddress":"41 and 55 Dimock St., Roxbury","landmarkGPSNorth":"42.3197","landmarkGPSWest":"7
    jsonArray += ', {"landmarkName":"Old City Hall (Boston)","landmarkDescription":"This
Second Empire style. Designed by Gridley James Fox Bryant and Arthur Gilman, it served as
1969.","landmarkPhoto":"Landmark_Photos/Old_City_Hall_Boston.jpg","landmarkLink":"#oldCit
Downtown","landmarkGPSNorth":"42.3580","landmarkGPSWest":"71.0593"}';
    jsonArray += ', {"landmarkName":"Old North Church","landmarkDescription":"This church
Christopher Wren, is the oldest active church building in Boston. It was where Paul Rever
the opposite shore will be\') to notify others of British troop movements prior to the Ba
Concord.","landmarkPhoto":"Landmark_Photos/Old_North_Church.jpg","landmarkLink":"#oldNort
End","landmarkGPSNorth":"42.3665","landmarkGPSWest":"71.0546"}';
    jsonArray += ', {"landmarkName":"Old South Church in Boston","landmarkDescription":"B
Sears, this church is home to one of the city\'s oldest congregations (established
1670).","landmarkPhoto":"Landmark_Photos/Old_South_Church.jpg","landmarkLink":"#oldSouthC
Bay","landmarkGPSNorth":"42.3500","landmarkGPSWest":"71.0777"}';
    jsonArray += ', {"landmarkName":"Old South Meeting House","landmarkDescription":"An a
Boston Tea Party was planned on December 16, 1773. It was also the site of other Revoluti
gatherings.","landmarkPhoto":"Landmark_Photos/Old_South_Meeting_House.jpg","landmarkLink"
St., Downtown Crossing","landmarkGPSNorth":"42.3570","landmarkGPSWest":"71.0587"}';
    jsonArray += ', {"landmarkName":"Old State House","landmarkDescription":"This buildin
and state government until 1793. It was outside this building that the Boston Massacre to
1770.","landmarkPhoto":"Landmark_Photos/Old_State_House.jpg","landmarkLink":"#oldStateHou
Crossing","landmarkGPSNorth":"42.3587","landmarkGPSWest":"71.0574"}';
    jsonArray += ', {"landmarkName":"Old West Church","landmarkDescription":"This 1837 ch
earlier church whose congregation was noted for its opposition to British rule. Its most
may have coined the phrase \'no taxation without
representation.\'","landmarkPhoto":"Landmark_Photos/Old_West_Church.jpg","landmarkLink":"
End","landmarkGPSNorth":"42.3613","landmarkGPSWest":"71.0642"}';
    jsonArray += ', {"landmarkName":"Paul Revere House","landmarkDescription":"This house
Revolutionary War hero, silversmith, and early industrialist Paul Revere, and is now a ho
Trail.","landmarkPhoto":"Landmark_Photos/Paul_Revere_House.jpg","landmarkLink":"#paulReve
End","landmarkGPSNorth":"42.3638","landmarkGPSWest":"71.0536"}';
    jsonArray += ', {"landmarkName":"Pierce-Hichborn House","landmarkDescription":"This h
next door to the Paul Revere House, and owned by the Paul Revere Memorial Association.","
Hichborn_House.jpg","landmarkLink":"#pierceHichbornHouse","landmarkStreetAddress":"29 Nor
End","landmarkGPSNorth":"42.3636","landmarkGPSWest":"71.0536"}';
    jsonArray += ', {"landmarkName":"Quincy Market","landmarkDescription":"Constructed un
market was designed by architect Alexander Parris and built on land made by filling part
harbor.","landmarkPhoto":"Landmark_Photos/Quincy_Market.jpg","landmarkLink":"#quincyMarke
Downtown","landmarkGPSNorth":"42.3602","landmarkGPSWest":"71.055"}';
    jsonArray += ', {"landmarkName":"Samuel Gridley and Julia Ward Howe House","landmarkD
Gridley Howe, designed by Charles
Bulfinch.","landmarkPhoto":"Landmark_Photos/Samuel_Gridley_and_Julia_Ward_Howe_House.jpg"
etAddress":"13 Chestnut Street, Beacon Hill","landmarkGPSNorth":"42.3577","landmarkGPSWes
    jsonArray += ', {"landmarkName":"Shirley-Eustis House","landmarkDescription":"Built i
house was also home to Massachusetts Governor William Eustis.","landmarkPhoto":"Landmark_
Eustis_House.jpg","landmarkLink":"#shirleyEustisHouse","landmarkStreetAddress":"33 Shirle
Roxbury","landmarkGPSNorth":"42.3236","landmarkGPSWest":"71.0720"}';
    jsonArray += ', {"landmarkName":"St. Paul\'s Church","landmarkDescription":"This Gree
It was the first Episcopalian church built in post-independence Boston, and is now the ca
Massachusetts.","landmarkPhoto":"Landmark_Photos/St._Pauls_Church.jpg","landmarkLink":"#s
Hill","landmarkGPSNorth":"42.3559","landmarkGPSWest":"71.0626"}';
    jsonArray += ', {"landmarkName":"Symphony Hall","landmarkDescription":"This hall has
built to a design by McKim, Mead, and White. The performance space is noted for its excel
acoustics.","landmarkPhoto":"Landmark_Photos/Symphony_Hall.jpg","landmarkLink":"#symphony
Kenmore","landmarkGPSNorth":"42.3426","landmarkGPSWest":"71.0858"}';
    jsonArray += ', {"landmarkName":"Tremont Street Subway","landmarkDescription":"The ol
1897, and is still in service
today.","landmarkPhoto":"Landmark_Photos/Tremont_Street_Subway.jpg","landmarkLink":"#trem
Downtown","landmarkGPSNorth":"42.3547","landmarkGPSWest":"71.0640"}';
    jsonArray += ', {"landmarkName":"Trinity Church","landmarkDescription":"Built in the

Challenges

- Creating an app in a language which I was not familiar

- Loading the flashcards in a time efficient manner

- Keeping the size of the images small enough to allow the app to be self contained on the individuals device so that it did not require a server to maintain the app

- Finding high quality images without copywriter to portray the words
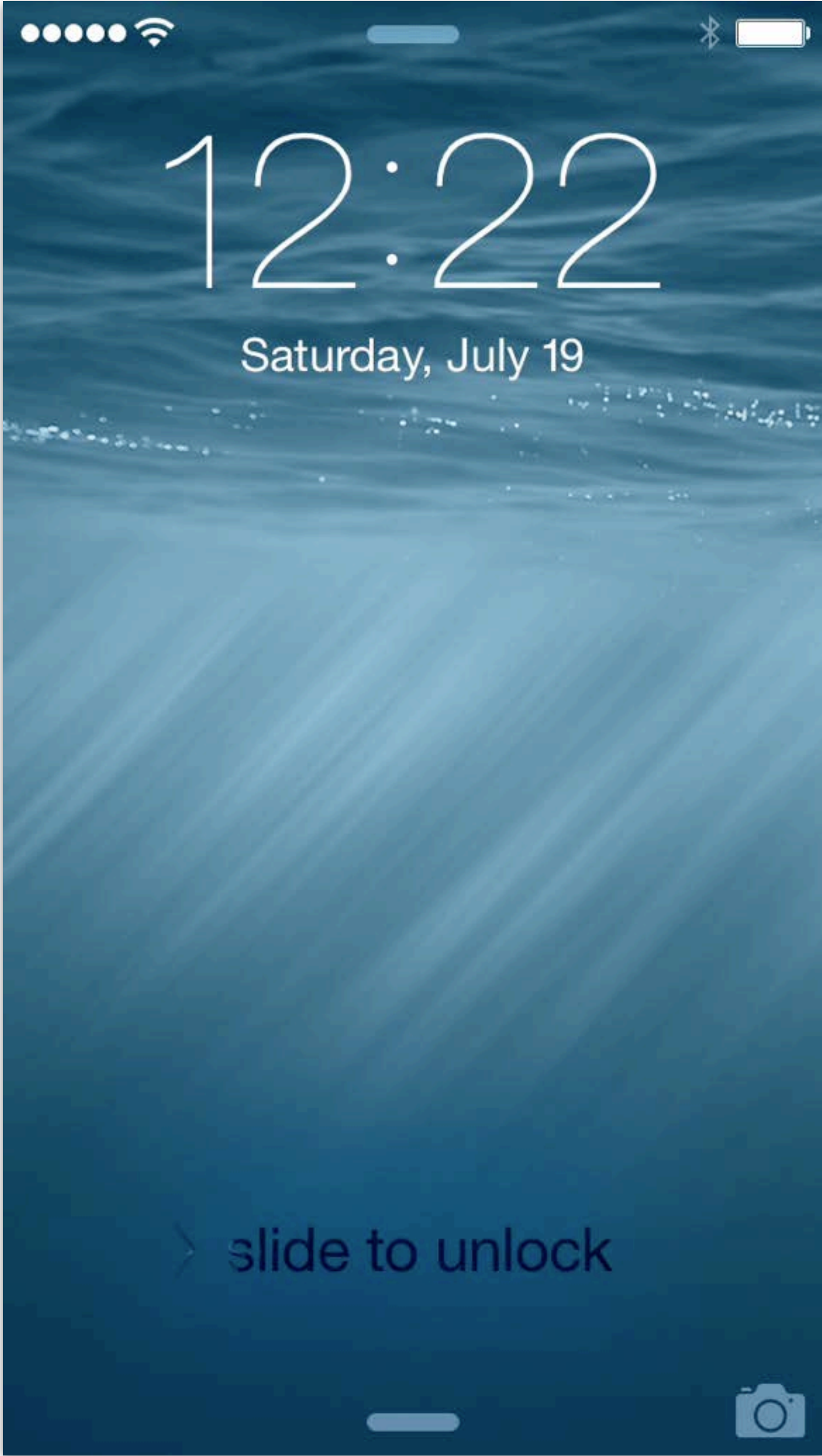
Download from App Store

