

Firefox OS

Keyboard

VERSION

2

AUTHOR

Josh Carpenter

MODIFIED

April 17, 2013

DRAFT

Change Log

REV	DATE	CHANGES
2	Apr 6, 2013	<ul style="list-style-type: none">• Updated spec by Josh Carpenter, per feedback from Tim Chien in "IME UX document review" email thread.• Added ability to access system selection prompt from the active keyboard (page 18).
1	Aug, 2012	<ul style="list-style-type: none">• Spec created

Layout & Hit Targets

Third Party Keyboards

Performance

Word Suggestions & Auto-correction

Dynamic Hit Targets

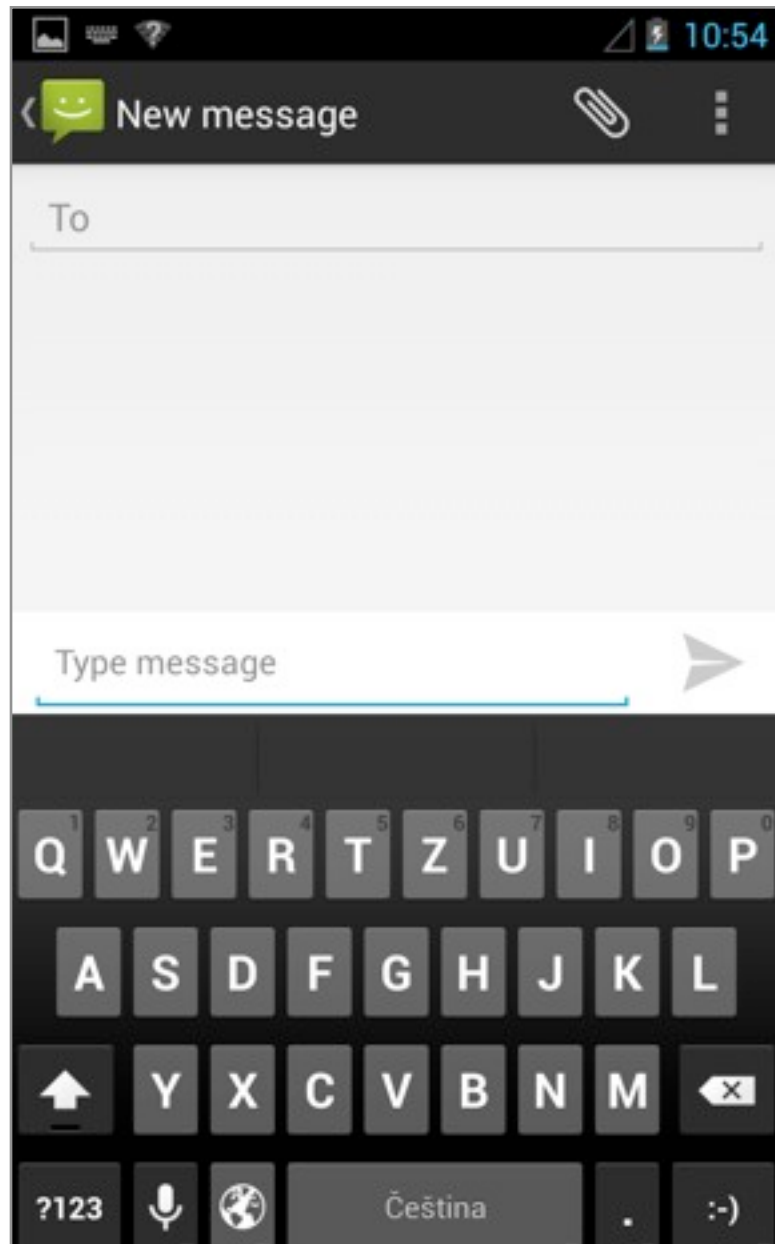
Settings

Gray sections to come in future revisions...

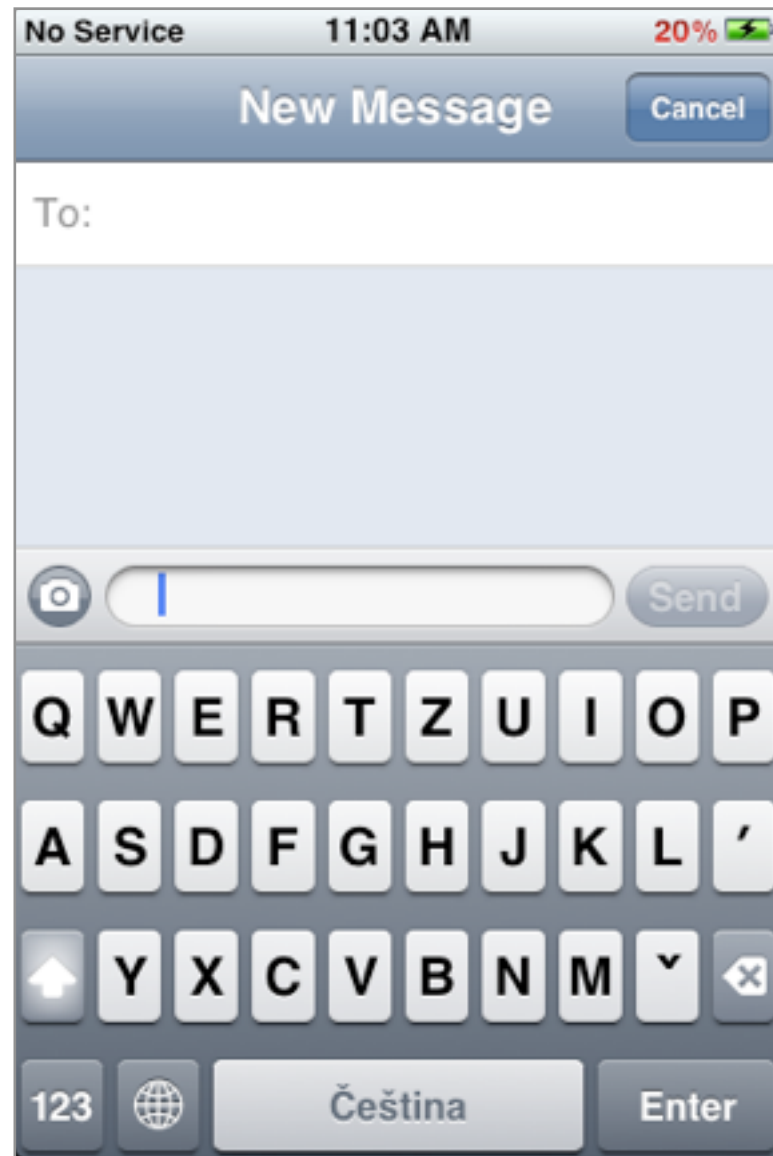
Firefox OS Default Keyboard Layout & Hit Targets

Work in progress...

