Open Web Device

Keyboard Recommendations Release 1

Keyboard Recommendations

Basic Text Input And Functions

The user will configure different keyboard languages **independently** of the UI language. Thus, the language selector **may not be displayed** if only one language is available (which is the default)

Extra key depending on selected language: "**ç**" for pt-bz and " ' " for en.

Tap to access caps
Double tap to lock caps
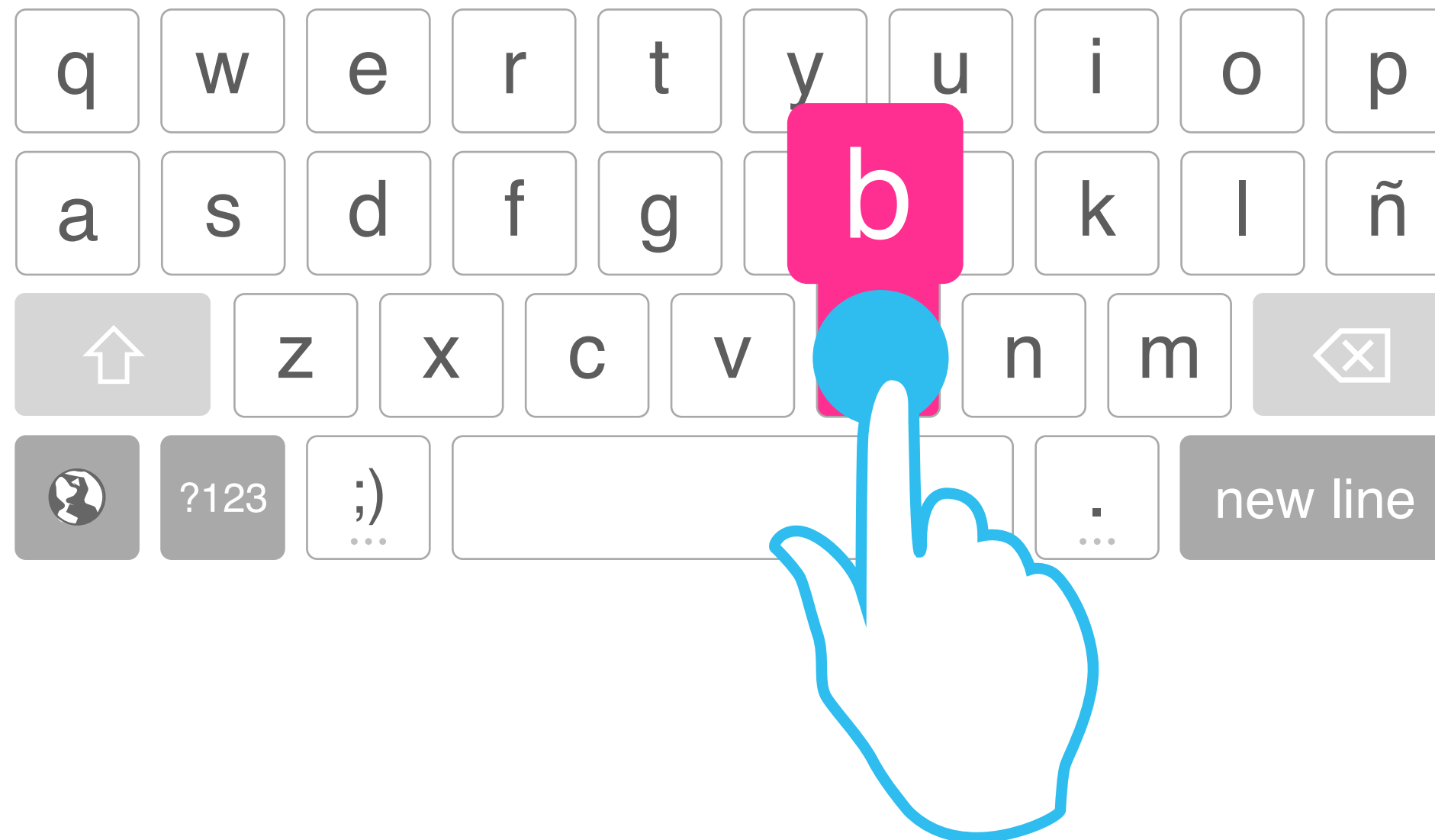**Tap and hold** for quick access to caps

Tap to delete one letter
Tap and hold to increase speed; after timeout delete word by word.

Key label should (for certified installed applications) should reflect for order. 'Next' or 'Submit' for form submit action.

Tap to cycle languages
Tap and hold to display menu with **available** keyboards

Double tap enters ". "

Tap and hold to access common smileys (or emoji) and punctuation symbols

Tap to display symbols keyboard
Tap and hold for quick access to symbols
This key will spread to the left if there's only one language set up

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Keyboard Recommendations
Basic Text Input And Functions

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Keyboard Recommendations

Basic Characters

Keys with a single character display a pop-up with the same character **displayed bigger**. These pop-ups are **never transparent**.

