

Accessibility Applications

DHIVYA.K
M.Tech CSE
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Is accessibility
option is available
in our Android
mobile?
Did any one seen?



Braille (Louis Braille)



Braille is a system used by people who are visually impaired, including people who are blind, deafblind or who have low vision

In which raised dots represent the letters of the alphabet, numbers, punctuation marks, special symbols and so on

Louis Braille, a Frenchman who lost his sight in his childhood and later developed a code for the French alphabet.

~~Braille Accessibile Application~~

Braille Academy: Play & Learn

It teaches and helps practice Braille
in an effective and fun way

These characters have rectangular blocks called cells which
have tiny bumps called raised dots

The number and arrangement of these dots distinguish one
character from another.



Braille Academy: Play & Learn App

Version: 2.2.1

Released on: 09-Apr-2021

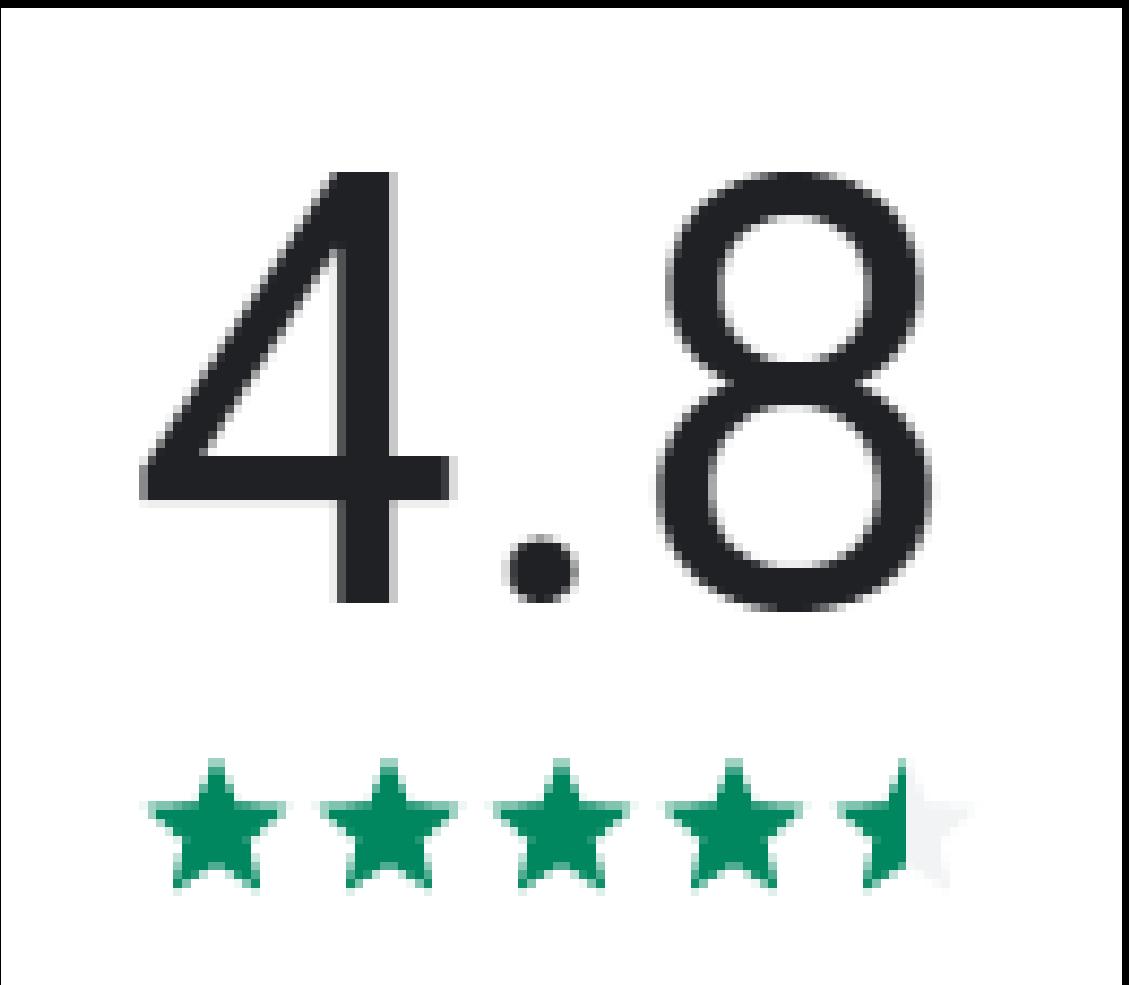
Offered by Dong Digital

Updated on 15-Nov-2021

Requires Android 6.0 and up

Downloads 10T downloads

In-app purchases \$0.99 – \$4.49 per item



Goal Braille Academy