Search Screen

- A user can search the entire SignWriting database

- The user can control the type of search they would like to perform

  - any part of the word

  - start of word

  - exact word
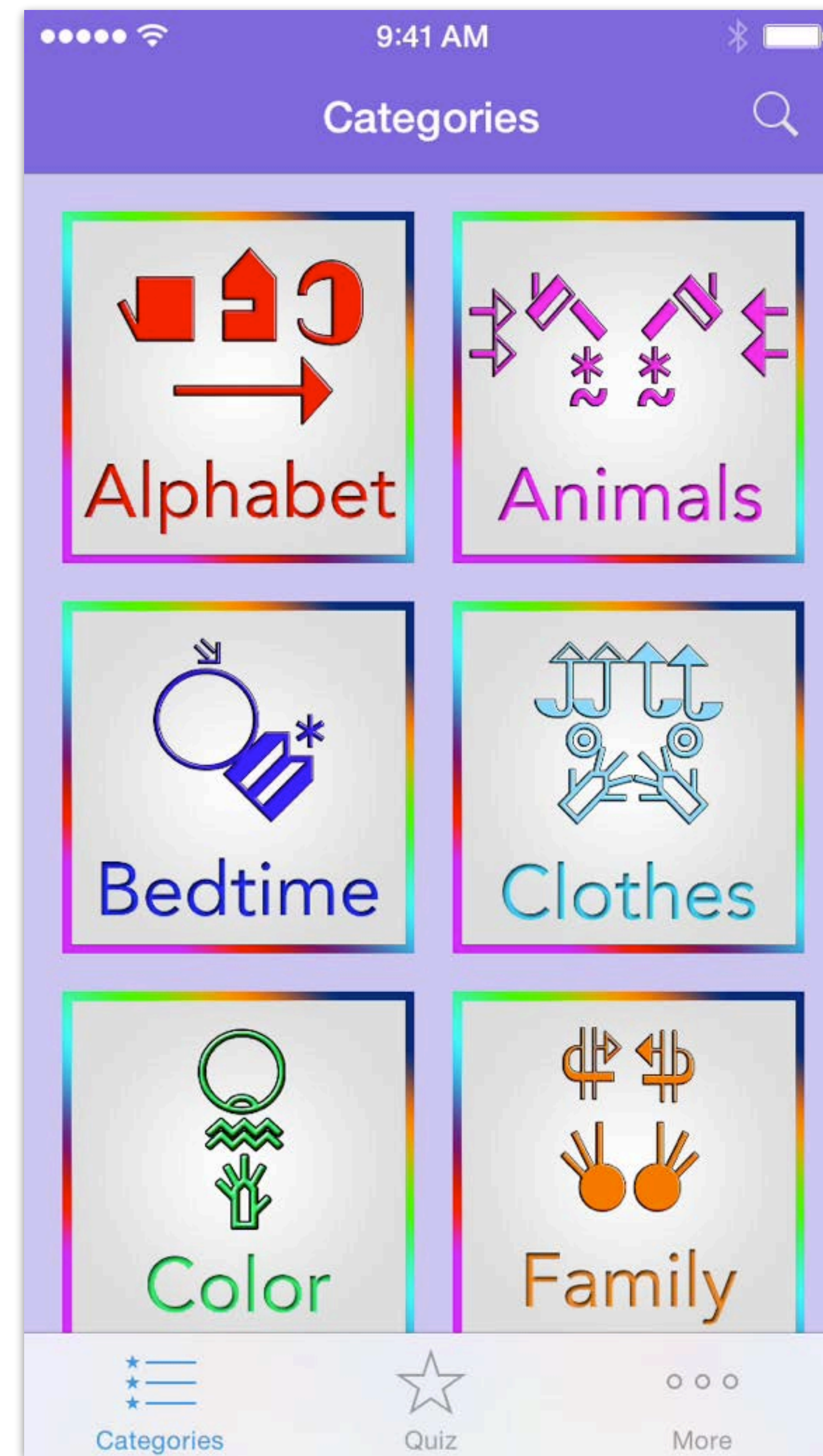
Categories

- Alphabet

- Animals

- Bedtime

- Clothes

- Color

- Family

- Feelings

- Food

- Money

- Numbers

- Places

- Time

- Weather

Alphabet

- A through Z

- All capital letters

Animals

- Bird

- Cat

- Cow

- Dog

- Fish

- Horse

- Lion

- Monkey

- Pig

- Rabbit

- Snake

Bedtime

- Bathroom

- Bed

- Bedroom

- Brush teeth

- Sleep

- Wash

Clothes

- Coat
- Glasses
- Hat
- Pajamas
- Pants
- Sandals
- Shirt
- Shoes
- Shorts
- Socks
- Sweater