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Keyboard Recommendations
Basic Characters

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Keyboard Recommendations

Special Characters

The **most common special character is the first and also preselected**. This way, a tap and hold –without actually reaching for the character– would be enough to use it

No more extra characters than keyboard columns

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Keyboard Recommendations
Special Characters

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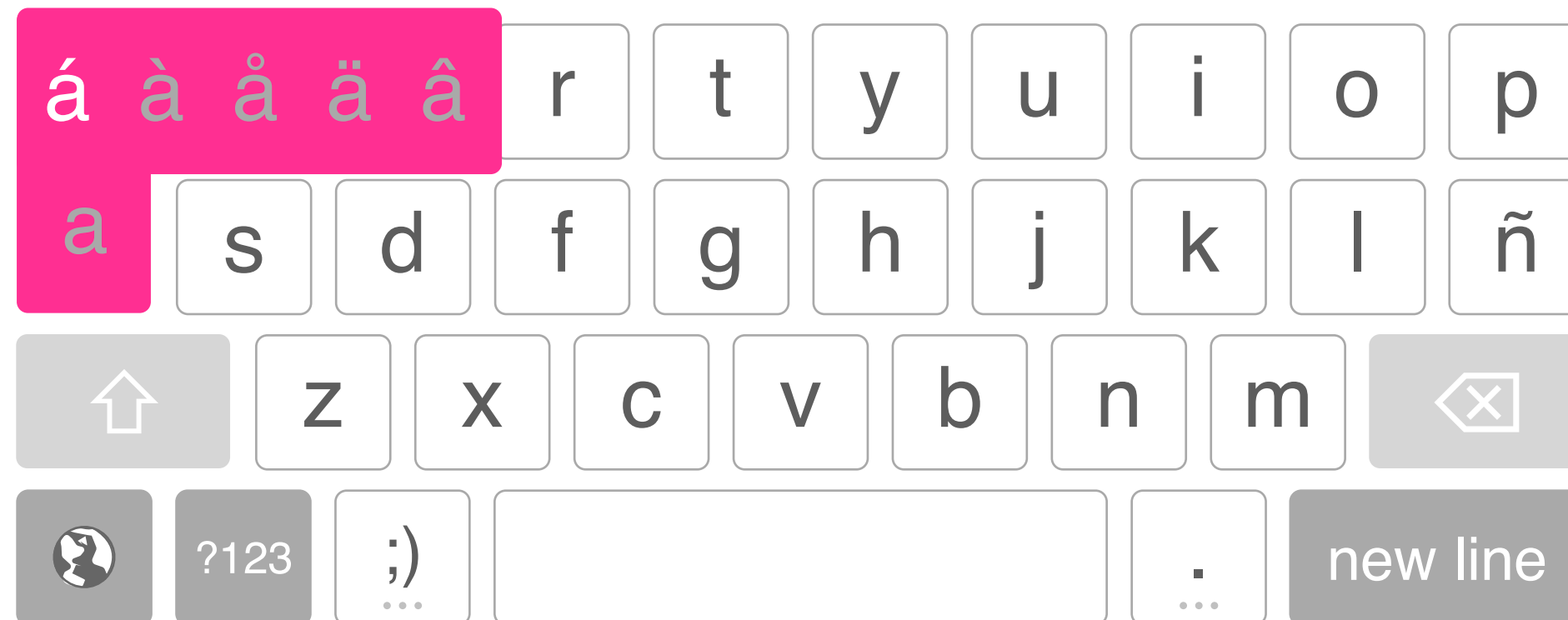
Keyboard Recommendations

Numbers And Basic Symbols

Numeric and symbols keyboards may be different depending on the keyboard language

Tap and hold displays extras like "2ª" or "9º"

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

| - | / | : | ; | (|) | € | & | @ | % |

Localized
Tap & Hold to access other currency symbols

| # + = | ¿ | ? | ¡ | ! | " | ' | * | ⌫ |

| 🌐 | abc | , | | . | new line |

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Keyboard Recommendations
Numbers And Basic Symbols

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Keyboard Recommendations

Extra Symbols

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Keyboard Recommendations

Extra Symbols

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Keyboard Recommendations

Positioning The Cursor

Once the user has started dragging the cursor, the finger may move away from it to see the text better.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam a arcu malesuada nisi cursus interdum sed id nisi. Phasellus adipiscing diam sit amet enim pharetra feugiat.

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Keyboard Recommendations

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Positioning The Cursor

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Keyboard Recommendations

Suggesting Words

The user may **optionally** want to permanently display an extra row on top of the keyboard offering **tappable** suggestions while writing. This very same bar could be **offered to third party apps** to fill with special or frequently used keys (i.e. "previous" and "next" buttons on a form intensive scenario)