Interested in learning the Braille system

Ensure efficient learning and training

Improving your memory in general

A B C D E F G H I J K L M

N O P Q R S T U V W X Y Z

●○ ○● ●● ○●● ●○○ ●●● ○●○ ○●● ○○●
1 2 3 4 5 6 7 8 9 0

Punctuation

*	:	;	..	;"	"	"	"	"	"	"	"	"
,	:	:	.	!	()	? ..	*	??	?	?	?	?

Numerals

*	:	..	;	;"	"	"	"	"	"	"	"
1	2	3	4	5	6	7	8	9	0		

Special signs

:	.	..	;	"	"	"
letter sign	capital sign	numeral sign	numerical index sign	steno index	italic sign	

	A	B	C	D	E	F	G	H	I	J
1st. Line	•	•	•	•	•	•	•	•	•	•
2nd. Line	K	L	M	N	O	P	Q	R	S	T
3rd. Line	U	V	X	Y	Z	and	for	of	the	with
4th. Line	ch	gh	sh	th	wh	ed	er	ou	ow	w

Features

13 chapters

Teaches strategically Unified English Braille (UEB)

59 levels and 29 challenges

various themes including the Contrast theme (more contrast and bolder text) for visually impaired.

Absolutely no distracting ads.

In the Explore page has Braille representations

Features(Cont.,)

certificate on the Certificate page.

on the Settings page, you can switch on and off button sound, key sound, button vibration, key vibration, vibration on error and keyboard layout.

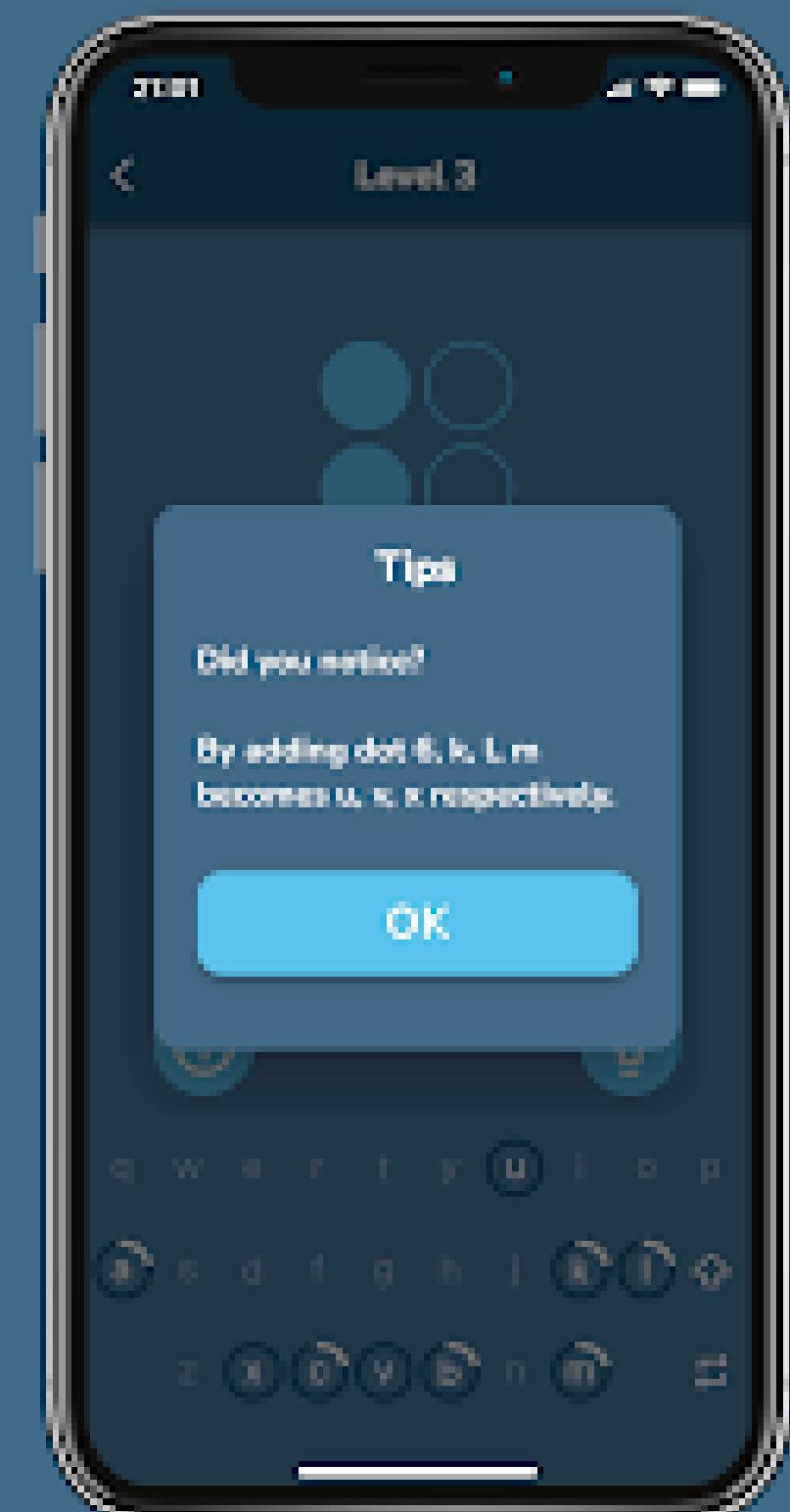
works completely offline.