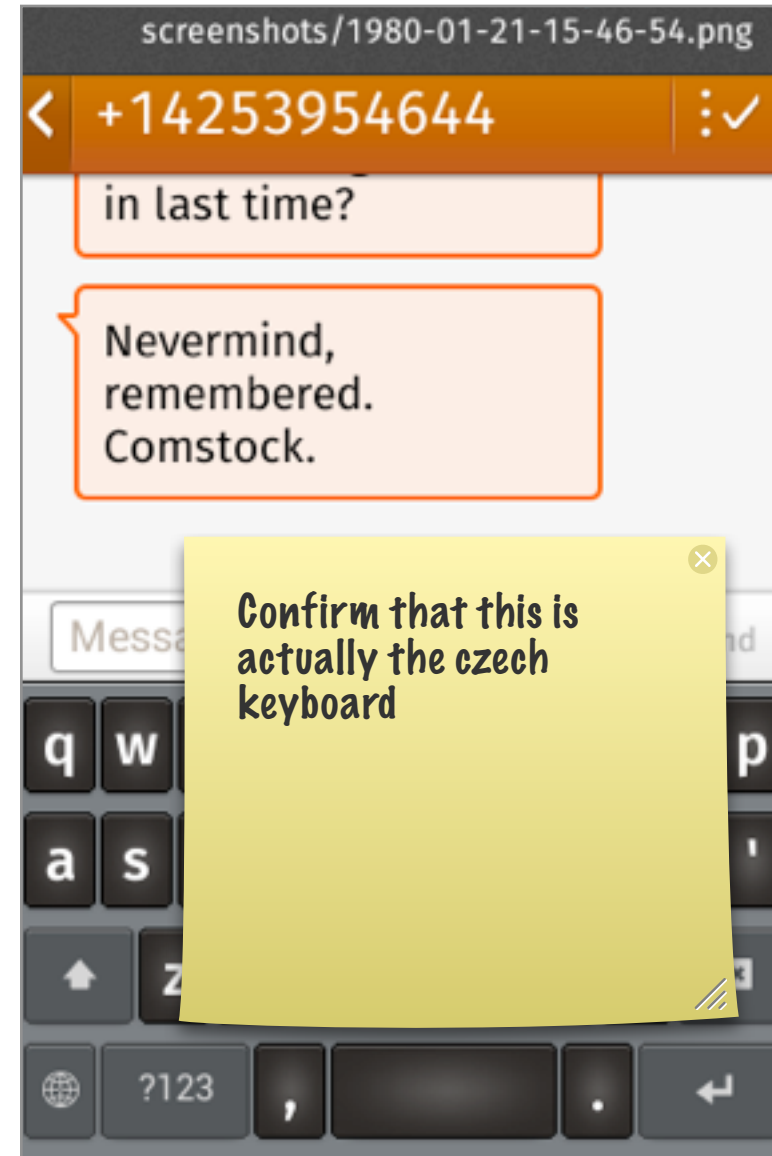
Czech



Android



iOS



Firefox OS Old

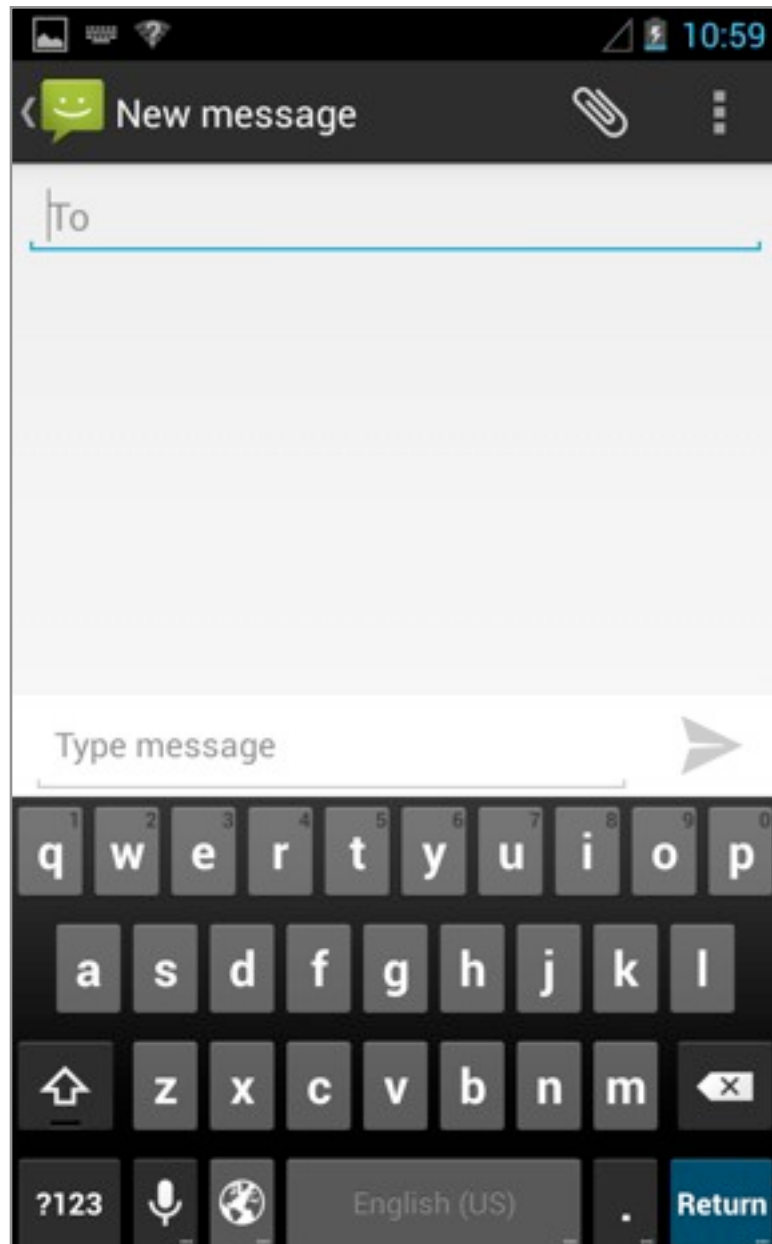


Firefox OS New

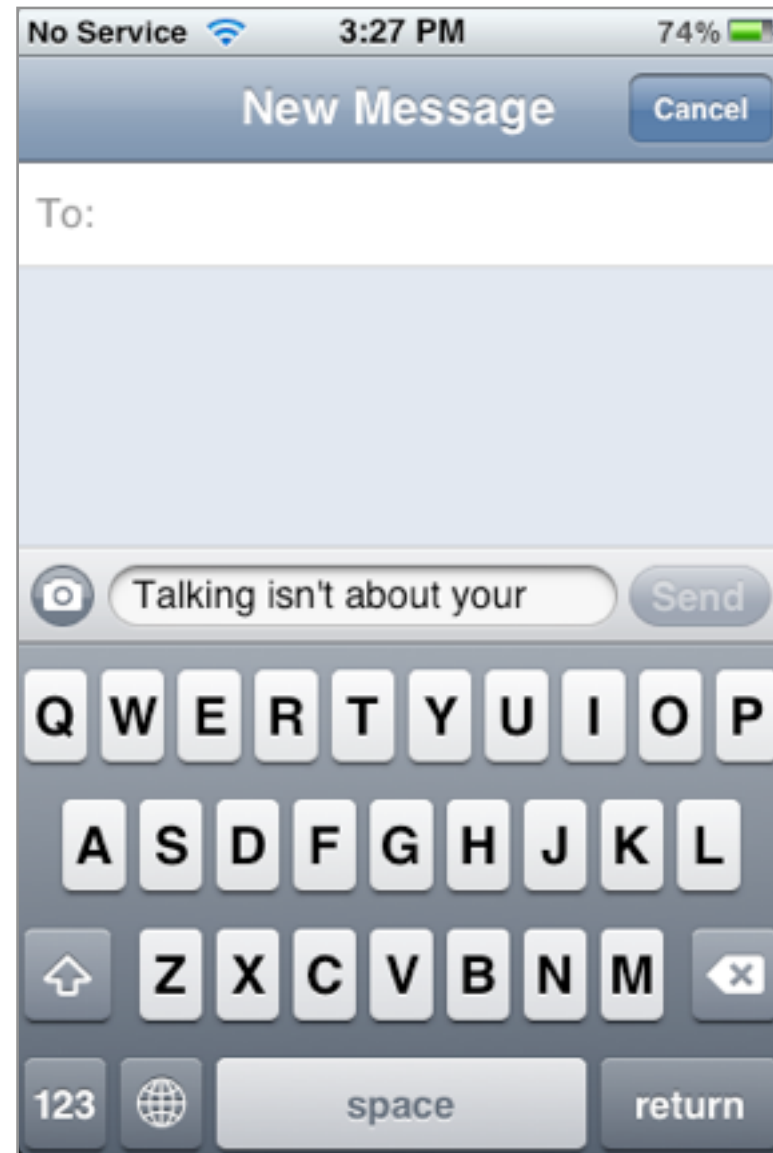
English

- Remove apostrophe
- Remove comma
- Reduce size of Shift and Delete
- Move Alternate Characters key to far left (bottom row)