Hello worl

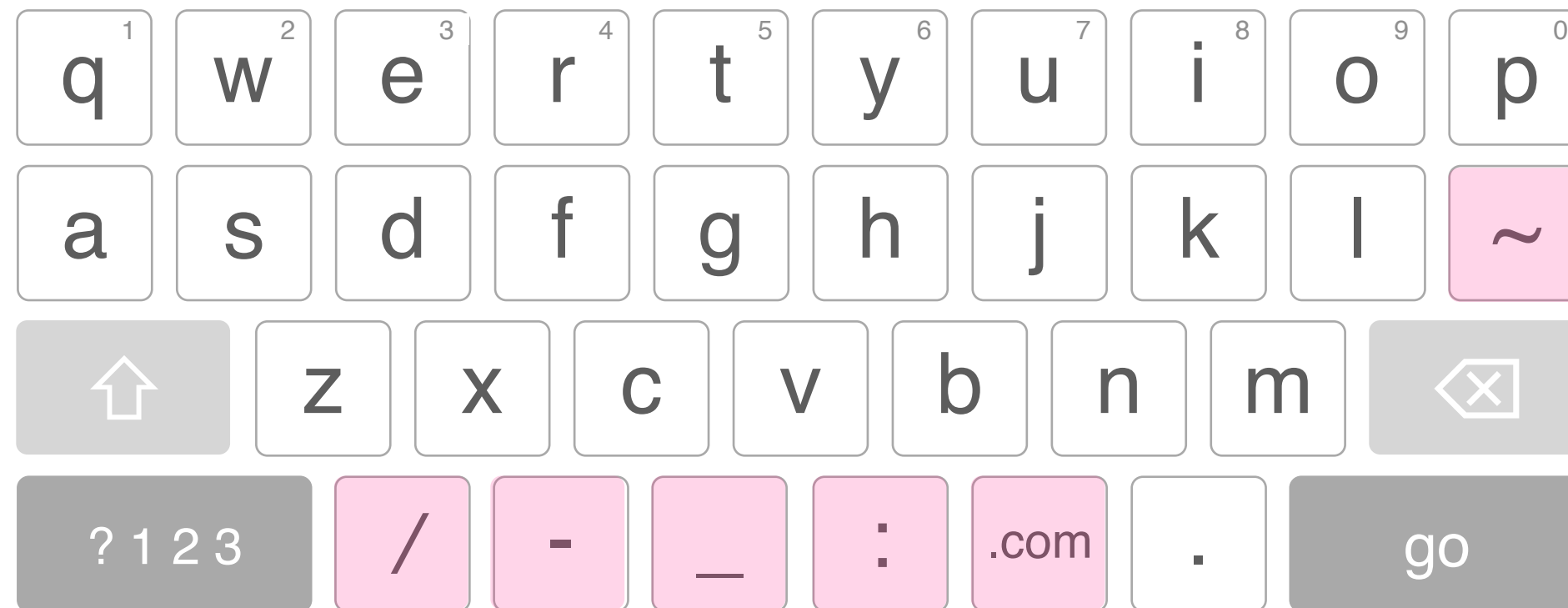spell check algorithm based word recommendation

world   word

q w e r t y u i o p

a s d f g h j k l ñ

⇧ z x c v b n m ⌫

? 1 2 3   ;)   .   new line
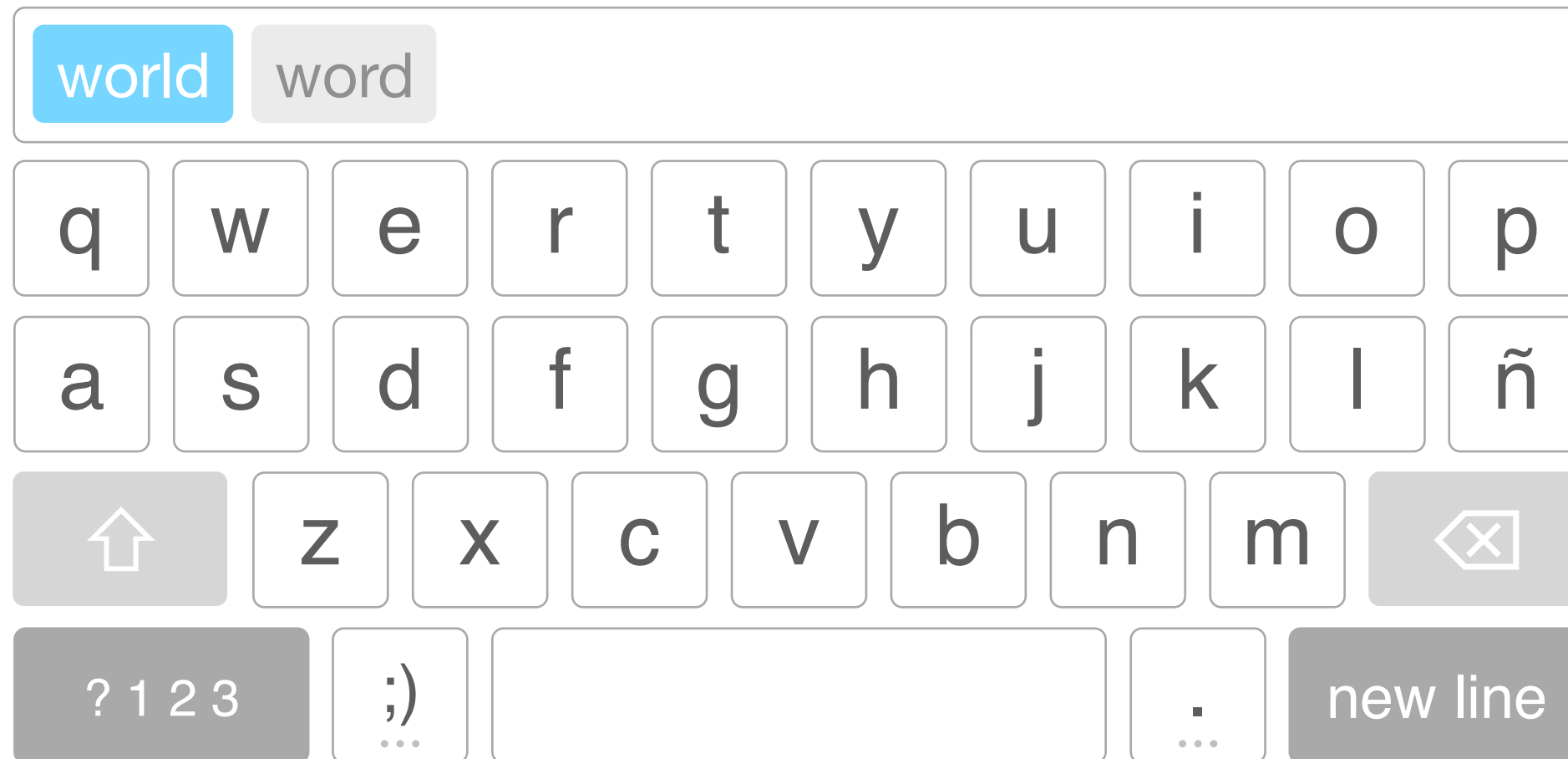
Tapping the space bar will enter the first suggested word