Color

- Black

- Blue

- Brown

- Green

- Orange

- Purple

- Red

- White

- Yellow

Family

- Baby

- Boy

- Brother

- Dad

- Girl

- Grandfather

- Grandmother

- Married

- Mom

- Sister

Feelings

- Angry

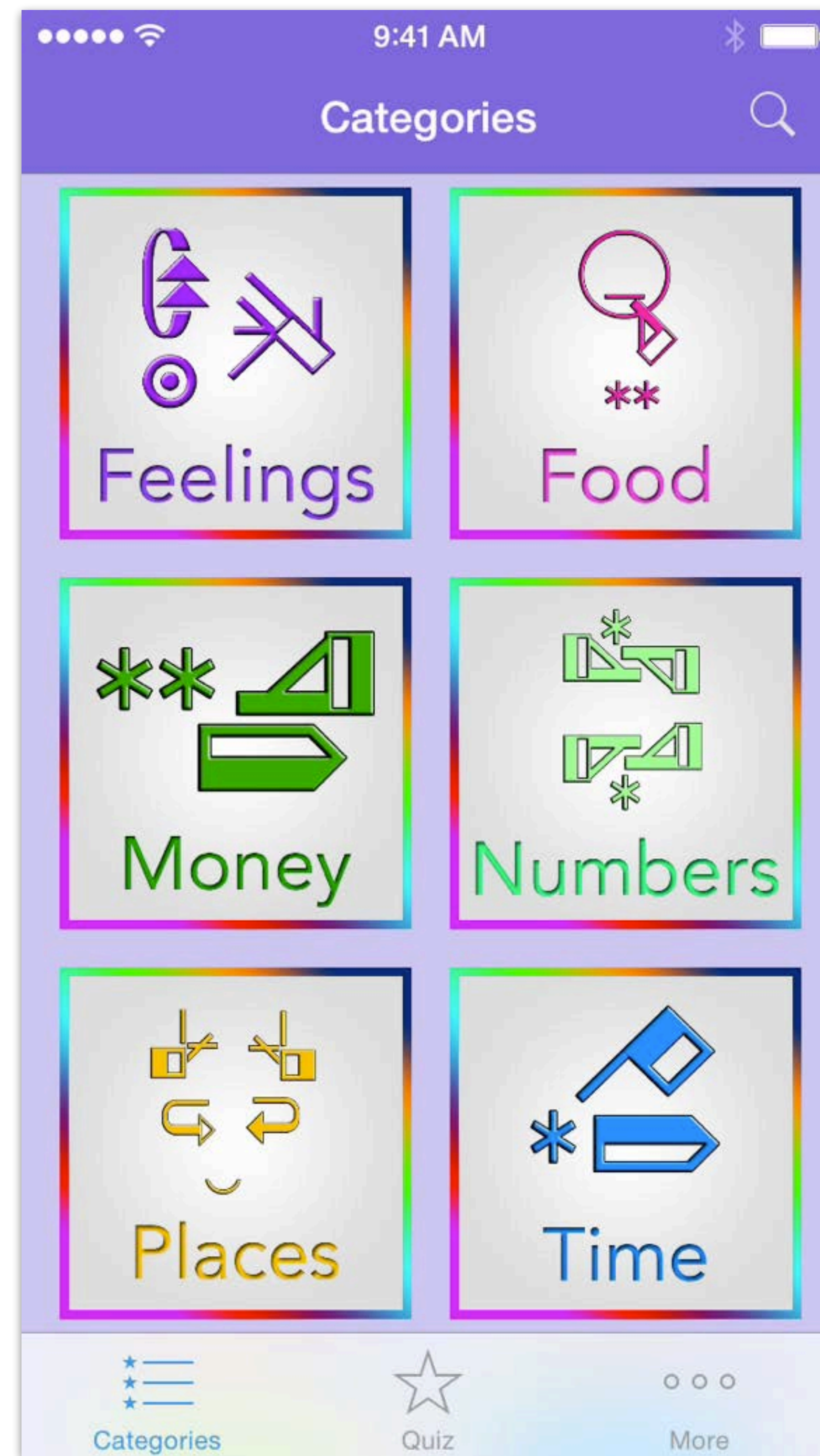- Cry

- Happy

- Hurt

- Love

- Sad

- Sorry
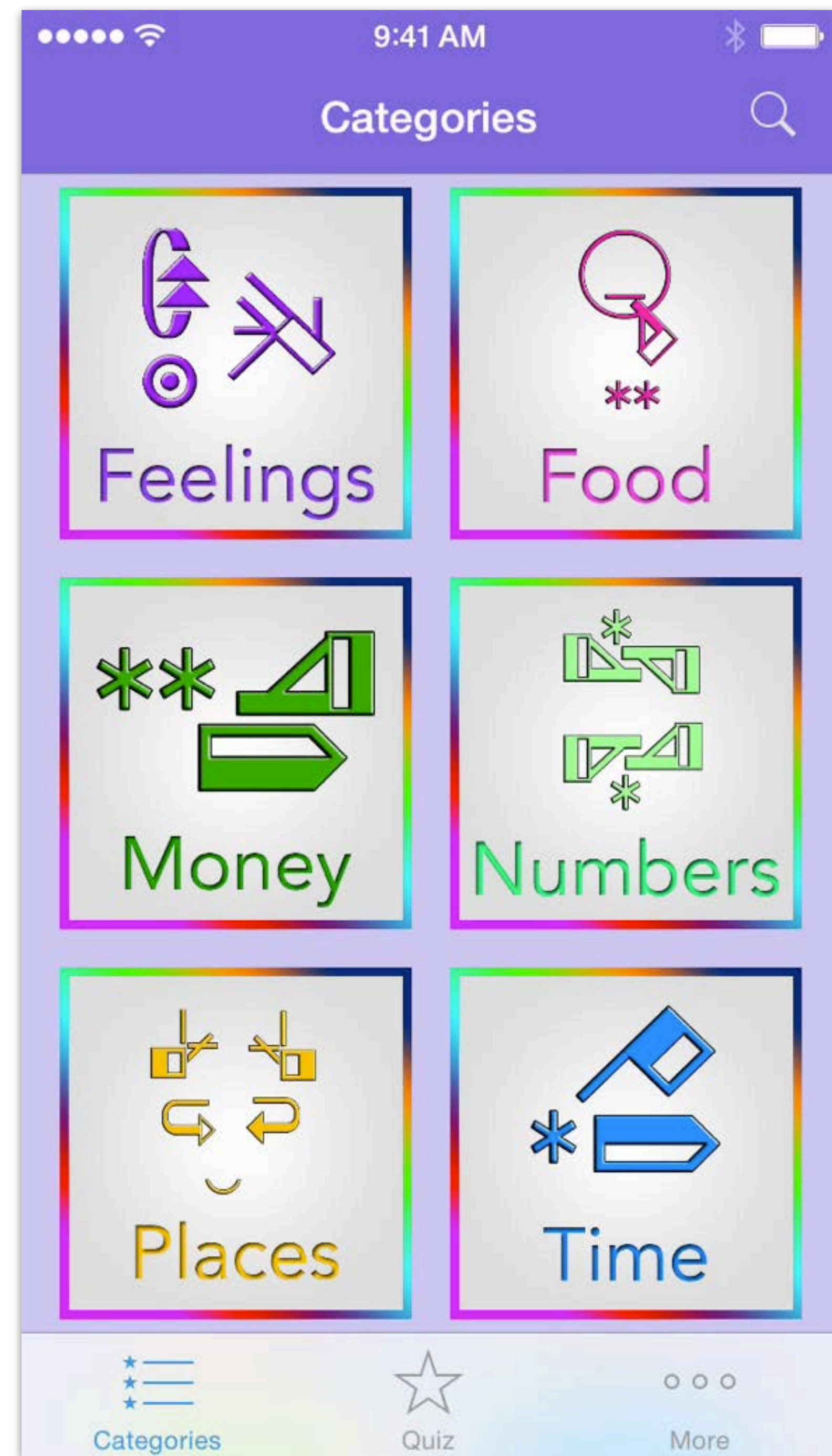
Food

- Apple
- Bowl
- Candy
- Cereal
- Cheese
- Cookie
- Cup
- Drink
- Egg

- Fork
- Glass
- Hamburger
- Hotdog
- Hungry
- Knife
- Milk
- Pizza
- Plate
- Spoon
- Water
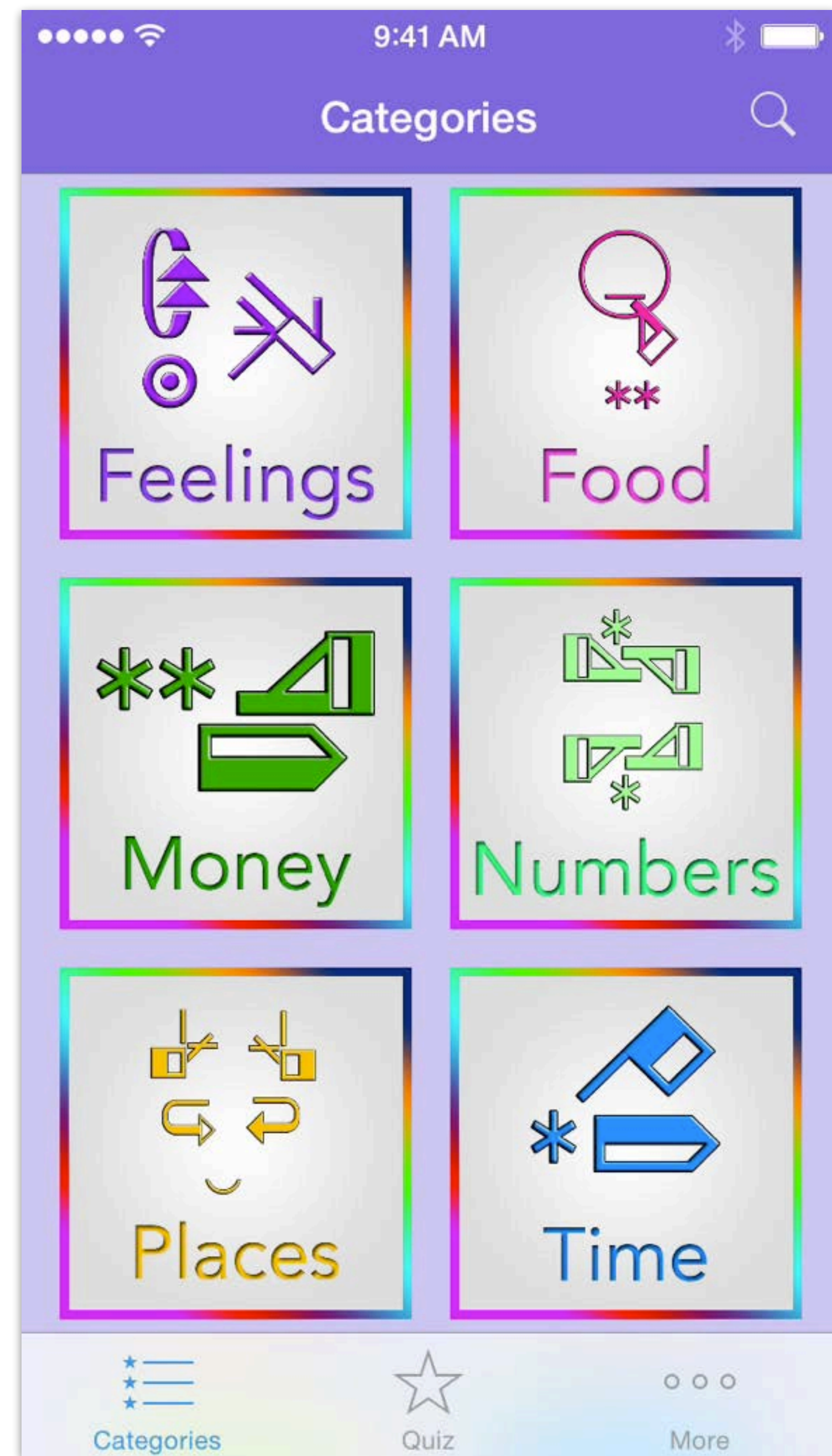
Money