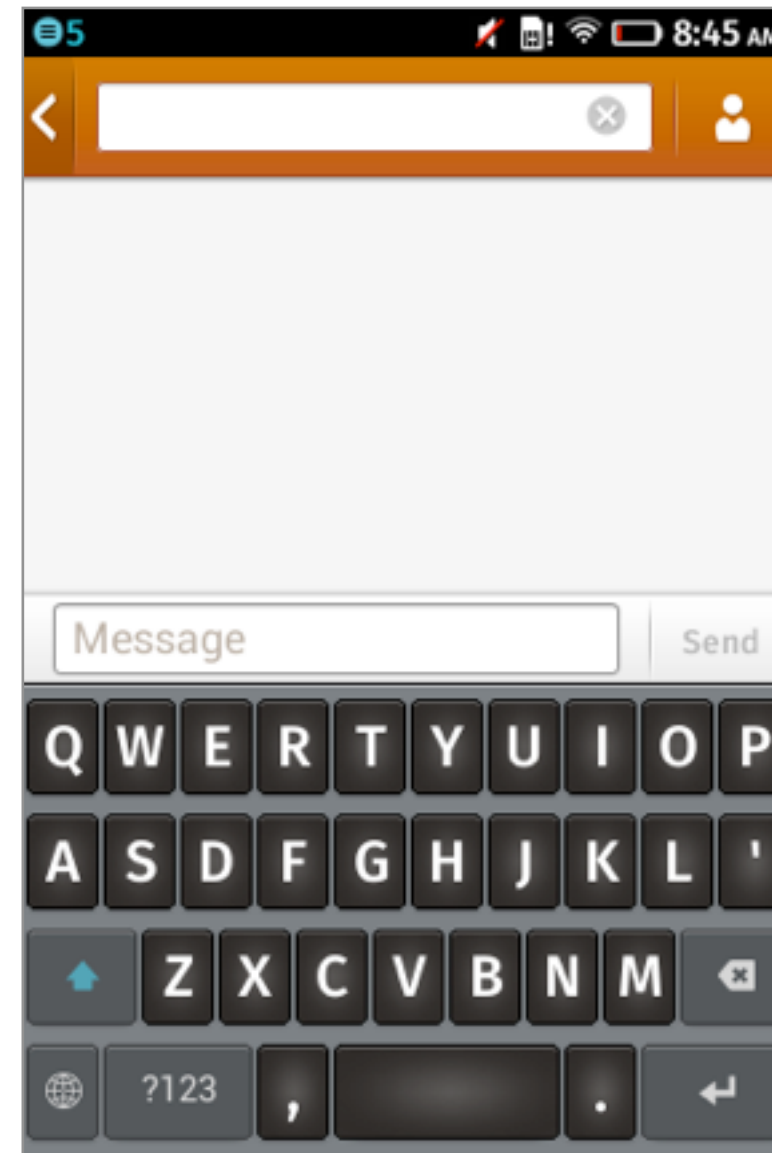
- Resize Alternate Characters and Keyboard Select keys.
- Expand Spacebar.



Android



iOS



Firefox OS Old

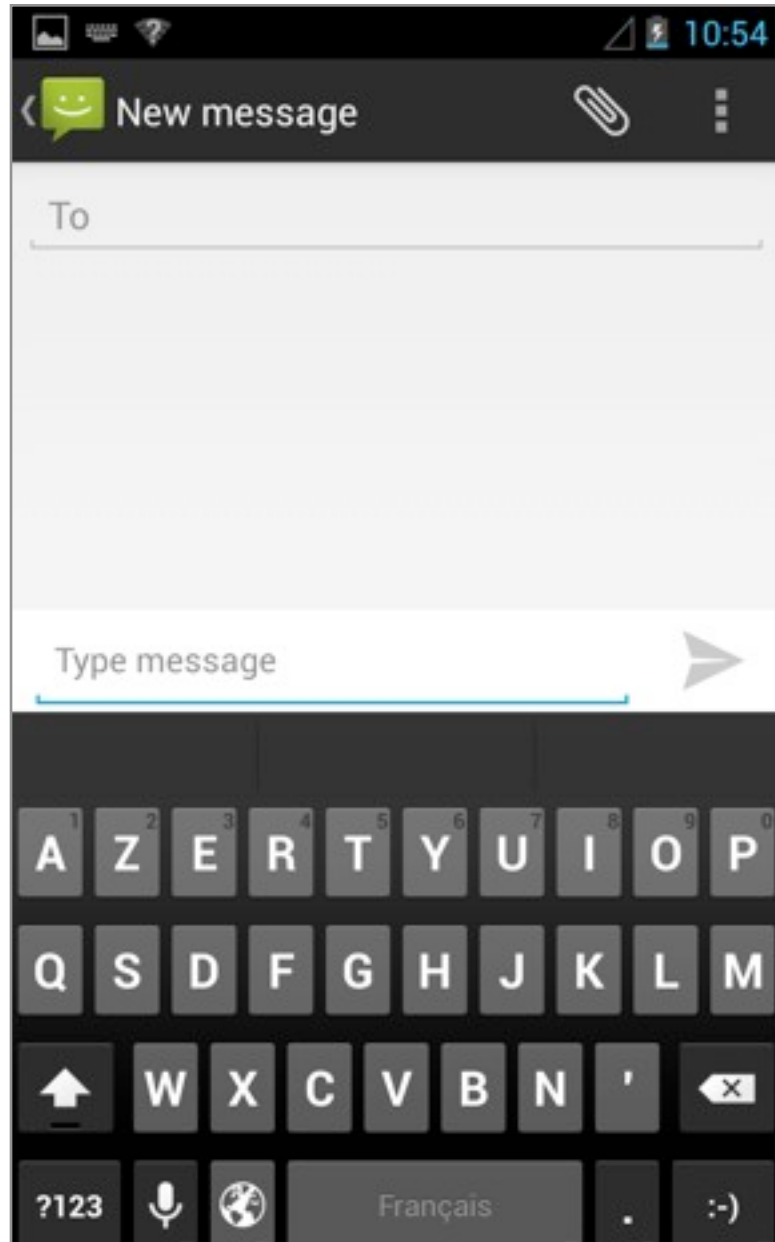


Firefox OS New

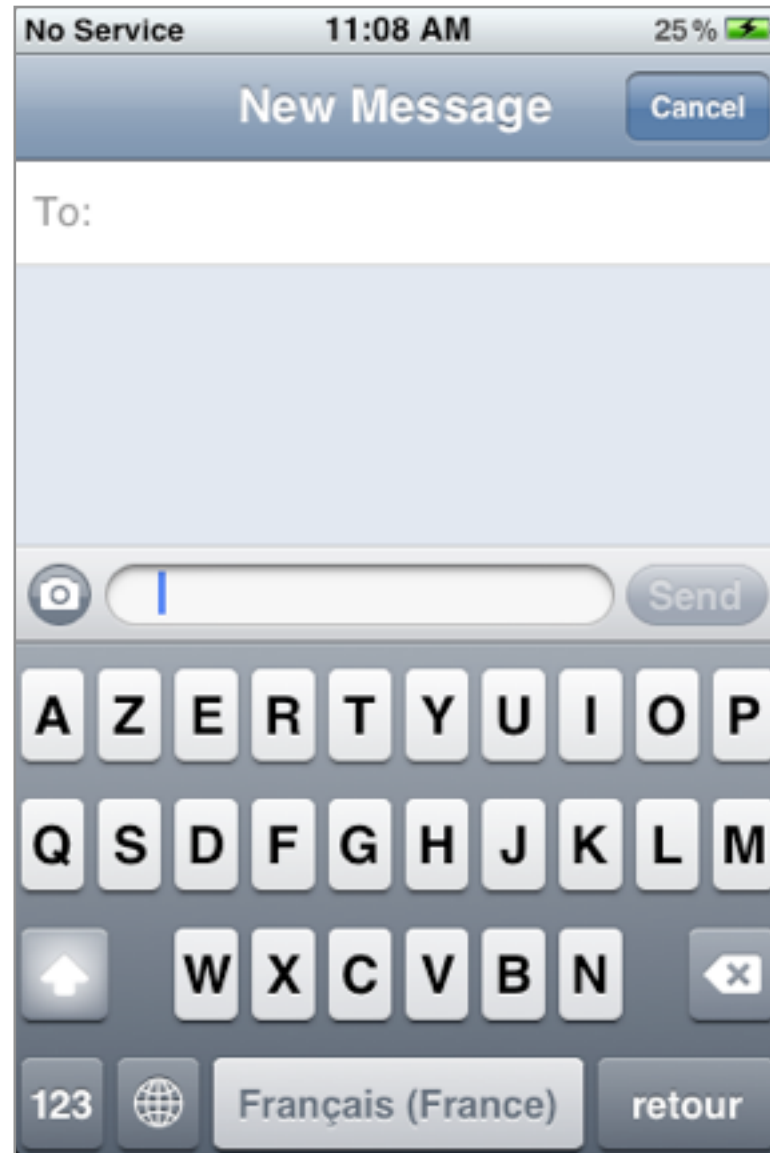
French

- Remove apostrophe
- Remove comma
- Reduce size of Shift and Delete
- Move Alternate Characters key to far left (bottom row)