Keyboard Recommendations

URL Keyboard

There's no need for the spacebar or non-english characters like "ñ".

quick access to other
common domains

Keyboard Recommendations

eMail Keyboard

There's no need for the spacebar or non-english characters like "ñ".

| q¹ | w² | e³ | r⁴ | t⁵ | y⁶ | u⁷ | i⁸ | o⁹ | p⁰ |

(keyboard layout)

q w e r t y u i o p
a s d f g h j k l @
⇧ z x c v b n m ⌫
?123 + - _ , .com . intro

<input type='email' multiple> should include space and comma; otherwise **not**

quick access to other common domains

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Keyboard Recommendations

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eMail Keyboard

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Keyboard Recommendations

Keypad

Each key has a unique sound that appears to be an industry standard. Letters are only for reference.

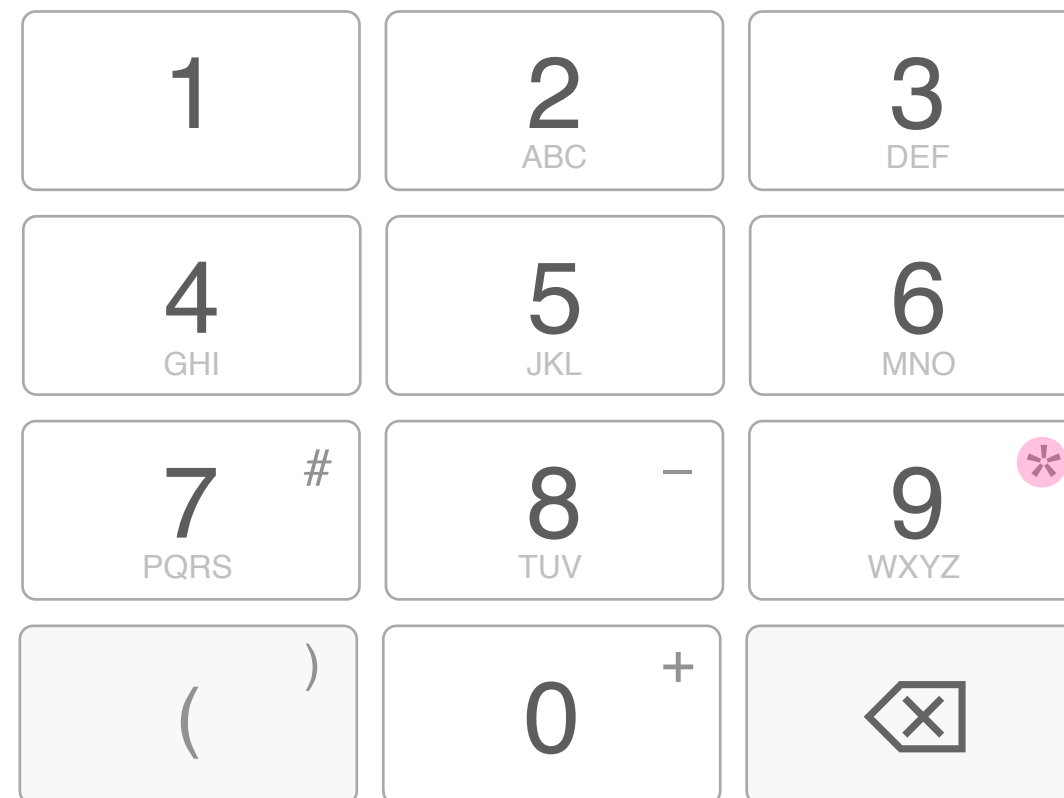This is just the keypad, not the dialer or contacts app.

612 345 789

1 ◌◌	2 ABC	3 DEF
4 GHI	5 JKL	6 MNO
7 PQRS	8 TUV	9 WXYZ
#	0 +	*
add contact	call	⌫
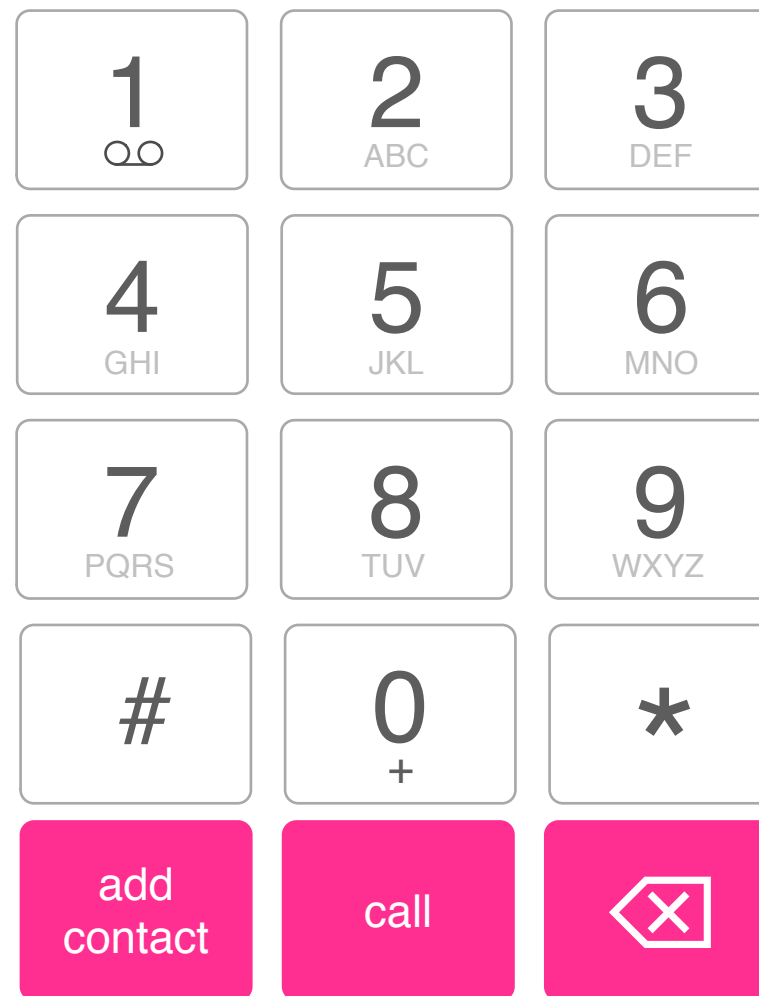
Keyboard Recommendations