- ATM

- Bank

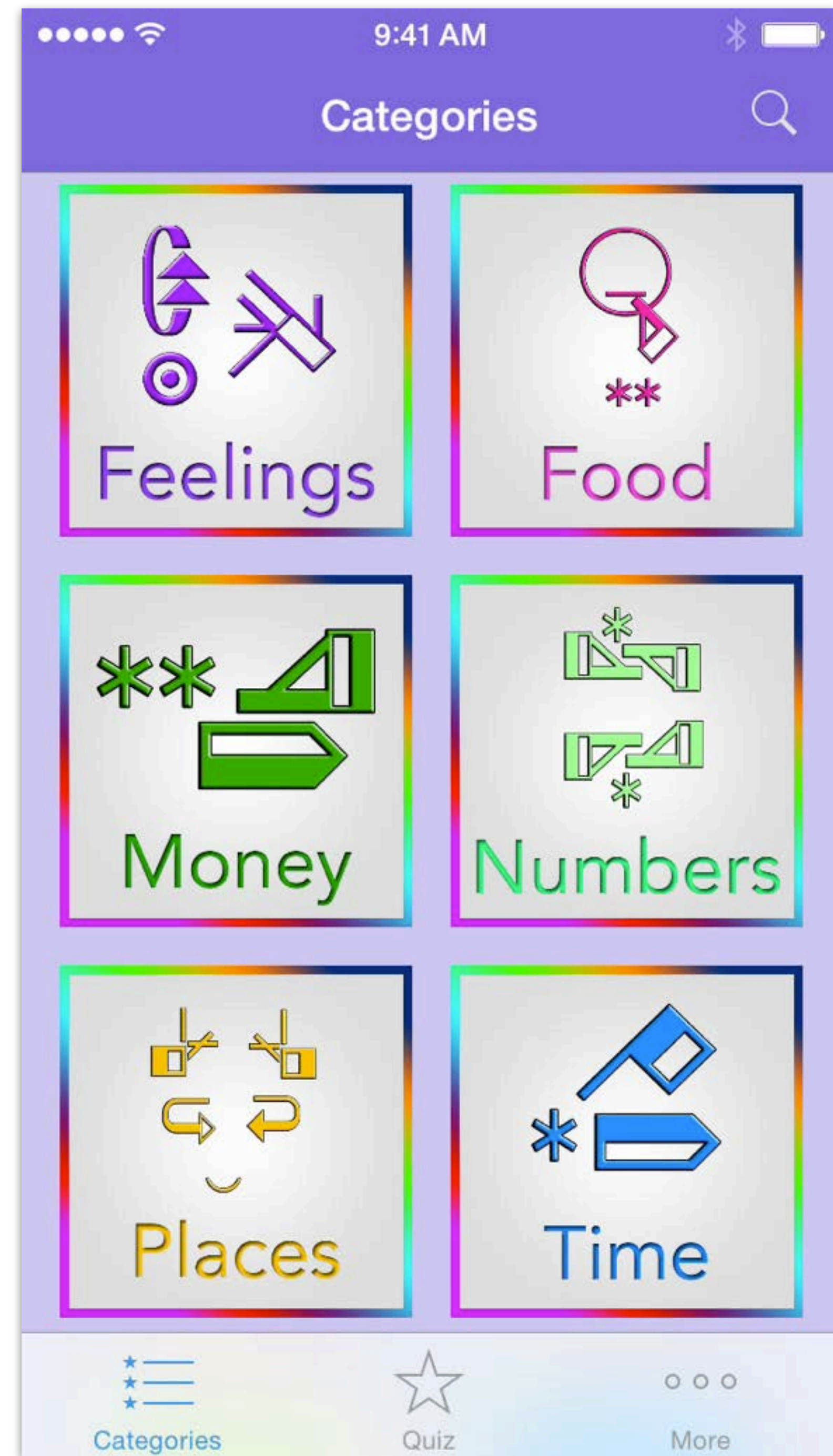- Cent

- Coins

- Credit Card

- Dollar

- Money

Numbers

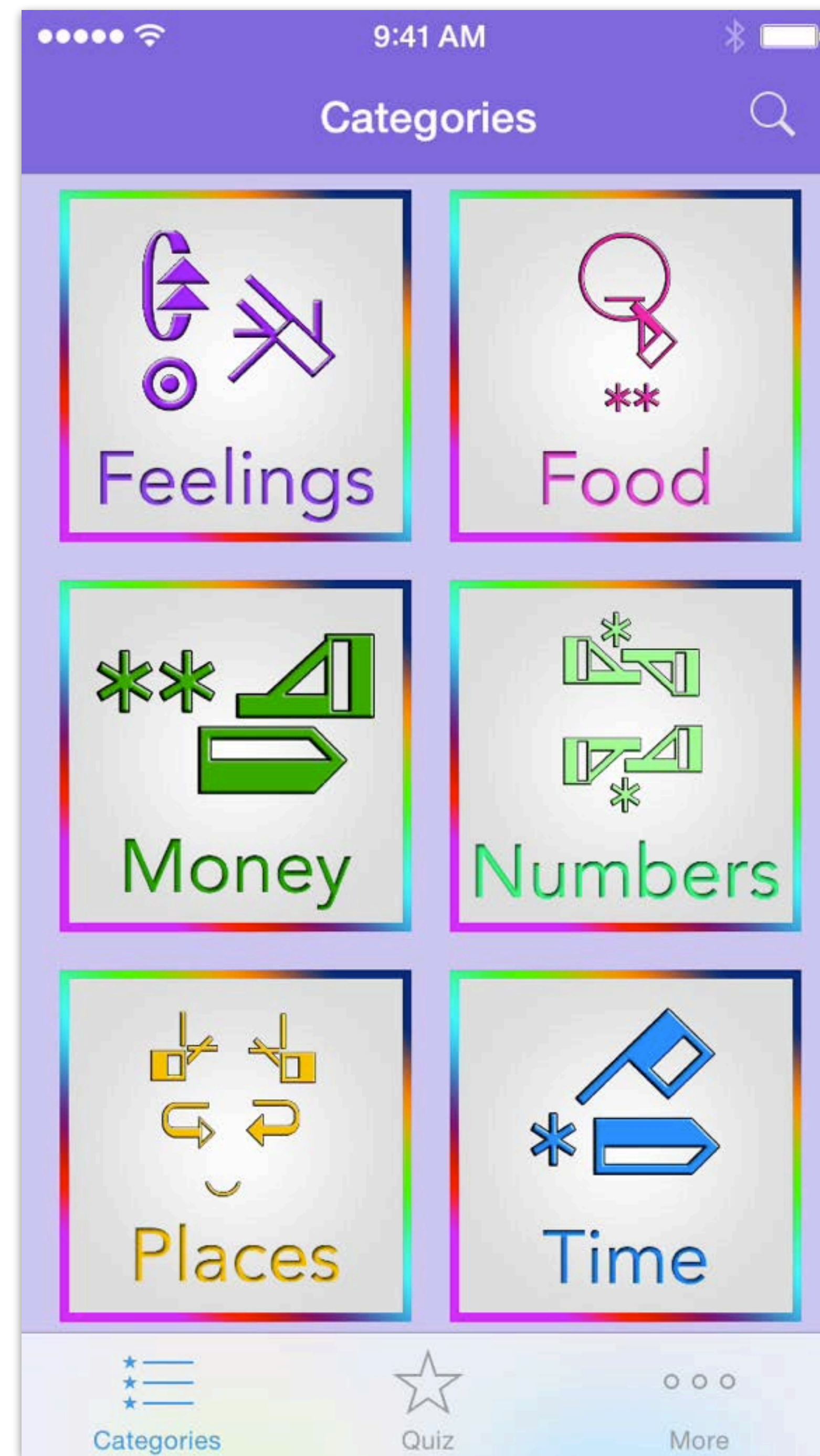- 0 - 20 by ones

- 20 - 100 by tens

Places

- Airplane
- Beach
- Bike
- Building
- School
- Car
- Church
- Home
- Store
- Train
- Work
- Zoo