This app is not only for specially designed for people with severe visual impairment

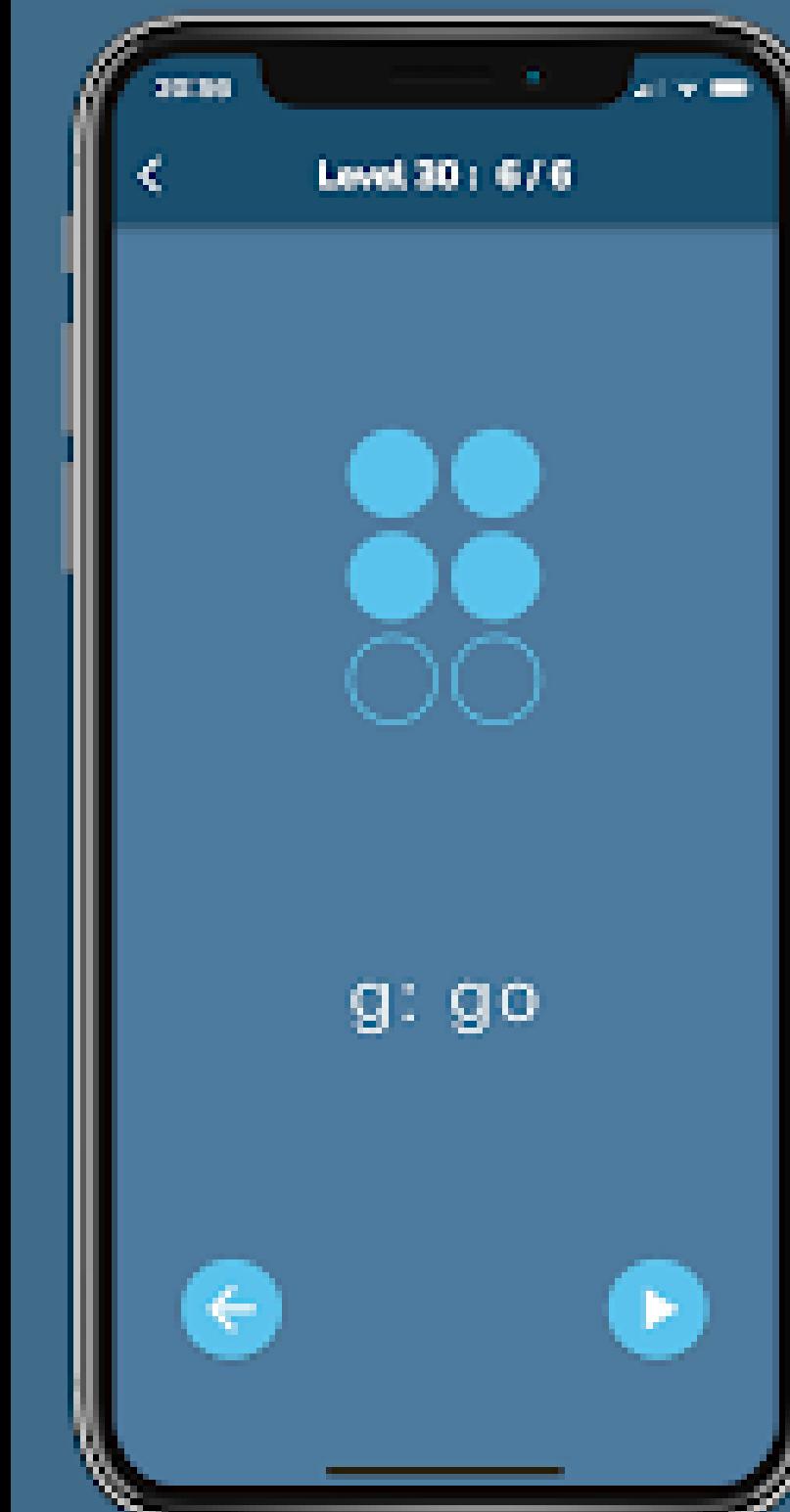
Learn & practice Braille
with a unique game