Telephone Keyboard

This is not the dialer keypad, but rather the one used when filling in telephone numbers in websites or apps.

Tap and hold to enter upper right symbols

Tap and hold deletes the whole number

UX Request

Tap and hold to delete the full number from the text field after a delay would be a nice addition, but the keyboard doesn't have access to the text-field as of yet.

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Keyboard Recommendations
Telephone Keyboard

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Keyboard Recommendations

Number Keyboard

Tap and hold to enter upper right symbols

Tap and hold deletes the whole number

UX Request

Tap and hold to delete the full number from the text field after a delay would be a nice addition, but the keyboard doesn't have access to the text-field as of yet.

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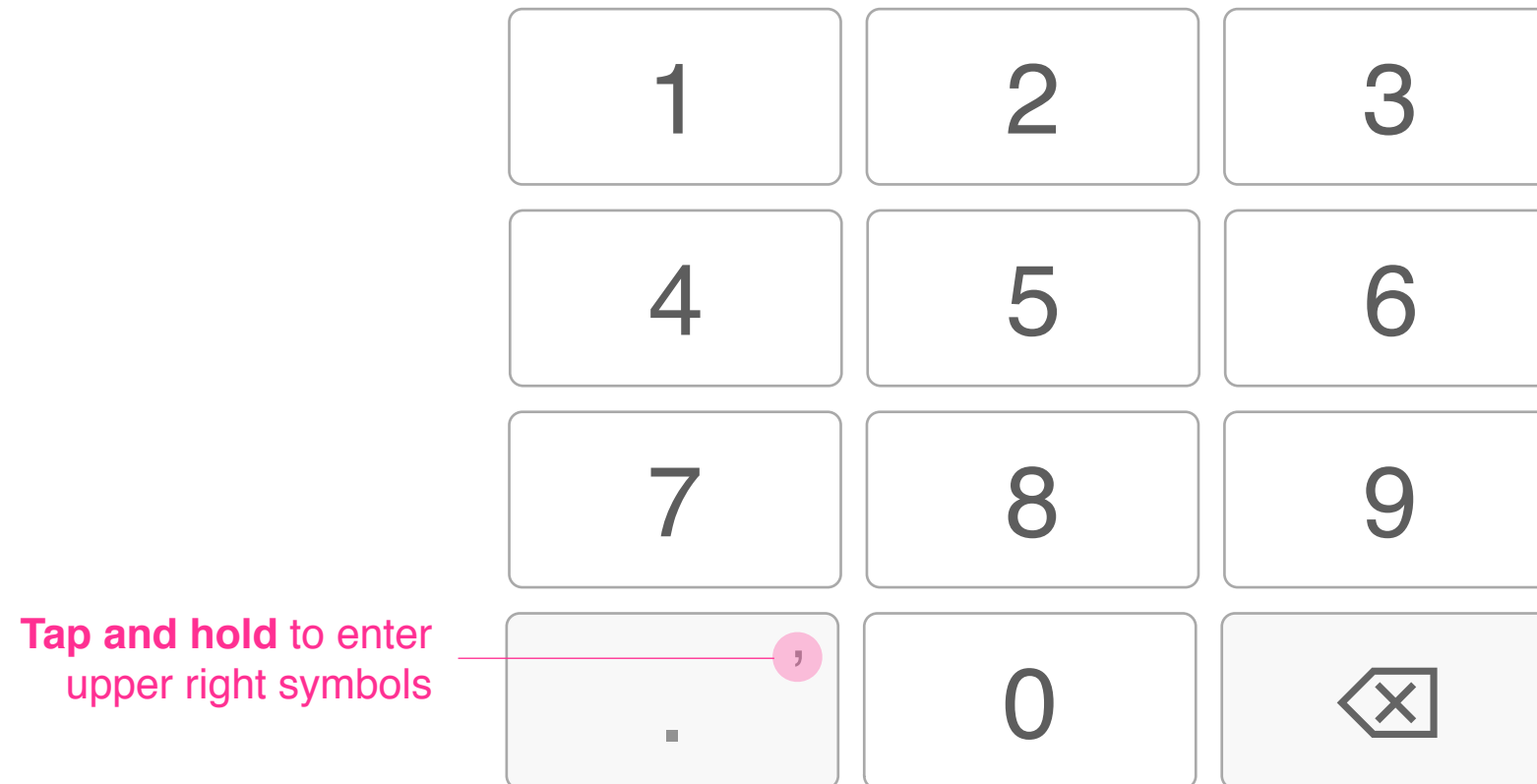
Keyboard Recommendations
Number Keyboard

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Open Web Device
Keyboard Recommendations Release 2

Keyboard Recommendations

Quick Numbers

Tap and hold displays numbers along
special characters

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Keyboard Recommendations

Quick Numbers

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Keyboard Recommendations

Quick Symbols

The user may **tap and drag** to access the symbols or caps keyboards **temporarily** in the same fashion as the fly-out for special characters

these keys from the standard keyboard remain unchanged during the tap and drag

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Keyboard Recommendations
Quick Symbols

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Keyboard Recommendations

Selecting Text

Double tapping on a word selects it. The user may also **double tap and drag** over some text to quickly select it. Once the user is **dragging** the left or right grabber, **the finger may move away from it** so the text can be fully viewed.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam at arcu malesuada nisi cursus interdum sed id nisi. Phasellus adipiscing diam sit amet enim pharetra feugiat.