Time

- Monday
- Tuesday
- Wednesday
- Thursday
- Friday
- Saturday
- Sunday
- Minute
- Hour
- Day
- Week
- Month
- Year
- Watch
- Clock
- Night

Weather

- Cloudy

- Cold

- Hot

- Rain

- Snow

- Sun

Quiz

- The app contains a quiz to test the users knowledge of the Sign Writing images that are contained in the app

- The quiz displays an image of the Sign Writing word.

- It provides the user with four English words to choose from

- If the correct word is chosen the word appears green

- If the incorrect word is chosen it displays in red
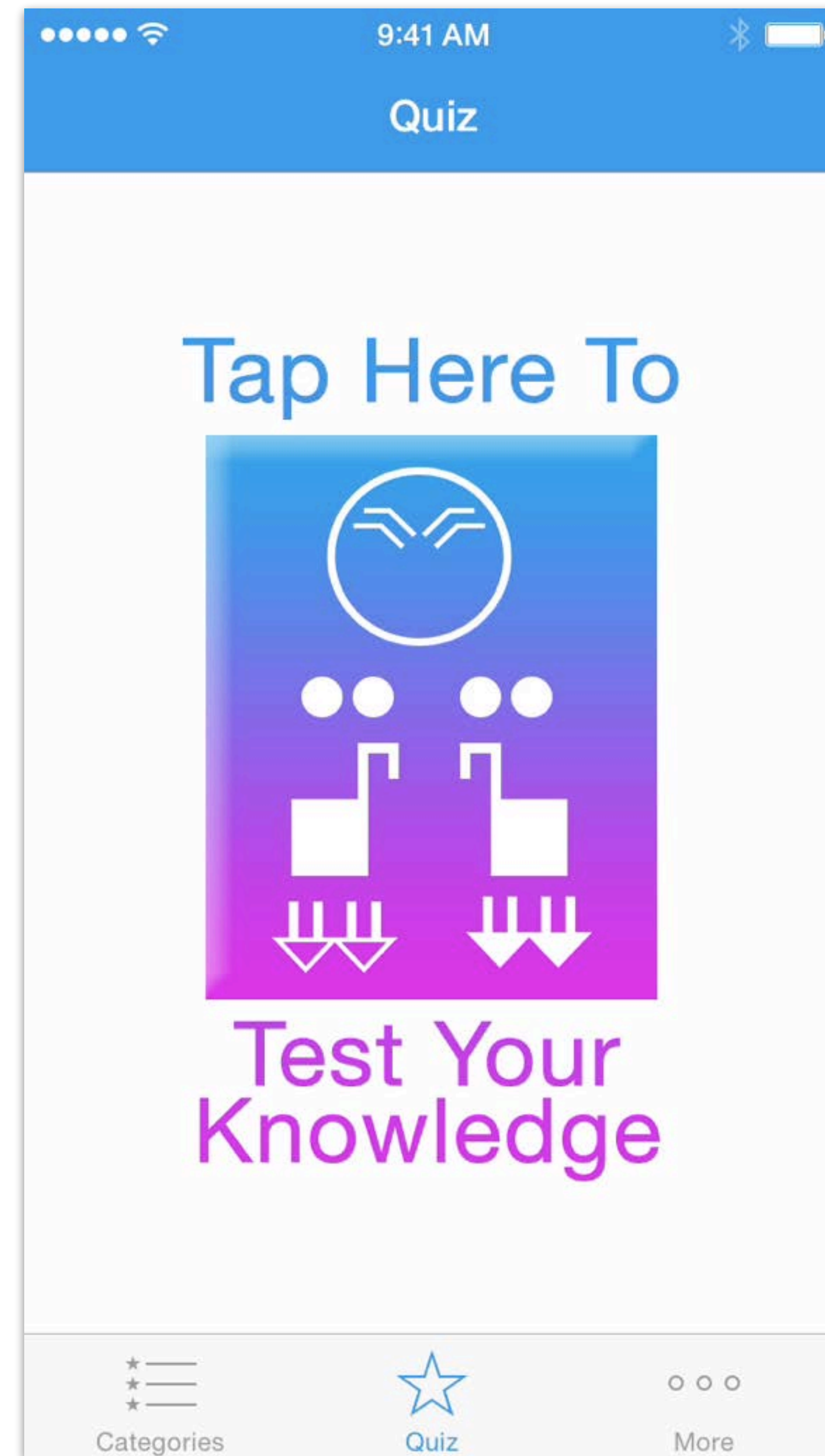
More Screen

- This screen can be accessed from the bottom bar menu and includes:

  - Sharing

  - Information about the app

  - Links to Sign Writing Communities

  - Information about the developers

  - A link to other apps I have produced
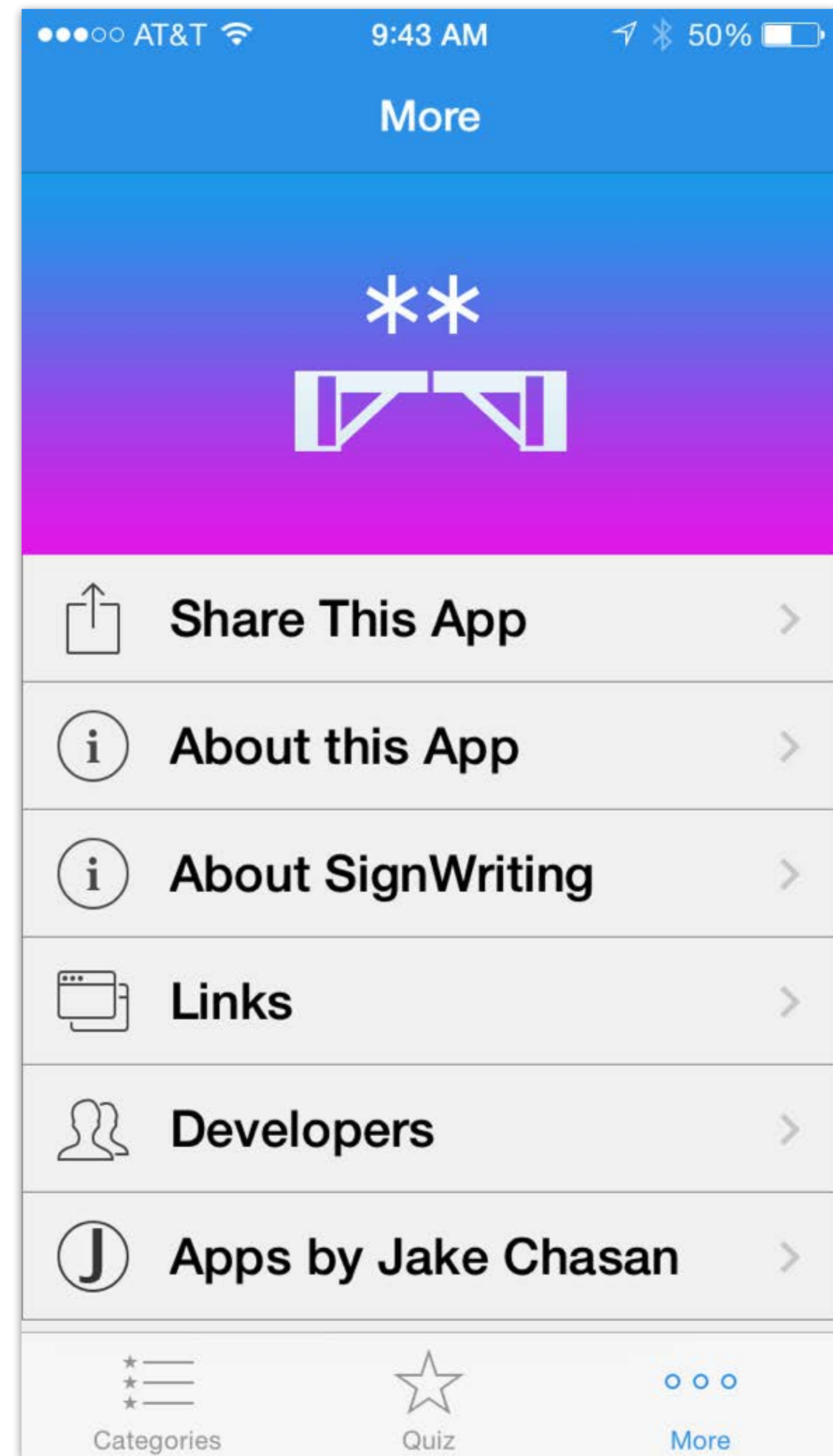
Share this App