Insightful tips & unlimited hints
to guide you through the levels



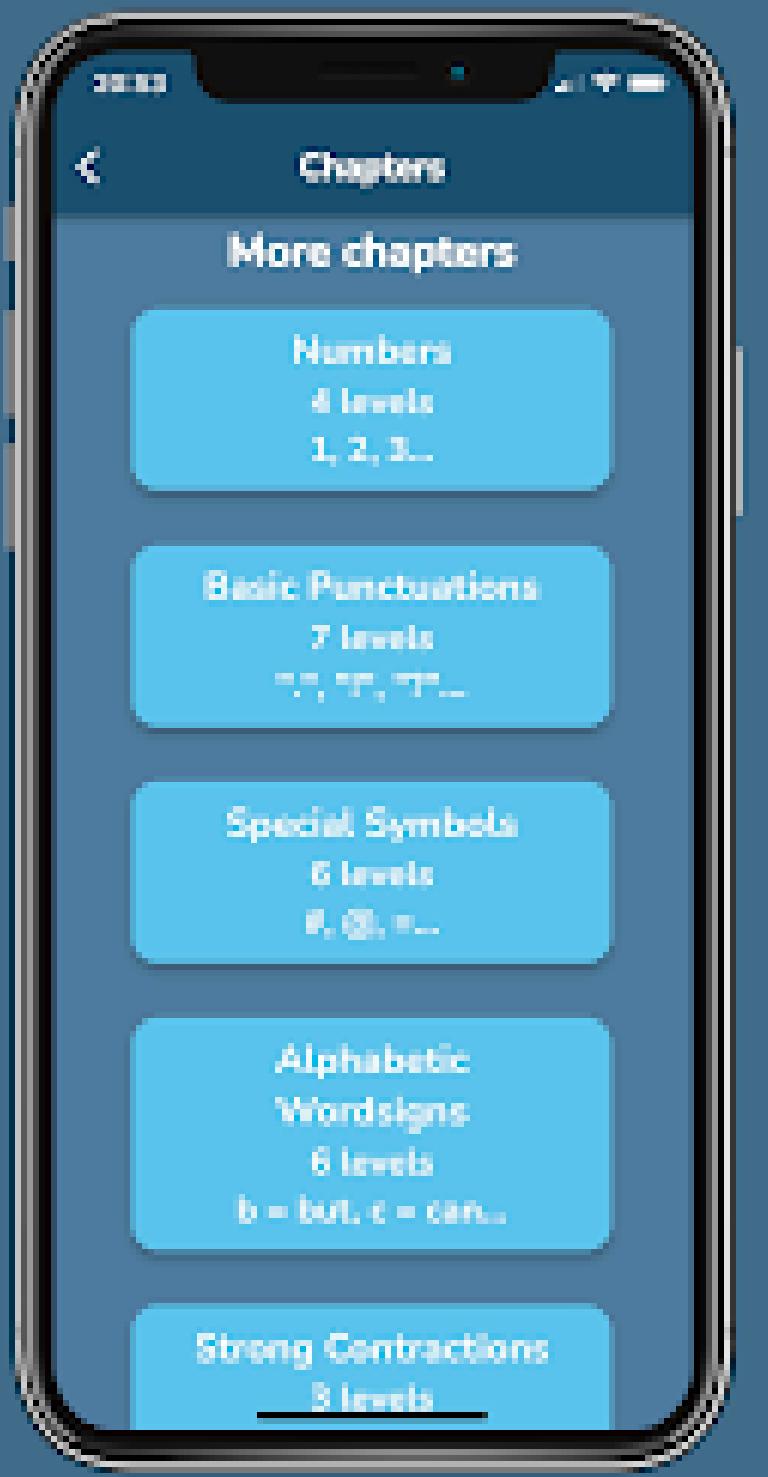
Also learn & train almost all
Braille abbreviations