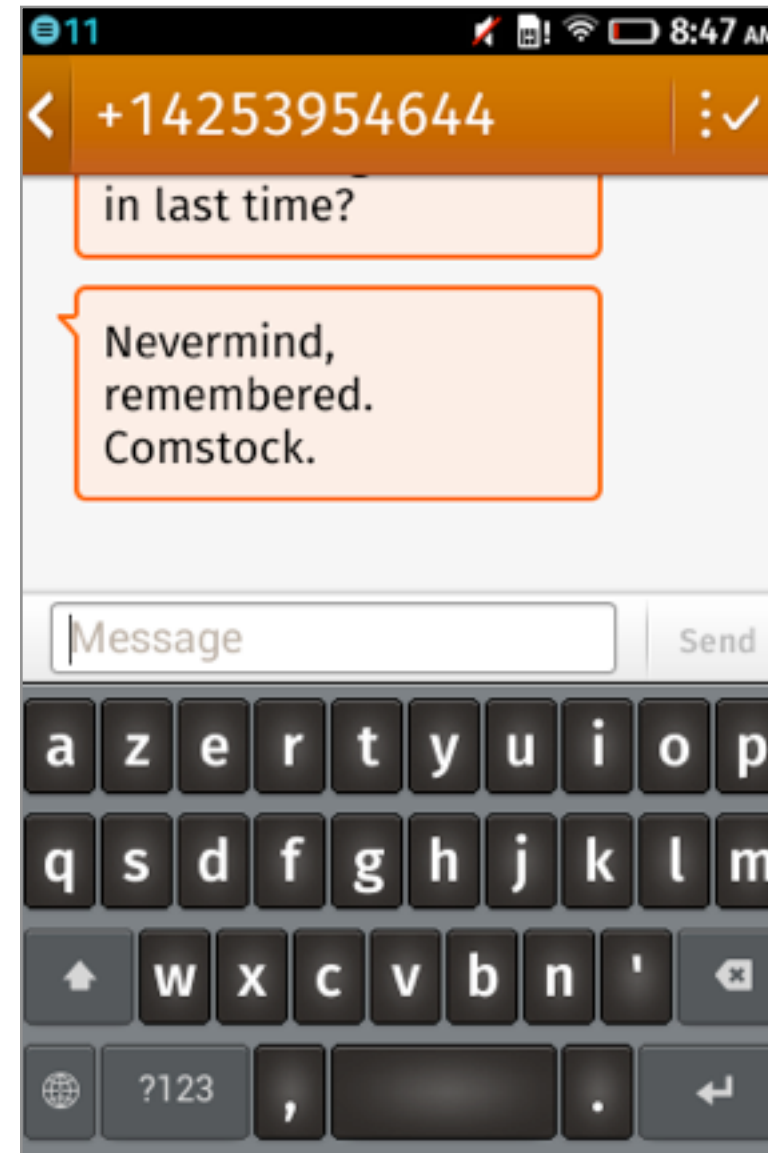
- Resize Alternate Characters and Keyboard Select keys.
- Expand Spacebar.