- Allows this app to be shared with other users through:

  - Text

  - Email

- It provides the user with a preset message which includes a link to the app in the App Store
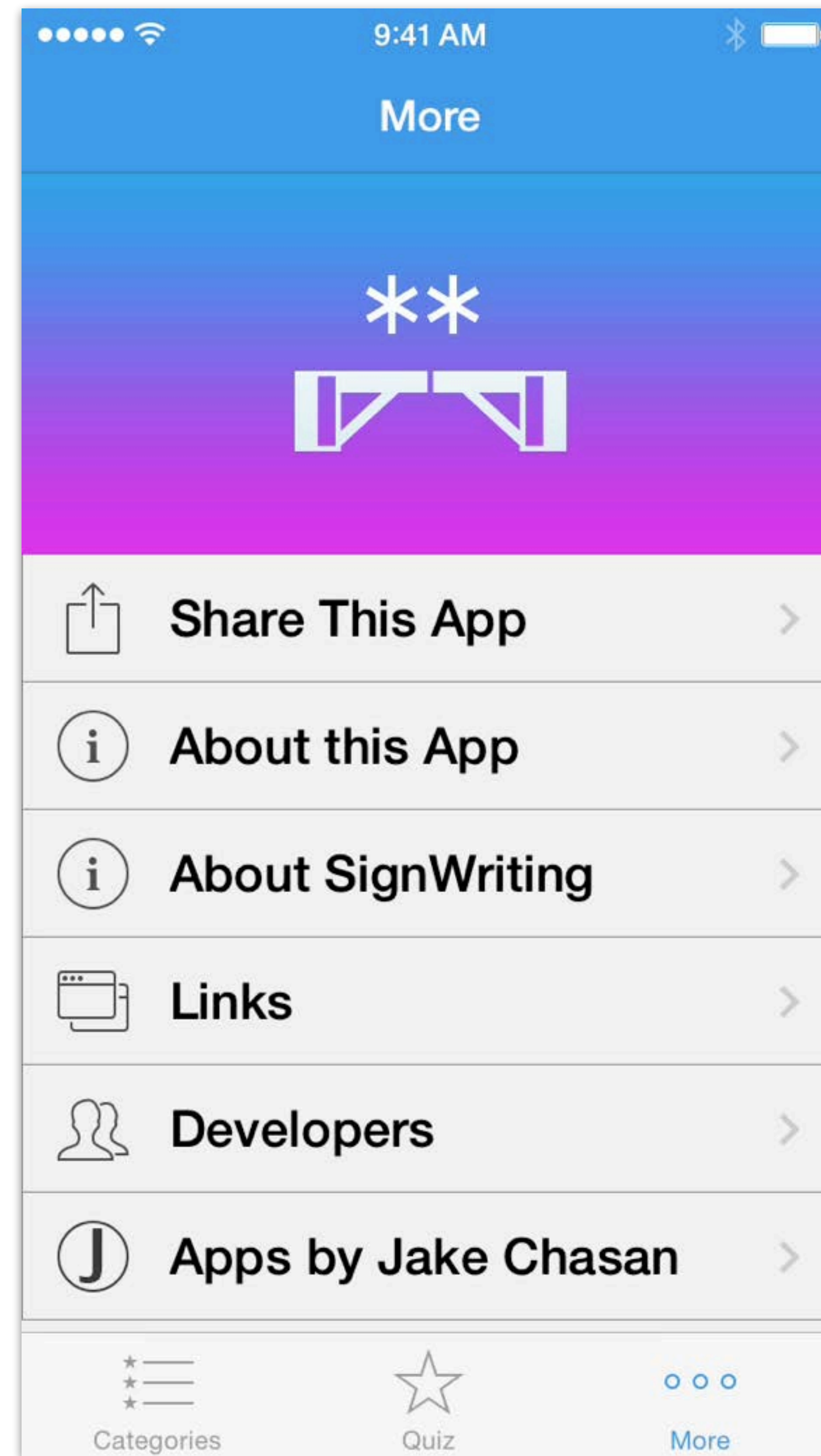
About this App

- Provides information for the target audience that would potentially use this app

- A link to SignPuddle

- Credits to the developers of Sign Writing
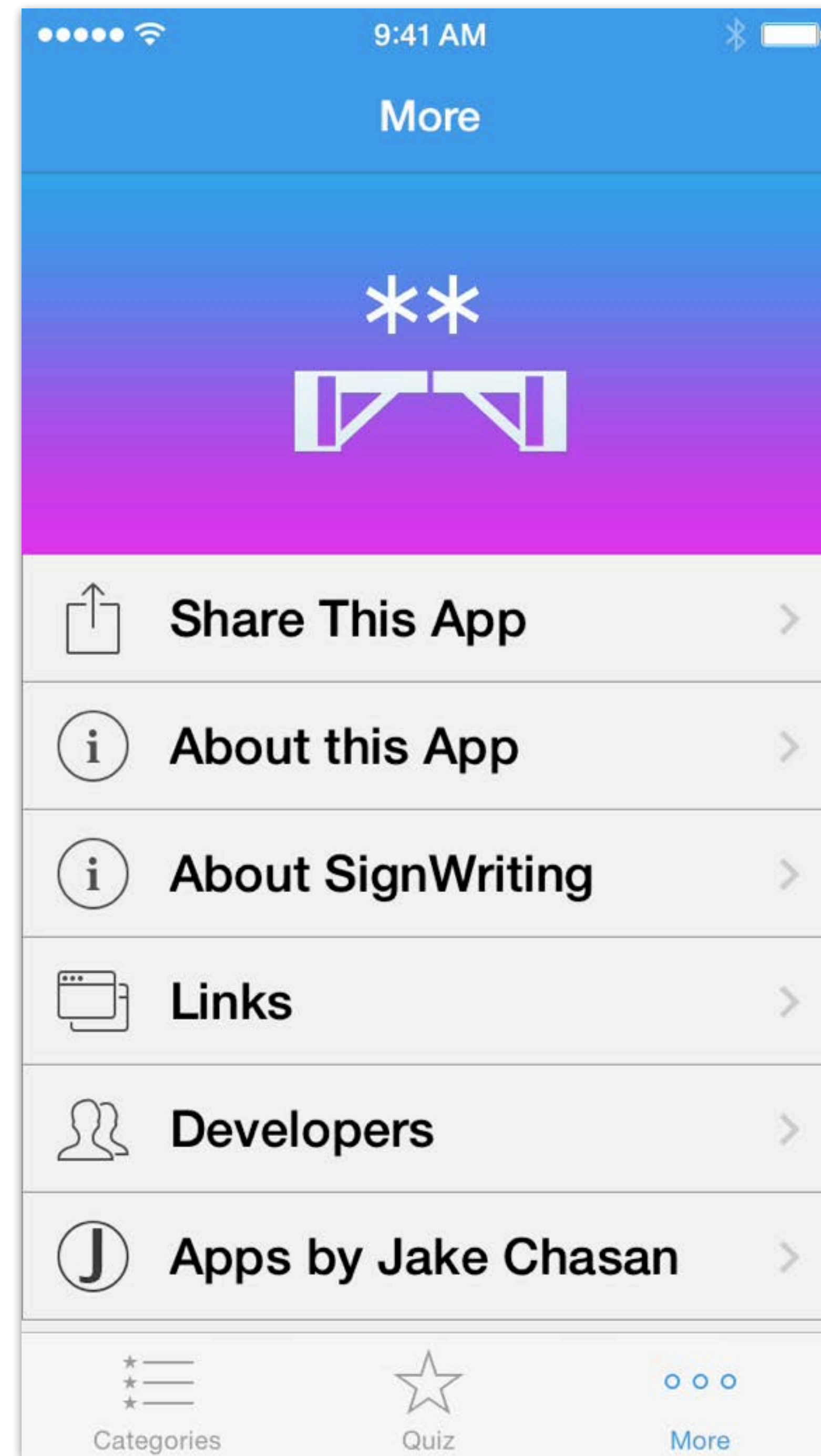
About SignWriting