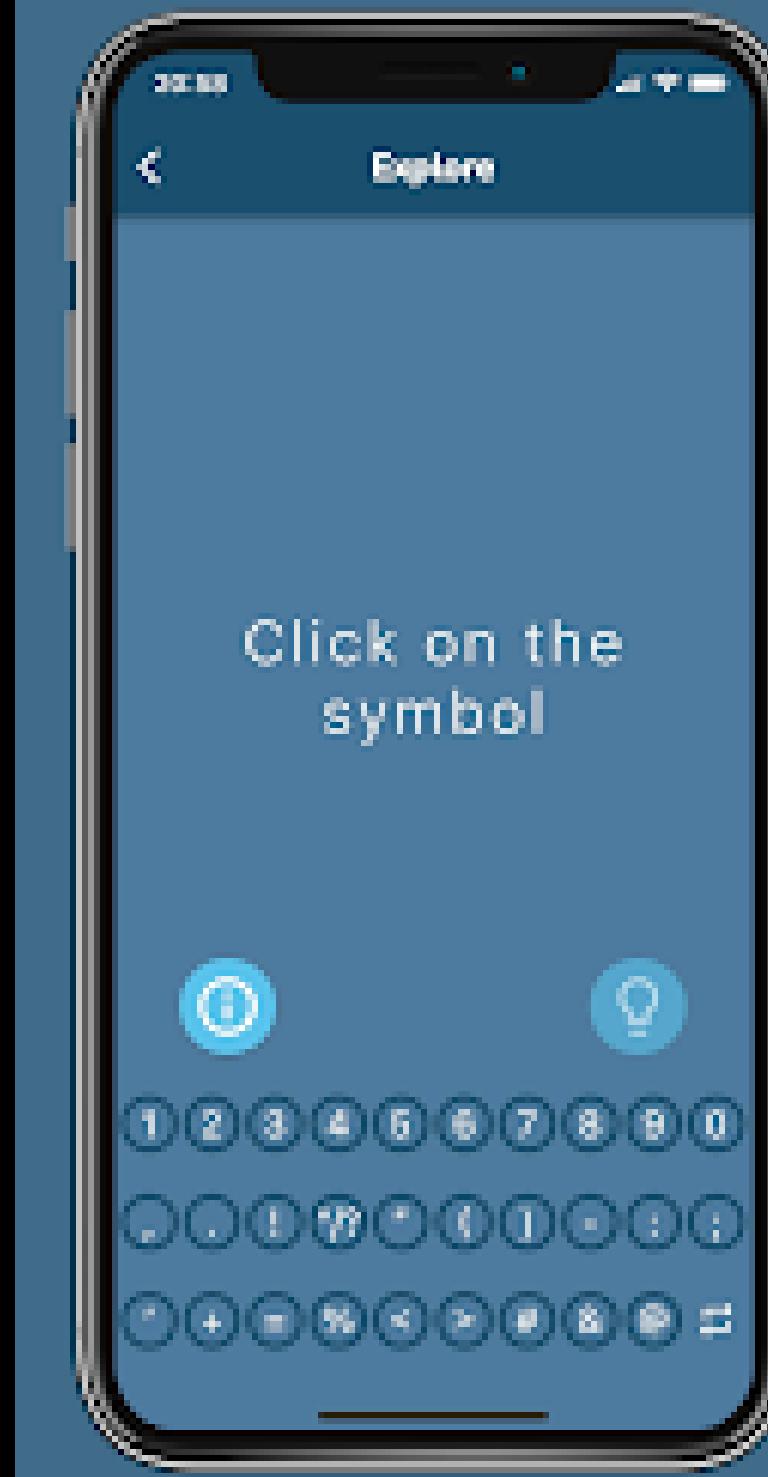
Test your knowledge