Android



iOS

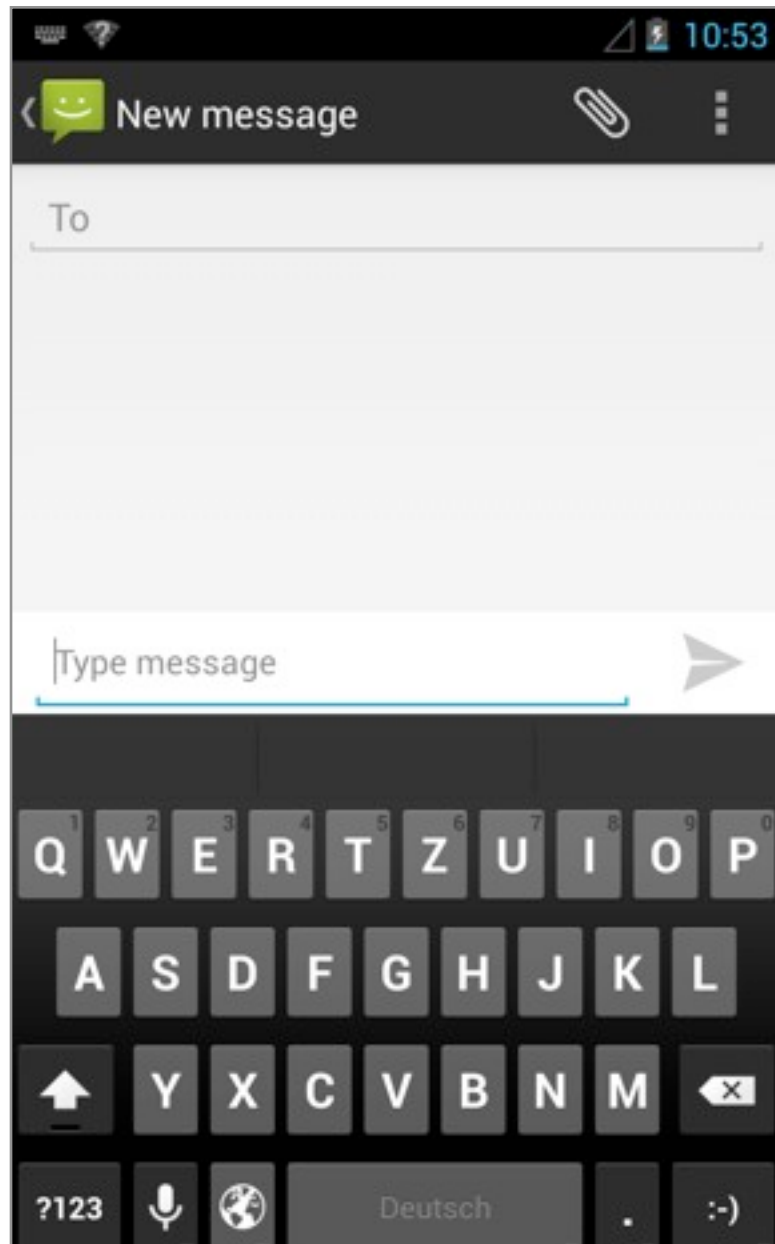


Firefox OS Old

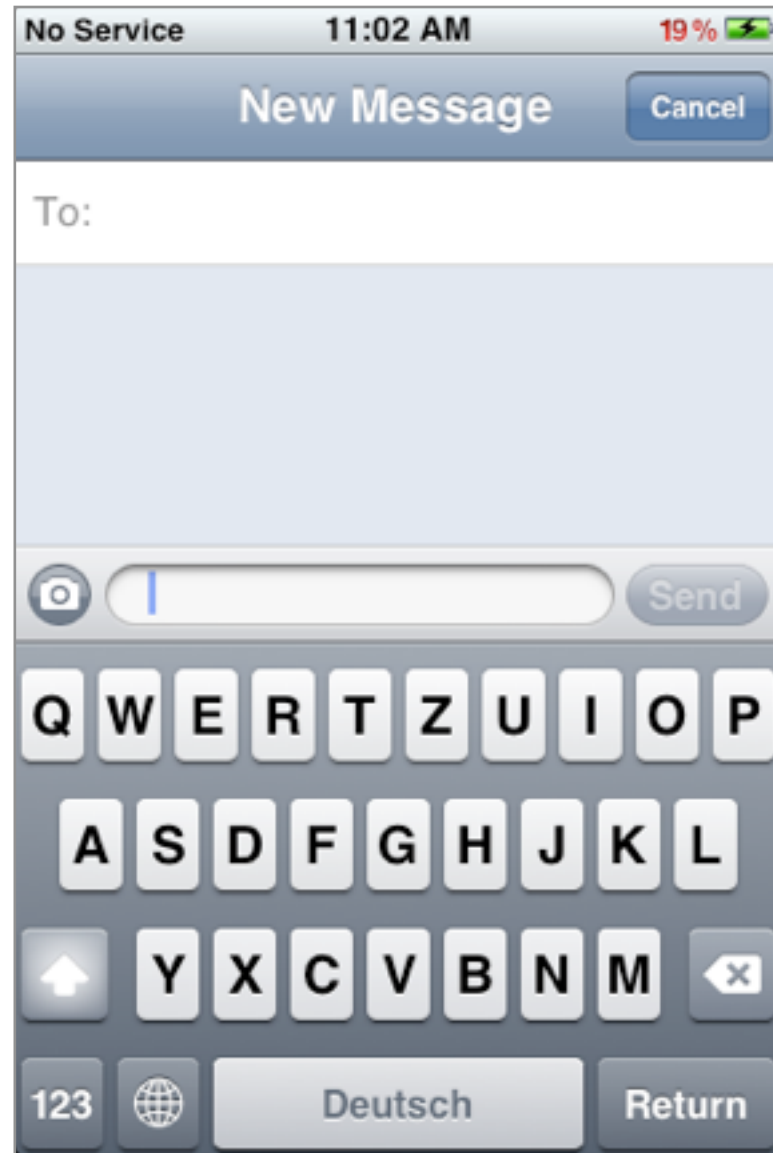


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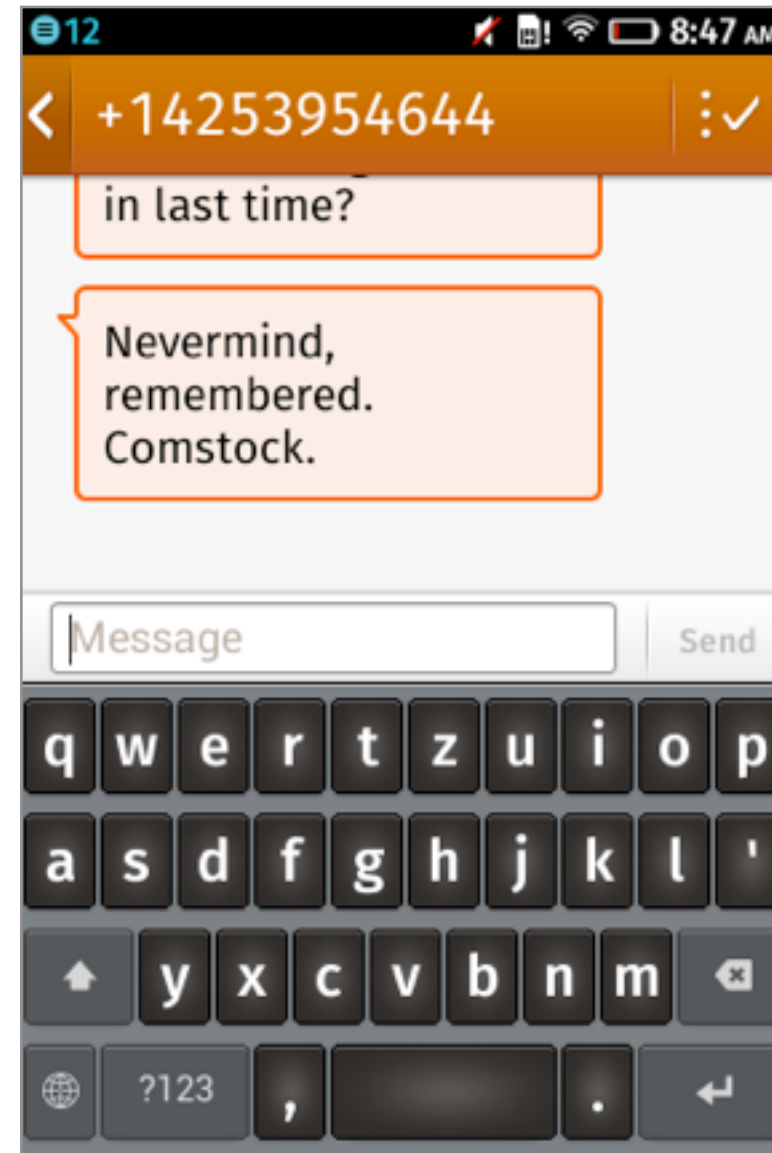
German