- This page explains what Sign Writing is and how it can be compared to the alphabet in the English Language

- This app also explains how Sign Writing is used in the international community
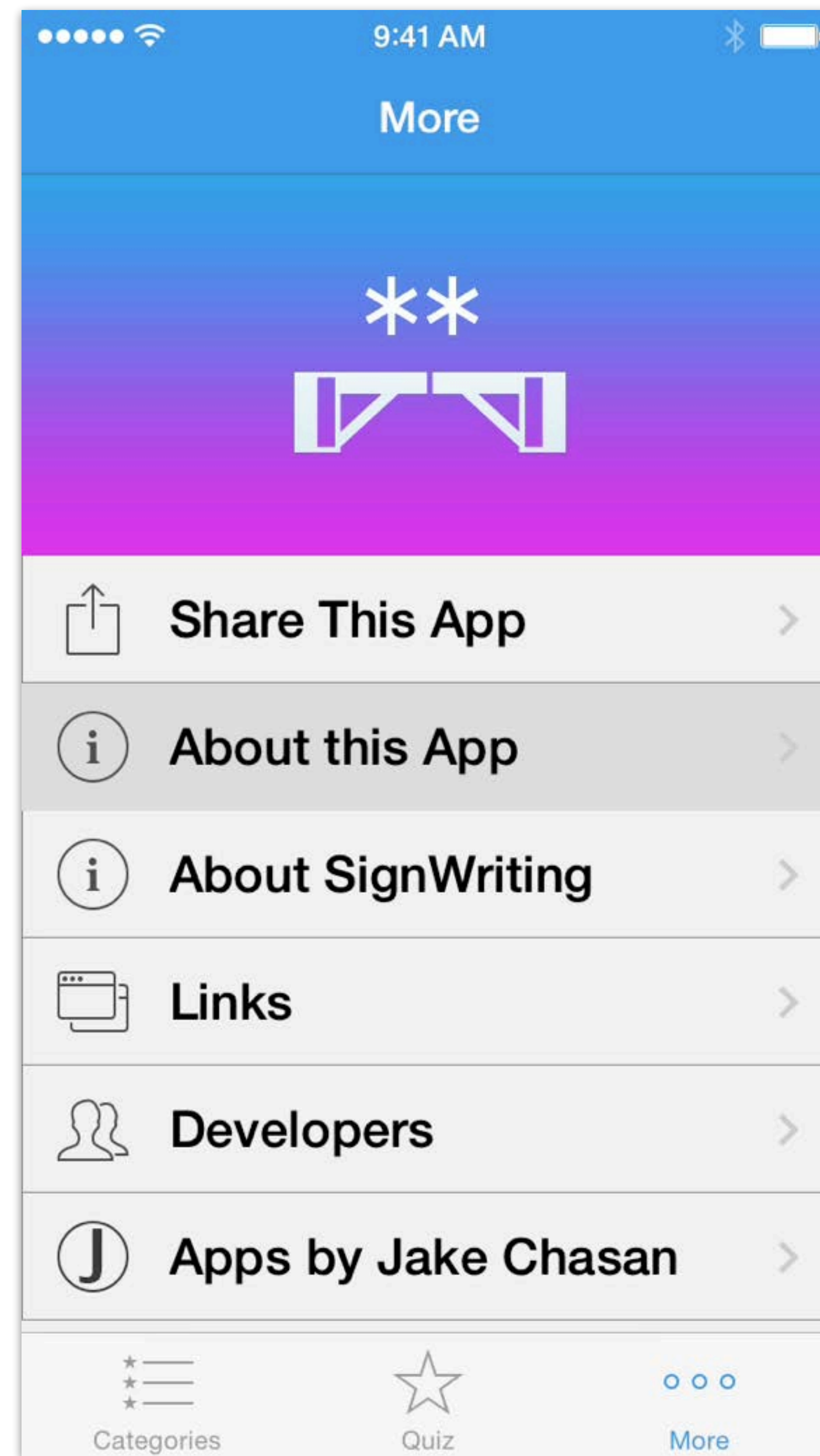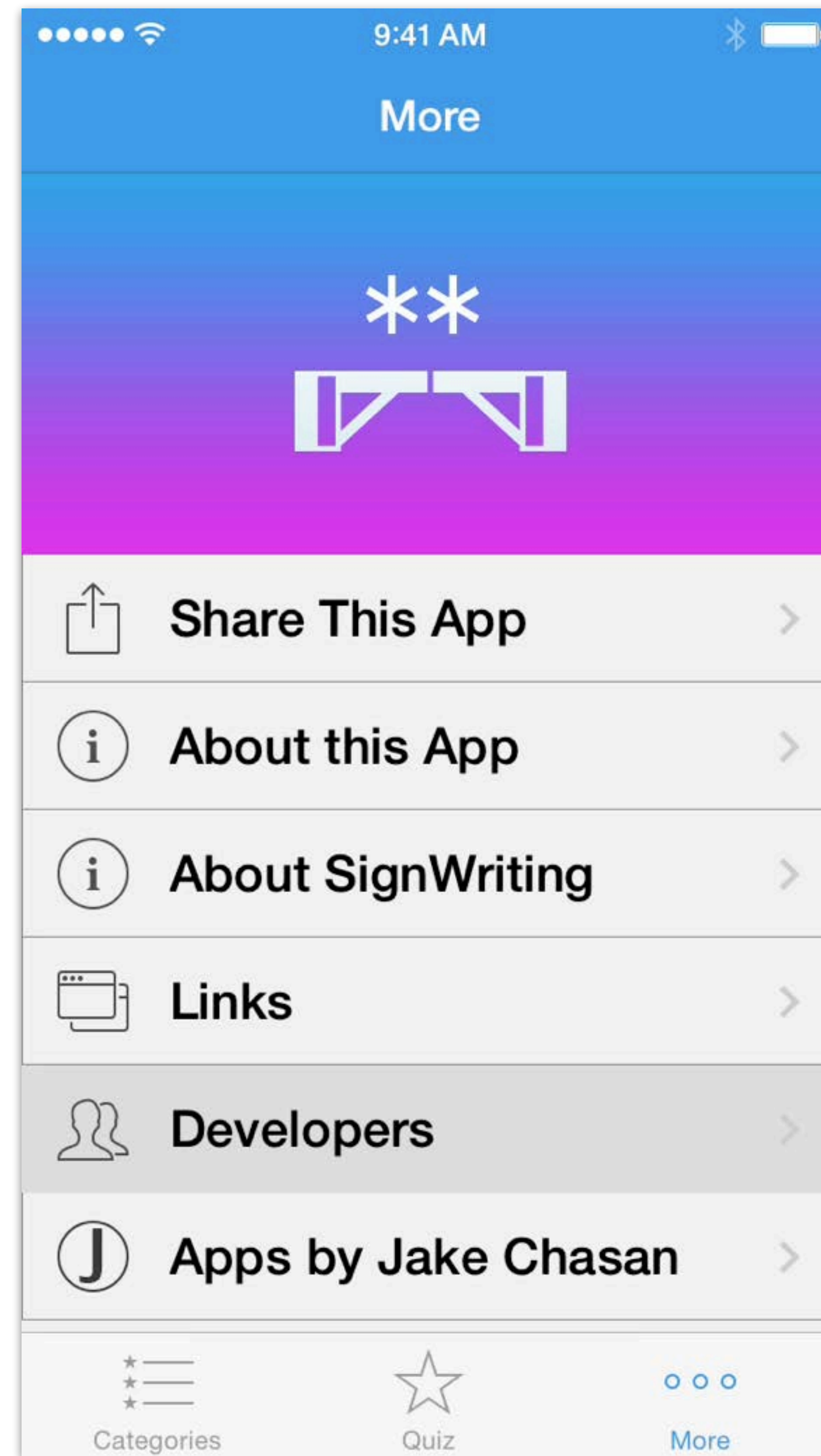
Links