in challenge levels

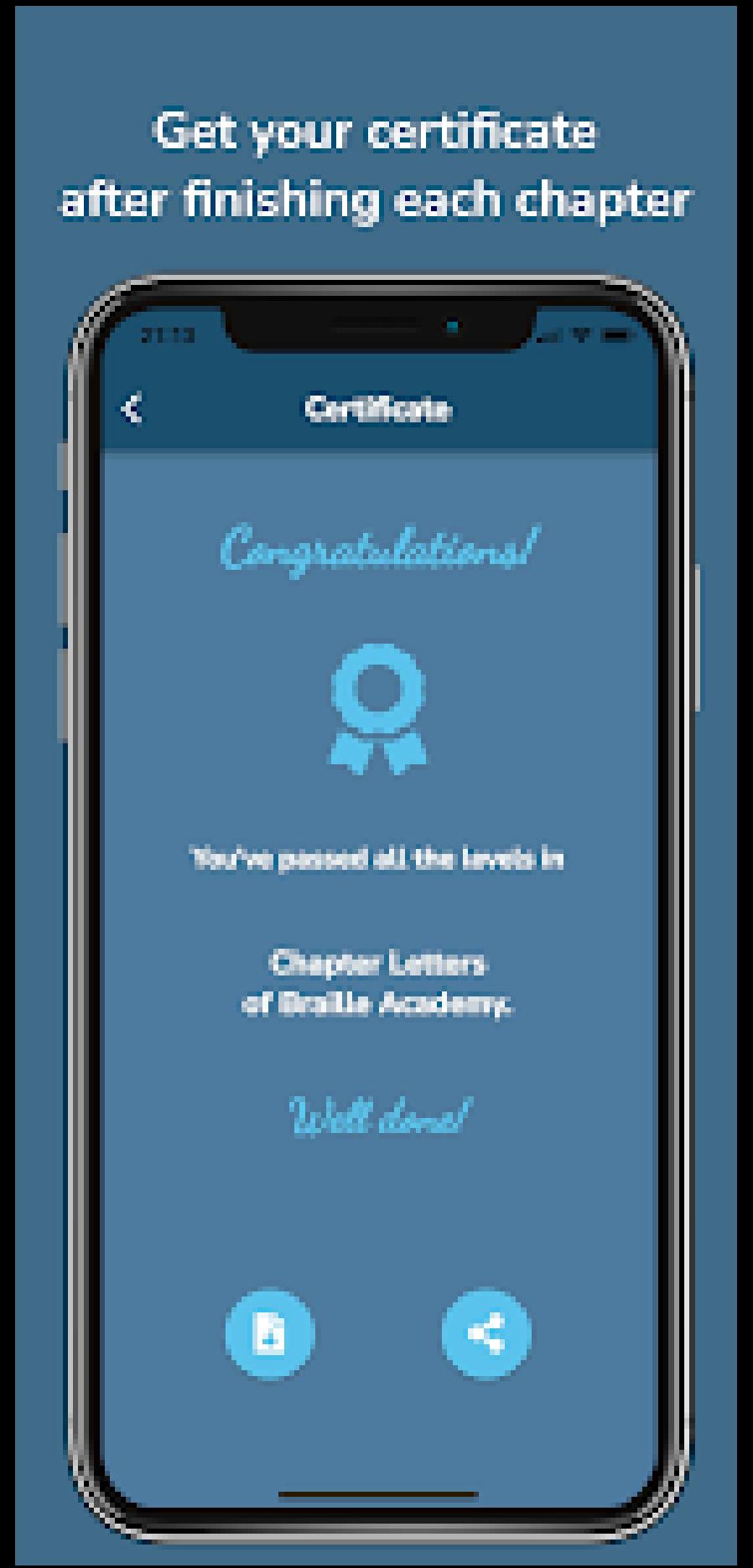