The **visual appearance** of the selection may include **rounded corners**

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Selecting Text

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Keyboard Recommendations

Copy And Paste, Approach I

A utility "bubble" will be displayed **on top or below** the selected content offering to **copy, cut or paste** the selected content.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam at arcu malesuada nisi cursus interdum sed id nisi. Phasellus adipiscing diam sit amet enim pharetra feug

copy   cut   paste

The bubble will always be centered

Keyboard Recommendations

Copy And Paste, Approach II

As soon as a selection is made, the bar on top the keyboard offers formatting and editing tools.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam at arcu malesuada nisi cursus interdum sed id nisi. Phasellus adipiscing diam sit amet enim pharetra feugiat.

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Keyboard Recommendations
Copy And Paste, Approach II

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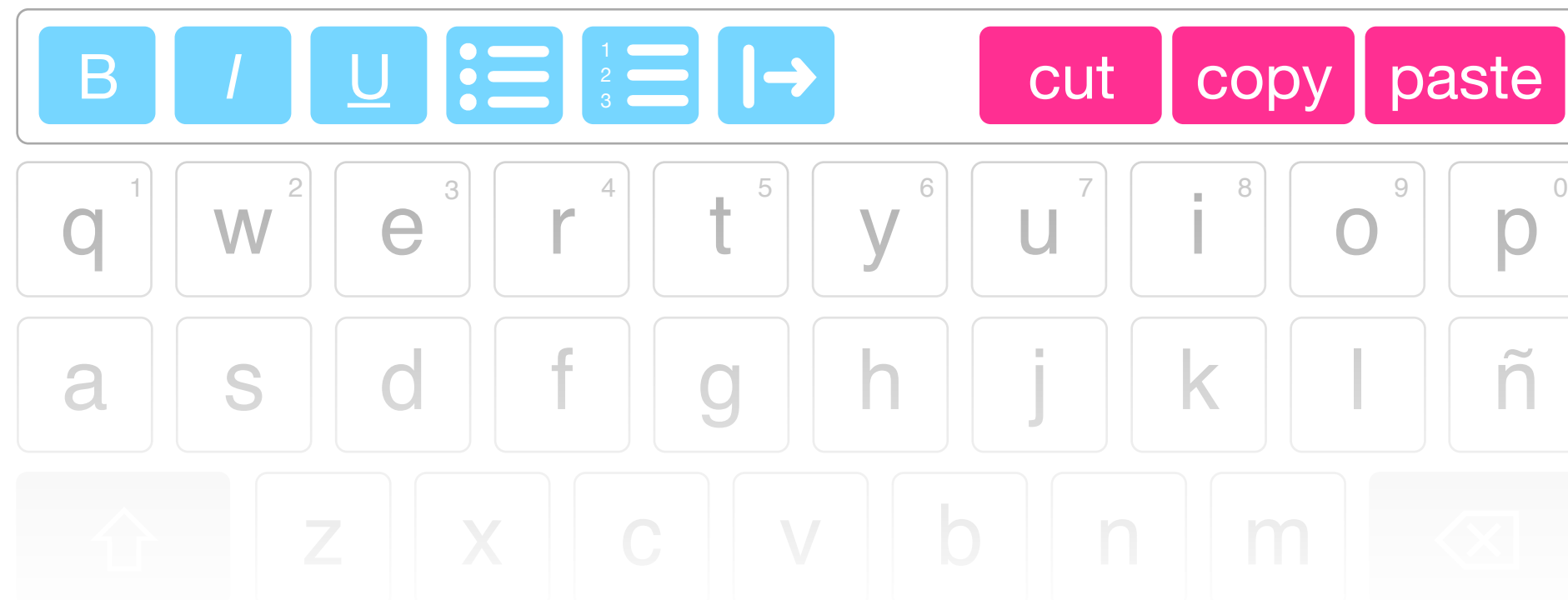
Keyboard Recommendations

Suggesting Words V2

The user may **optionally** want to permanently display an extra row on top of the keyboard offering **tappable** suggestions while writing. This very same bar could be **offered to third party apps** to fill with special or frequently used keys (i.e. "previous" and "next" buttons on a form intensive scenario)

Hello worl

Tap and hold to delete from dictionary

| world | word | | add worl |

q¹ w² e³ r⁴ t⁵ y⁶ u⁷ i⁸ o⁹ p⁰

a s d f g h j k l ñ

⇧ z x c v b n m ⌫

?123 ;) [space] . new line

Tapping the space bar will enter the first suggested word

Keyboard Recommendations

Suggesting Punctuation

If the world is recognized as finished, the suggestions will include punctuation, but hitting space will **not** enter them.