- signwriting.org

- SignWriting List Forum

- signpuddle.com

- signbank.org

- SignBanks SignPuddle

- movementwriting.org
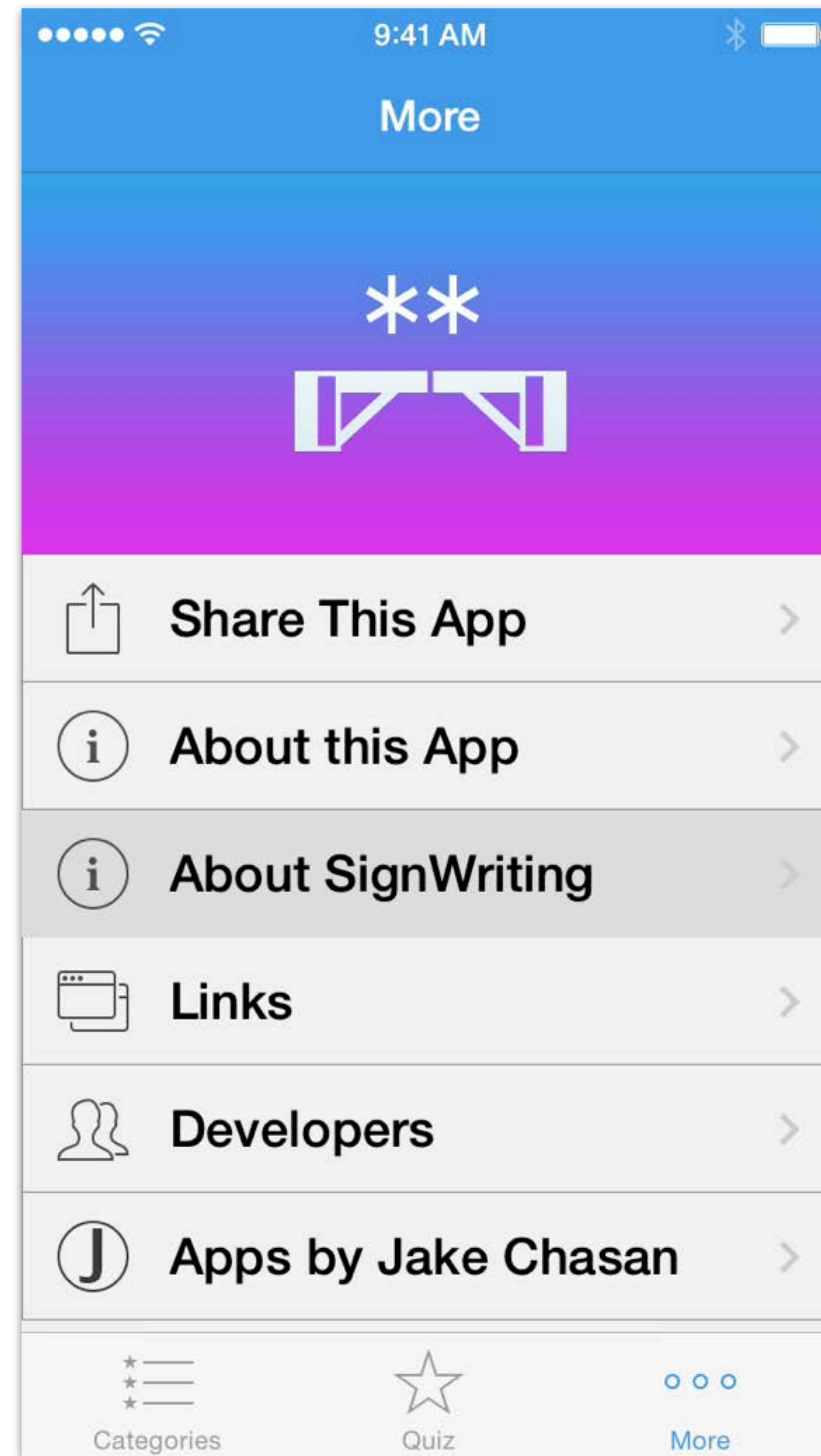
Developers

- Jake Chasan (App Developer)

- Elena Eroshkin (App Marketer)

- Adam Frost (Language Consultant)

- Valerie Sutton (SignWriting Creator)

- Stephen Slevinski (Software Engineer for SignWriting Project)

Apps by Jake Chasan

- Takes the user to a page which displays all the apps that have been created by JApp

- The user can click on a JApp icon, and the user will be redirected to the App Store
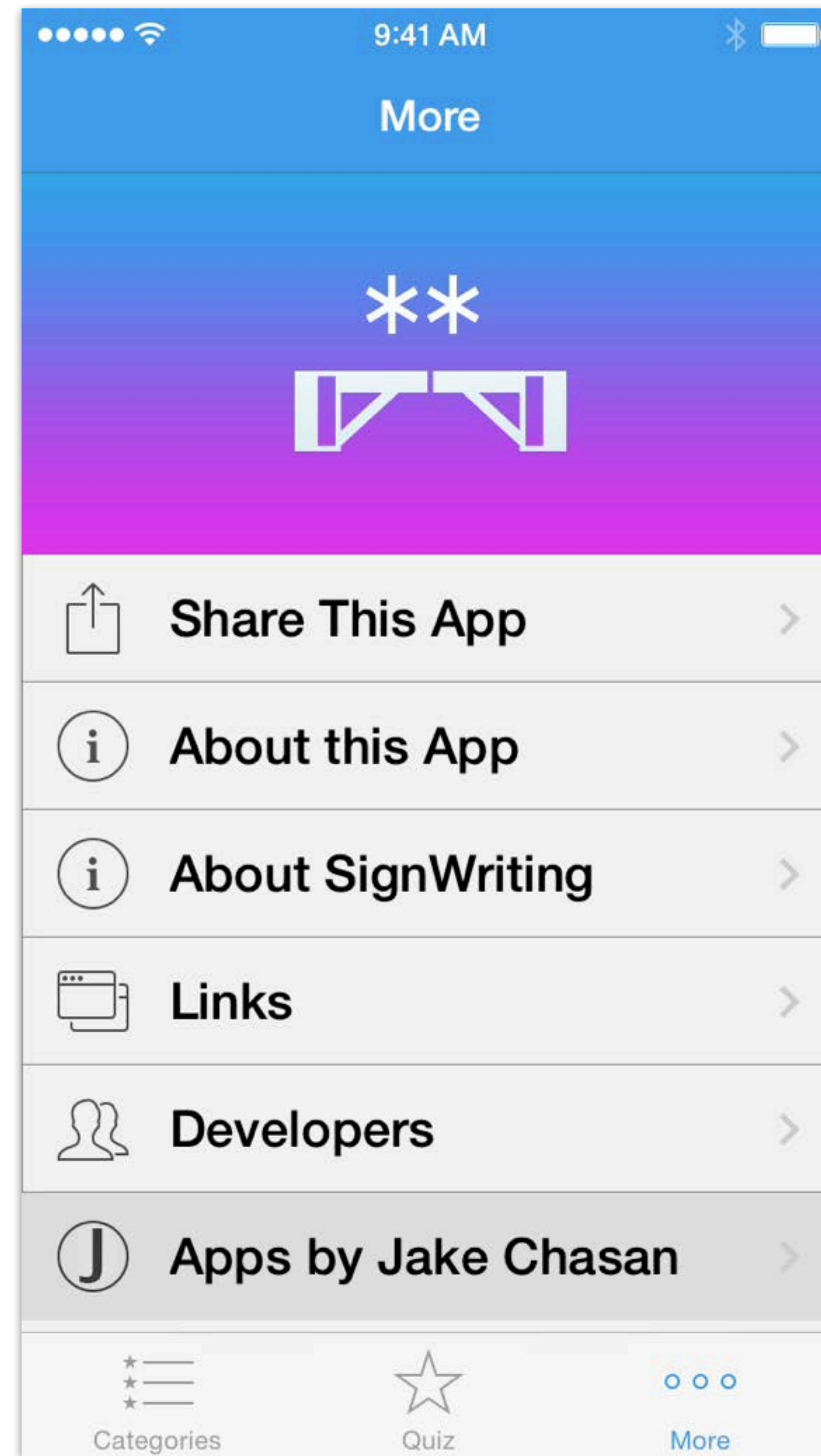
Future of this App

- To keep this app updated with the iOS changes that occur in order to stay current in the App Store

Conclusion

In conclusion, this project helps teachers, occupational therapists, parents and students become familiar with SignWriting through a colorful interactive flashcard program.

This app was compressed so that it can be downloaded to the users device without taking up too much storage space on the device. It does not require a server for use. The app weighs-in at 26.8MB, well below Apple's cellular download limit.

Thank you to all the people who have made SignWriting feasible and the development of this app a possibility.