Android



iOS

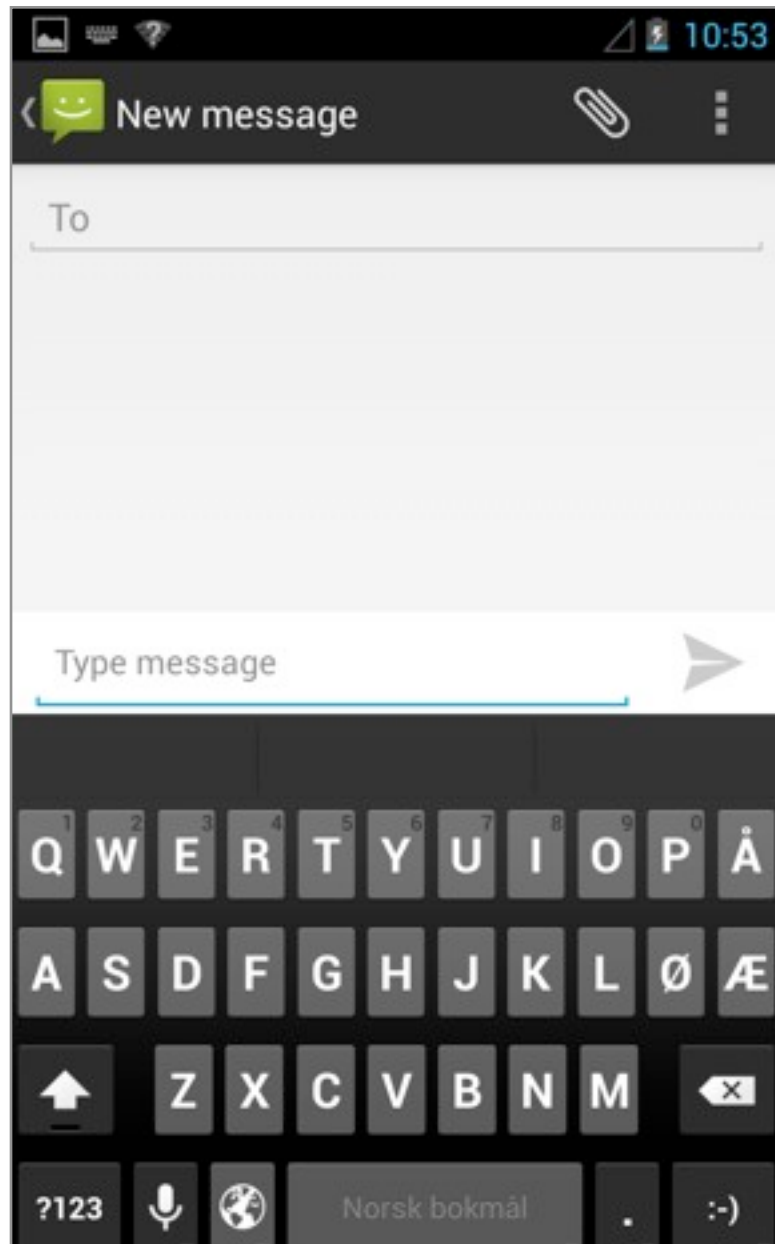


Firefox OS Old



Firefox OS New

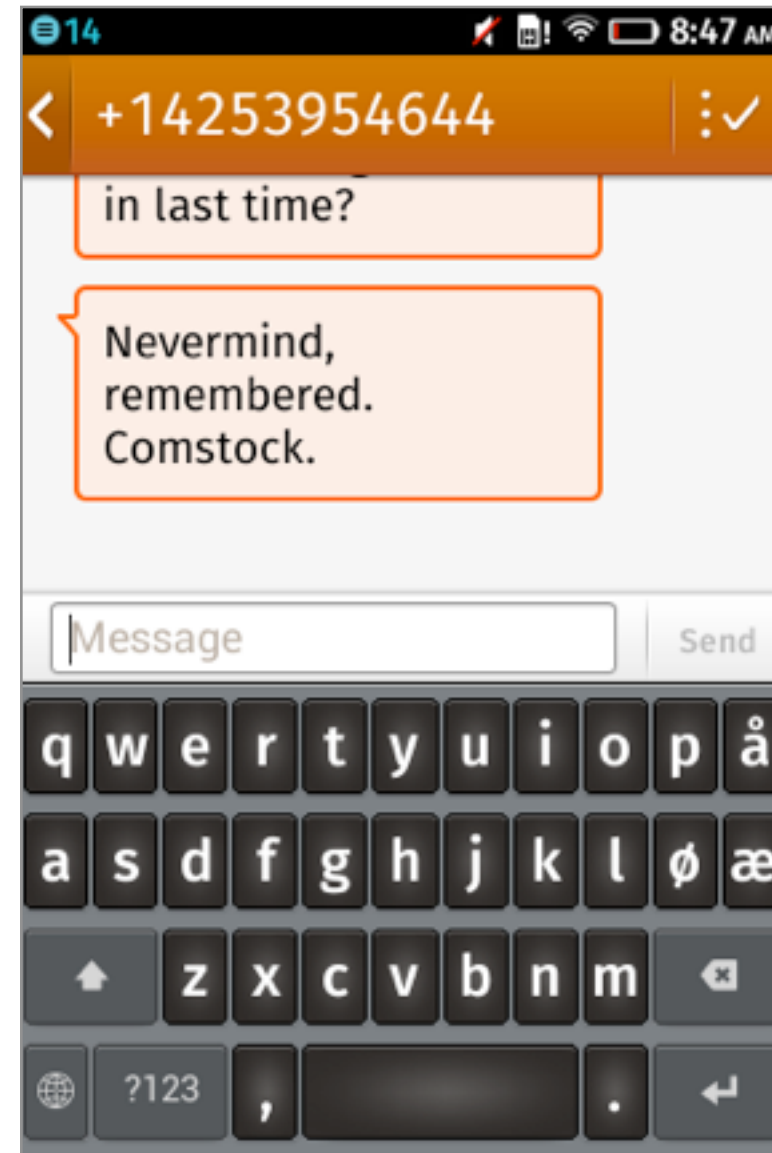
Norweigan



Android



iOS

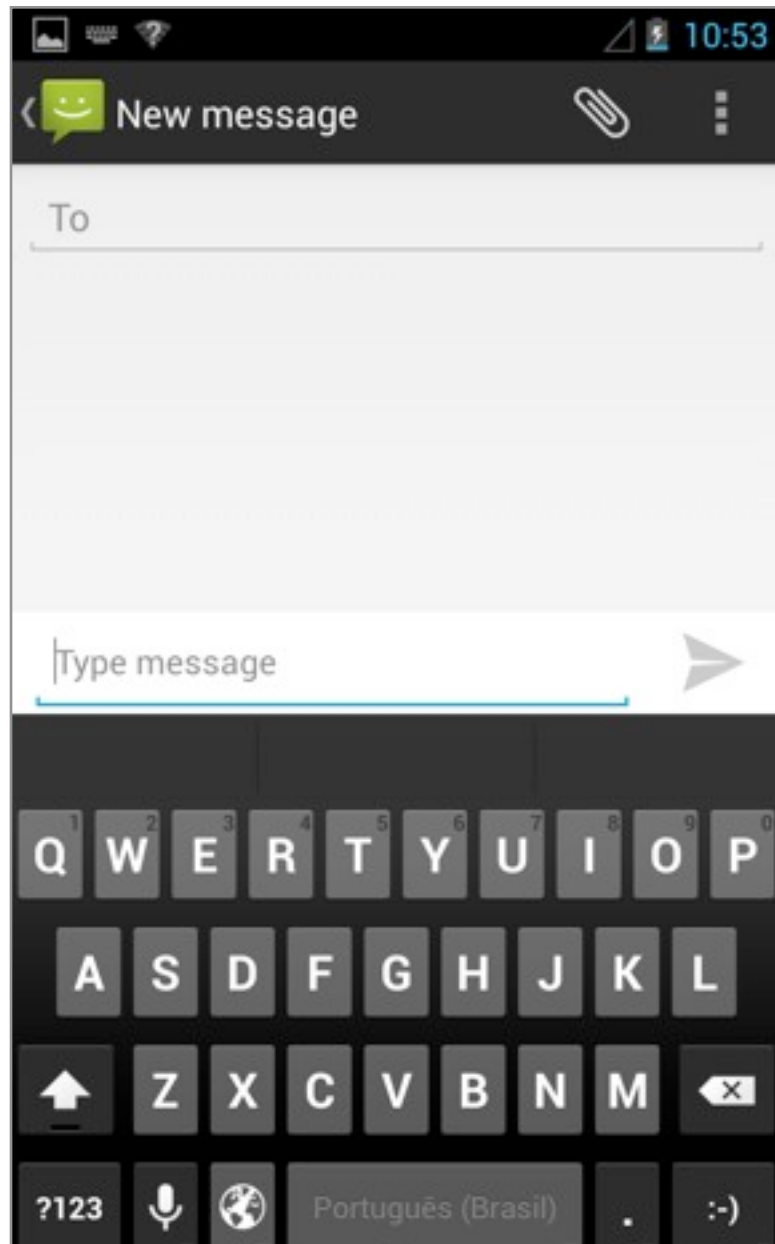


Firefox OS Old

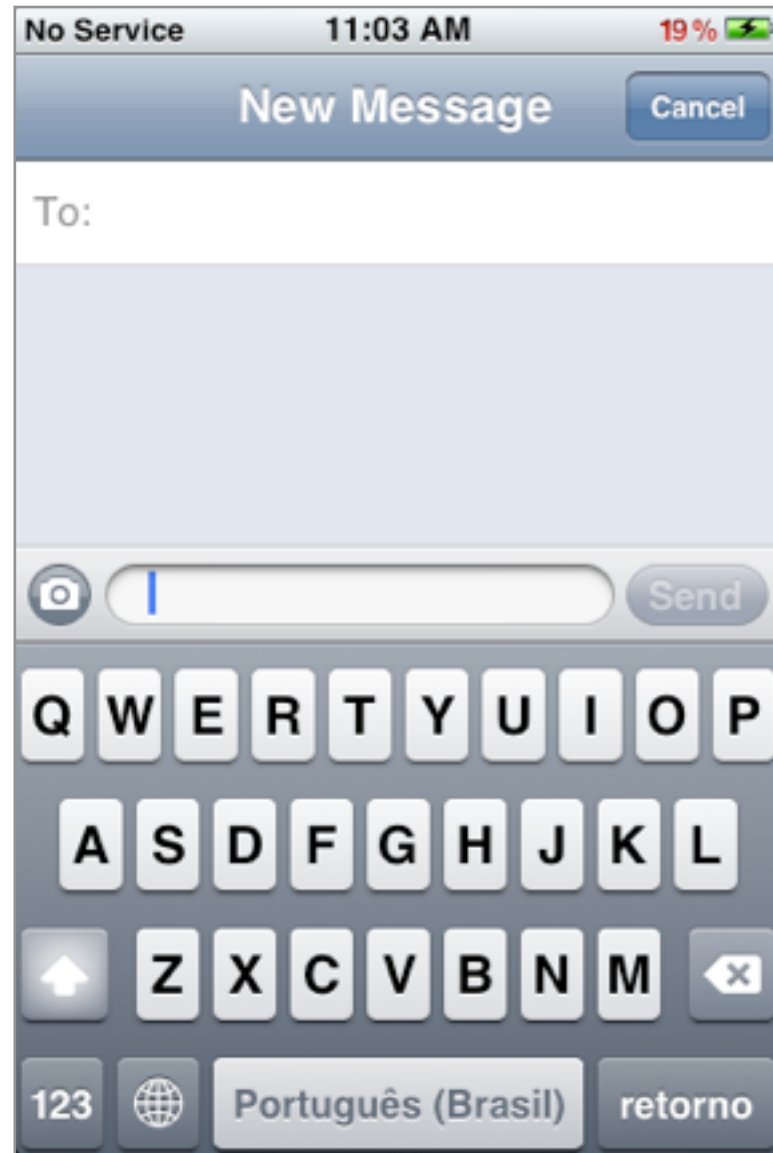


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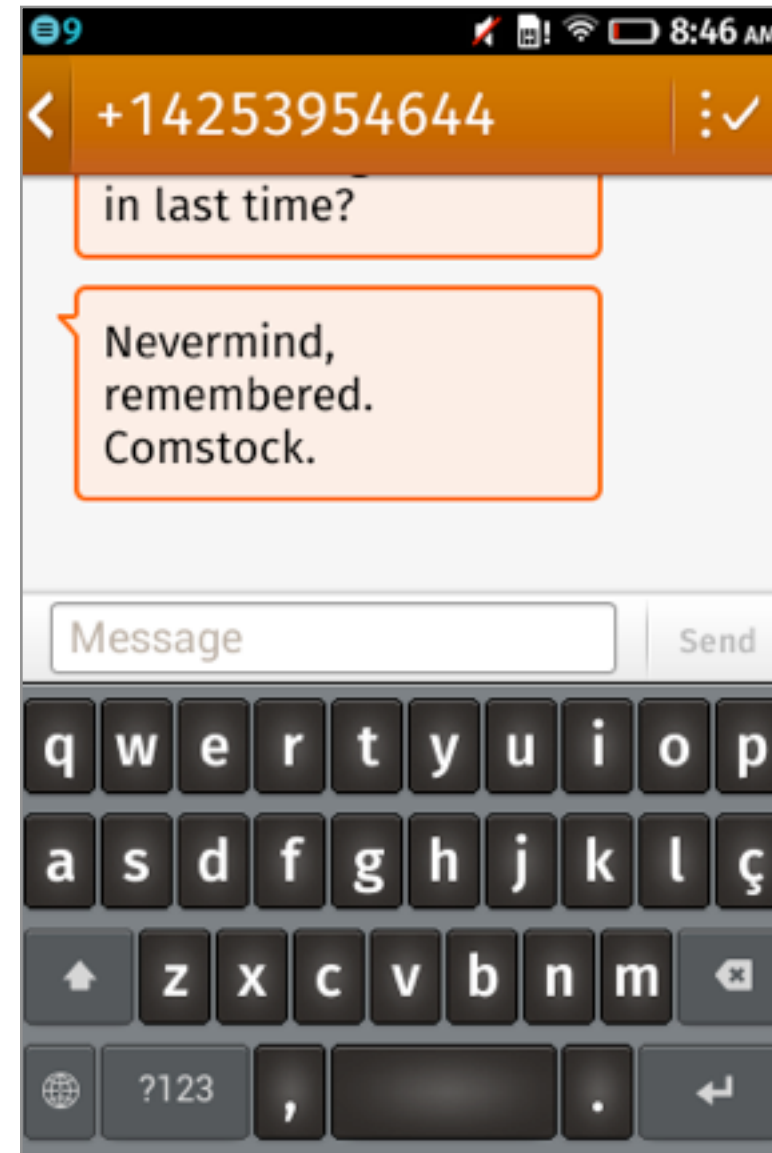
Portuguese