Hello world
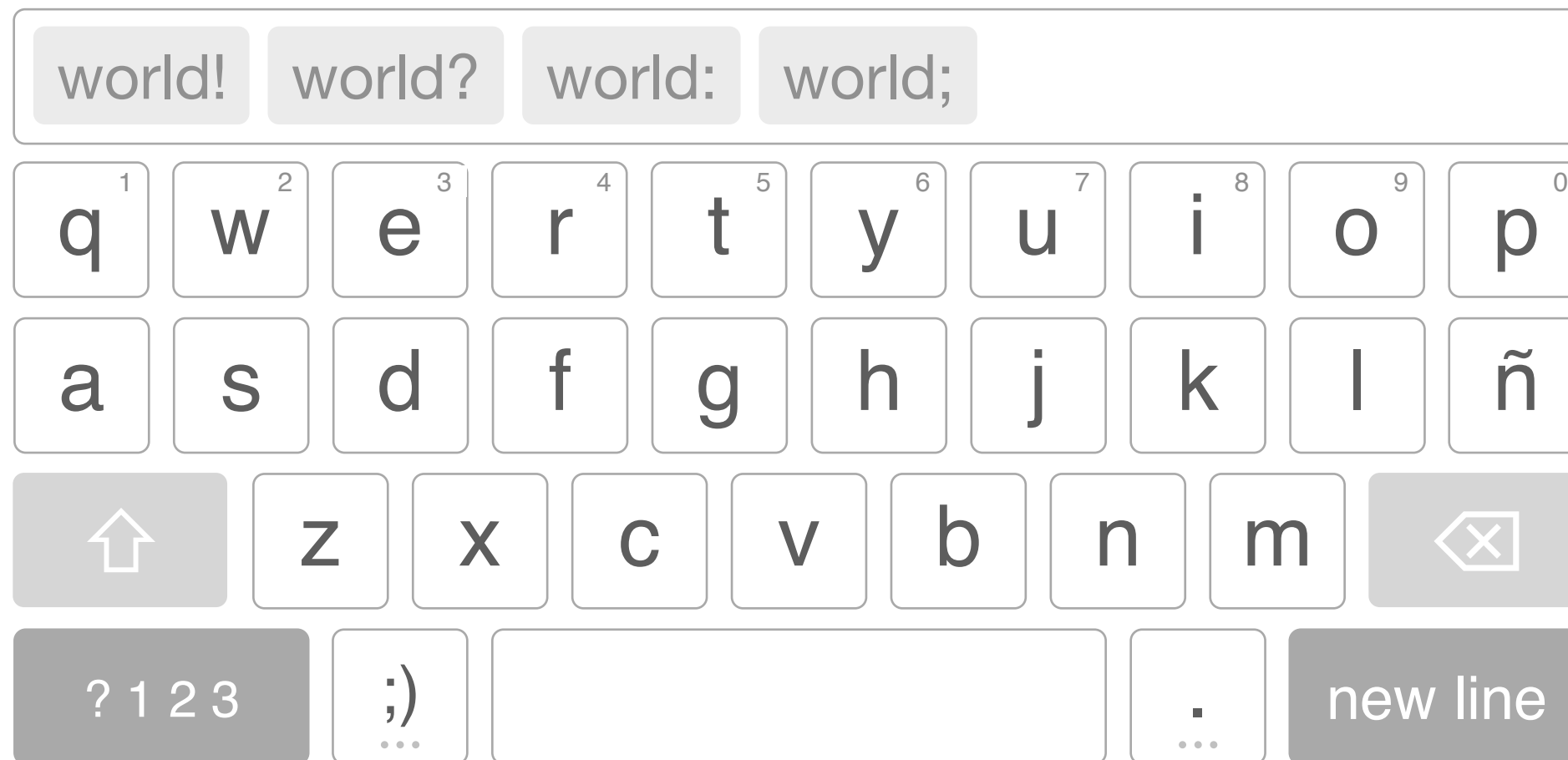
Tapping the space bar will **not** enter suggested punctuation

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Keyboard Recommendations
Suggesting Punctuation
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Keyboard Recommendations