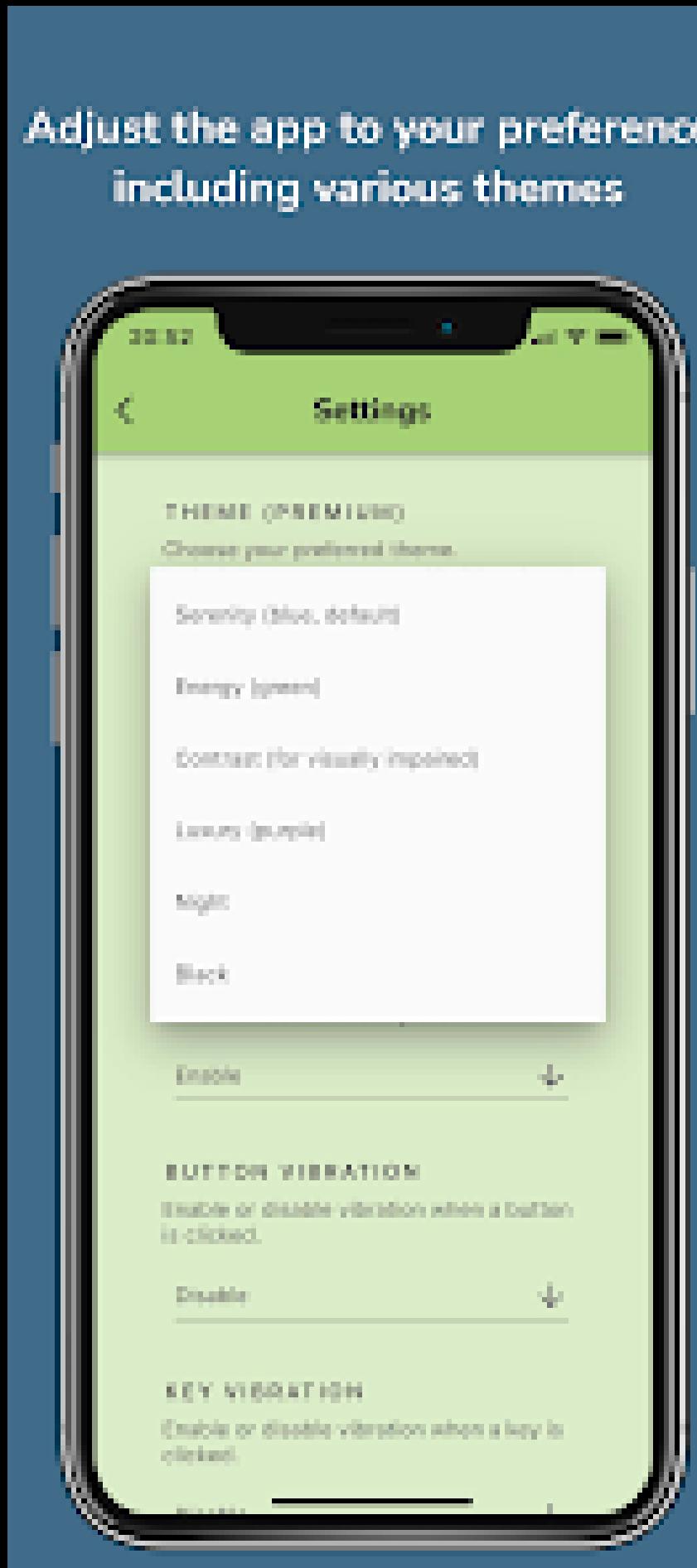