Android



iOS

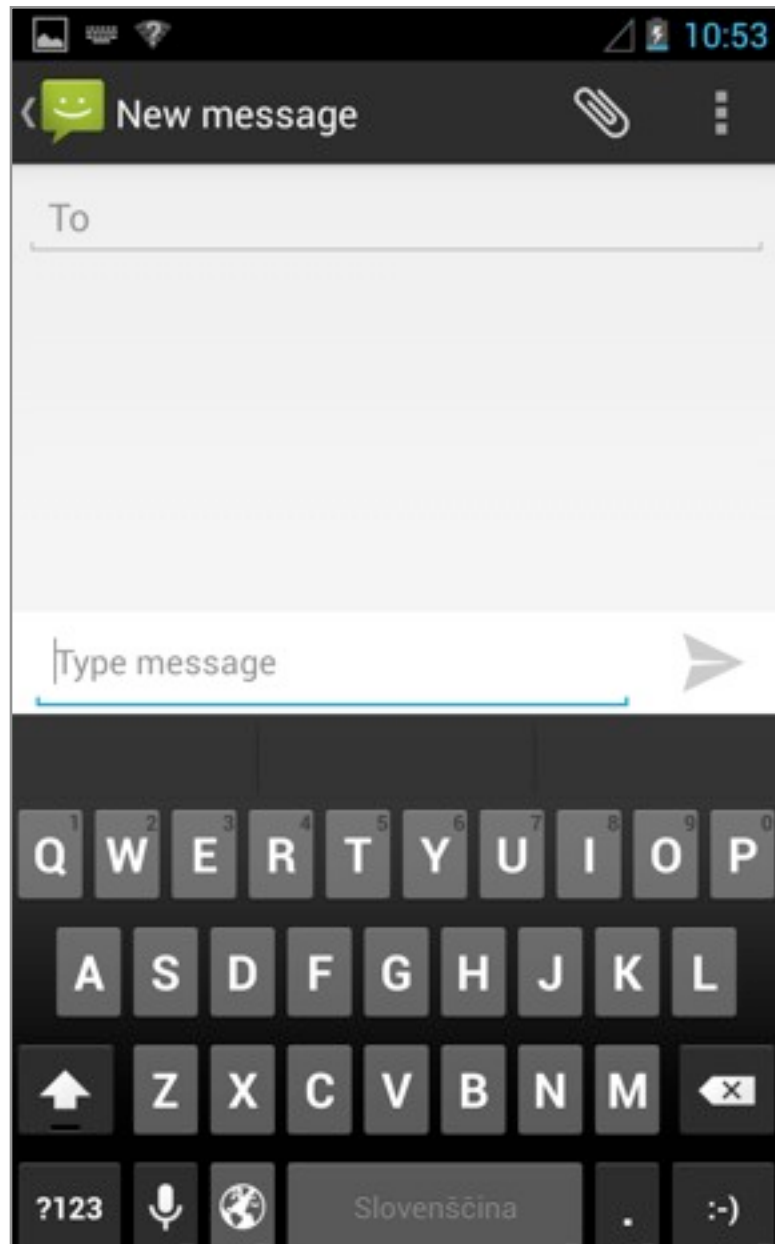


Firefox OS Old

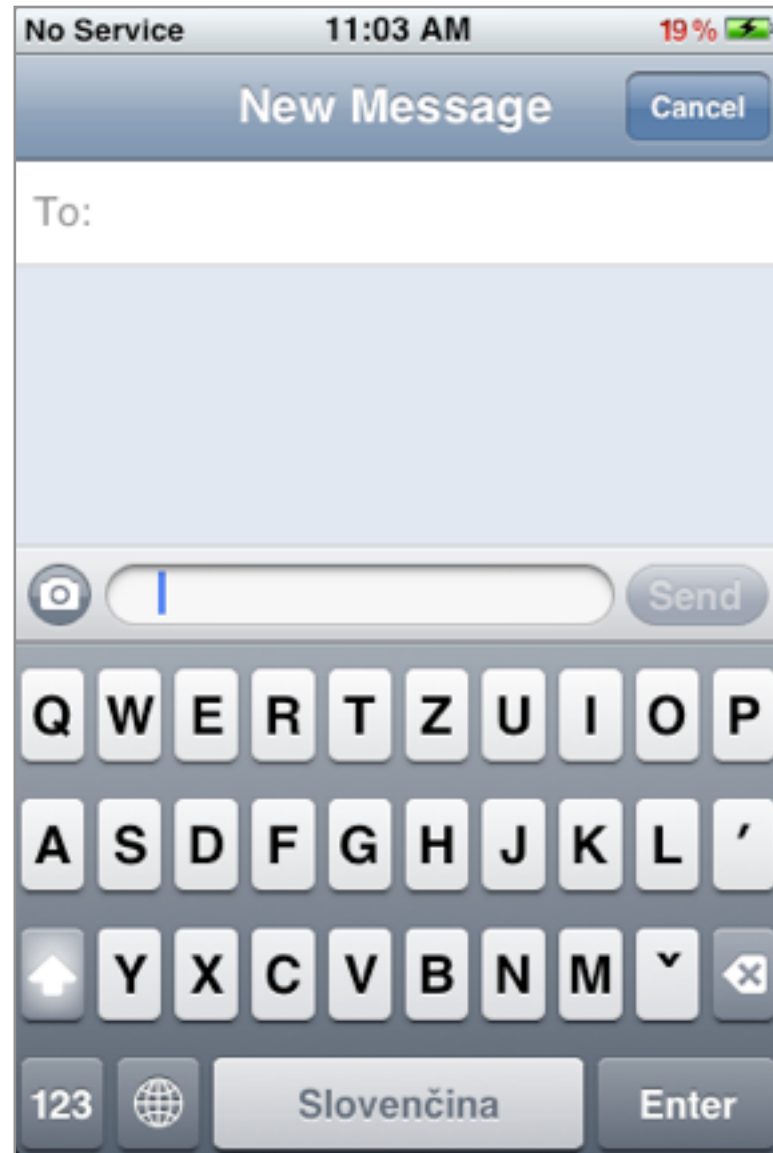


Firefox OS New

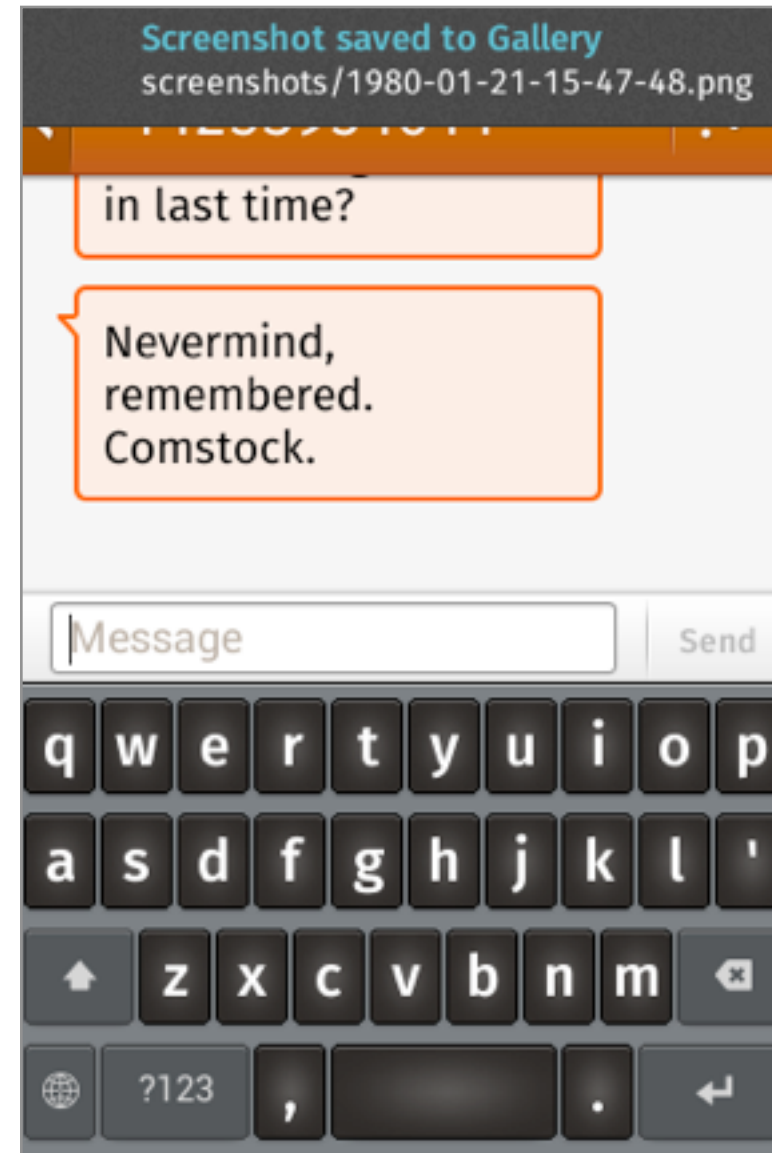