Dynamic And Special Hit Areas

Using the same technology as the autocorrect feature, the actual hit area of keys can be dynamically modified to suit the most probable word, thus making typos harder to come by. Also note how the spacebar and the adjacent keys leave some room to avoid typos with the ones above.
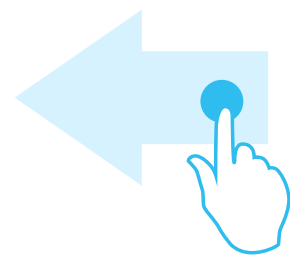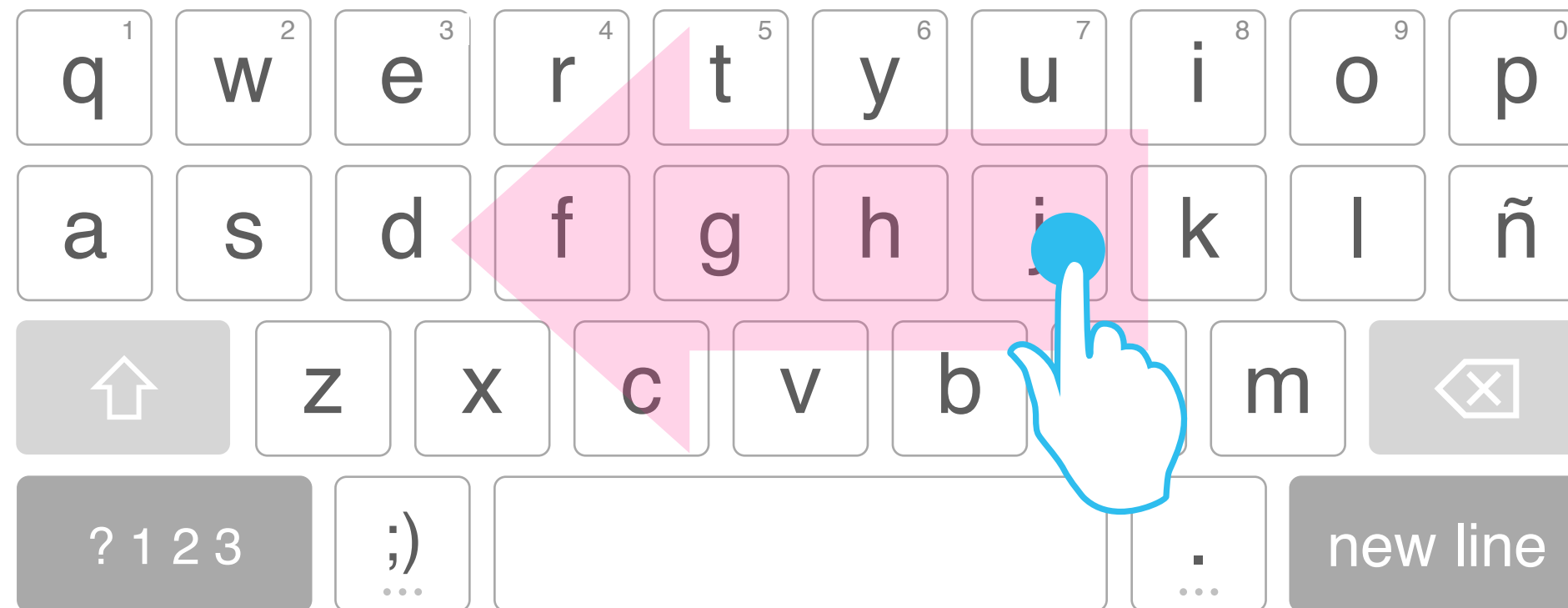
Hello worl
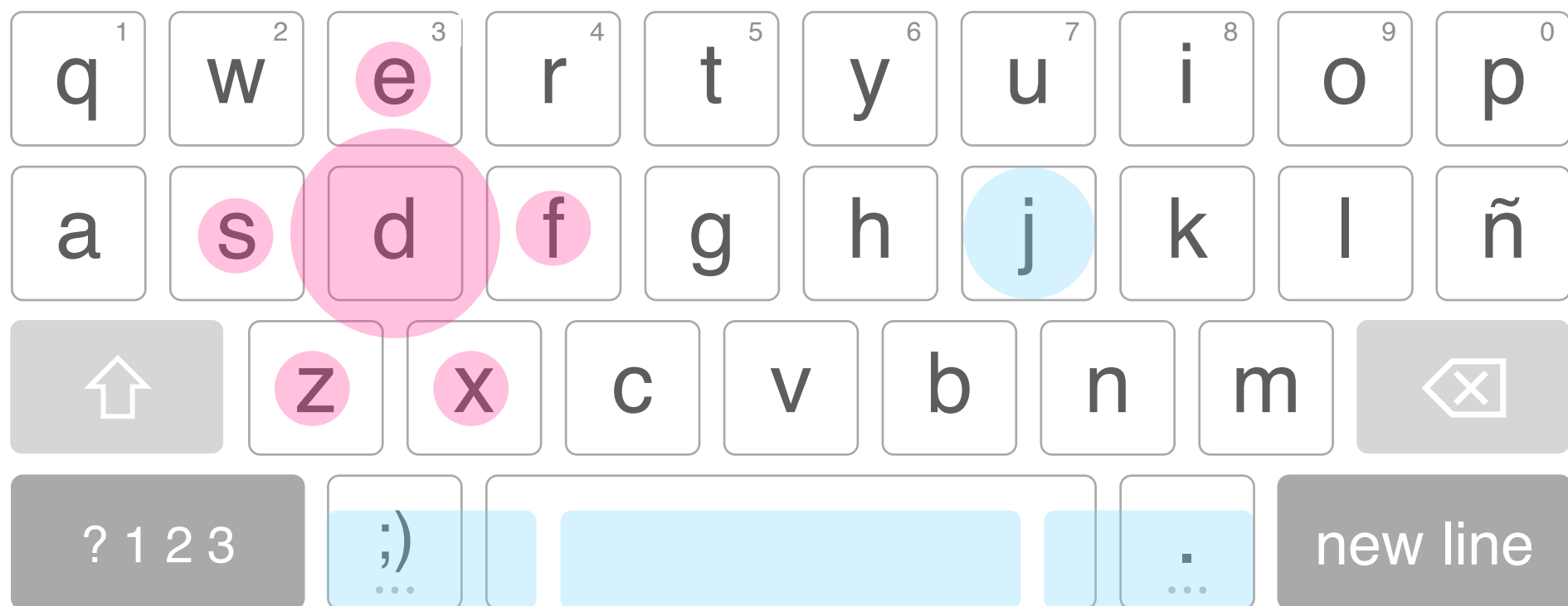
dynamic hit areas   standard hit areas

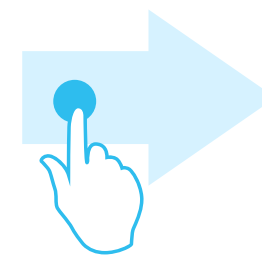# Keyboard Recommendations

Gestures

Gestures on top of the full keyboard can provide useful **shortcuts for common actions** like "undo" or delete the last word. <mark>Feasible but an API for the functionality needs to be provided.</mark>

undo   delete last word   redo

Keyboard Recommendations

Advanced Gestures

We could leverage the knowledge of standard computer shortcuts by swiping up on A, Z, X, C and V to achieve Select All, Undo, Cut, Copy and Paste. This is completely transparent and non-blocking for the user, and may never know about it. Feasible but an API needs to be provided for the functionality