The app covers 90% of
all Unified English Braille



Explore all the symbols
on the Explore screen





Challenges and Recommendations

Hint button use only less than 3 mistakes to pass it

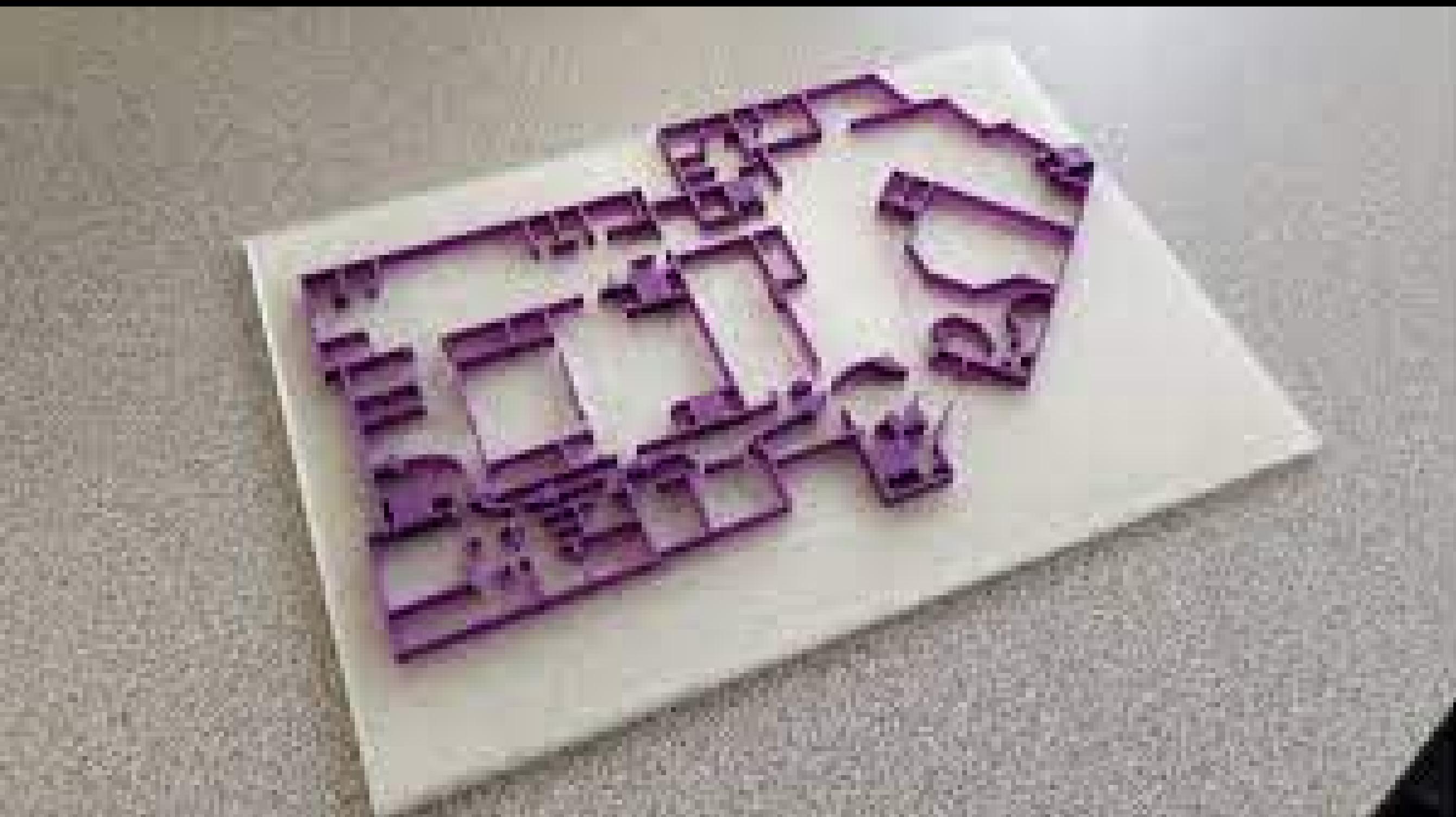
Voice over and audio key pad sound we can add in future

Only alphabets we can learn for free not all(numbers, special characters, symbols etc.,)

EXAMPLES OF BRAILLE AND ASSISTIVE TECHNOLOGY

Screen readers





Screen magnifiers



Smart glasses



Braille touchscreens



THANKYOU