Slovenian



Android



iOS

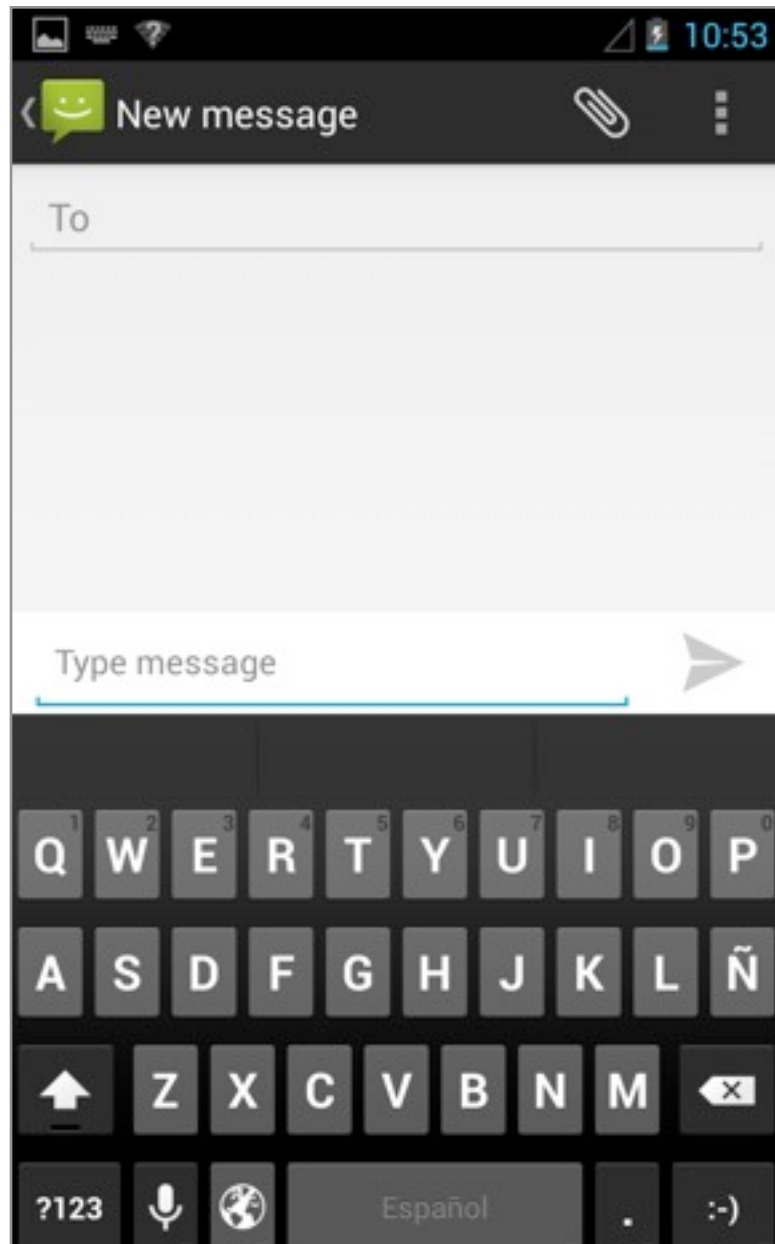


Firefox OS Old

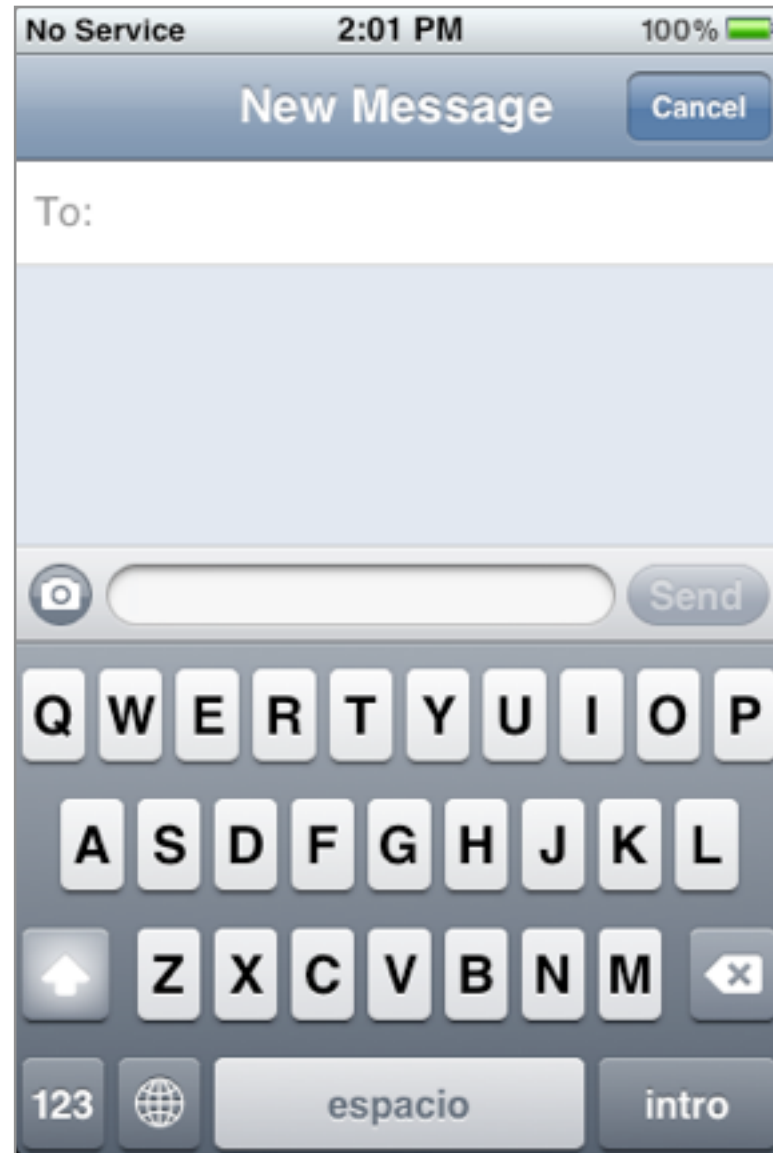


Firefox OS New

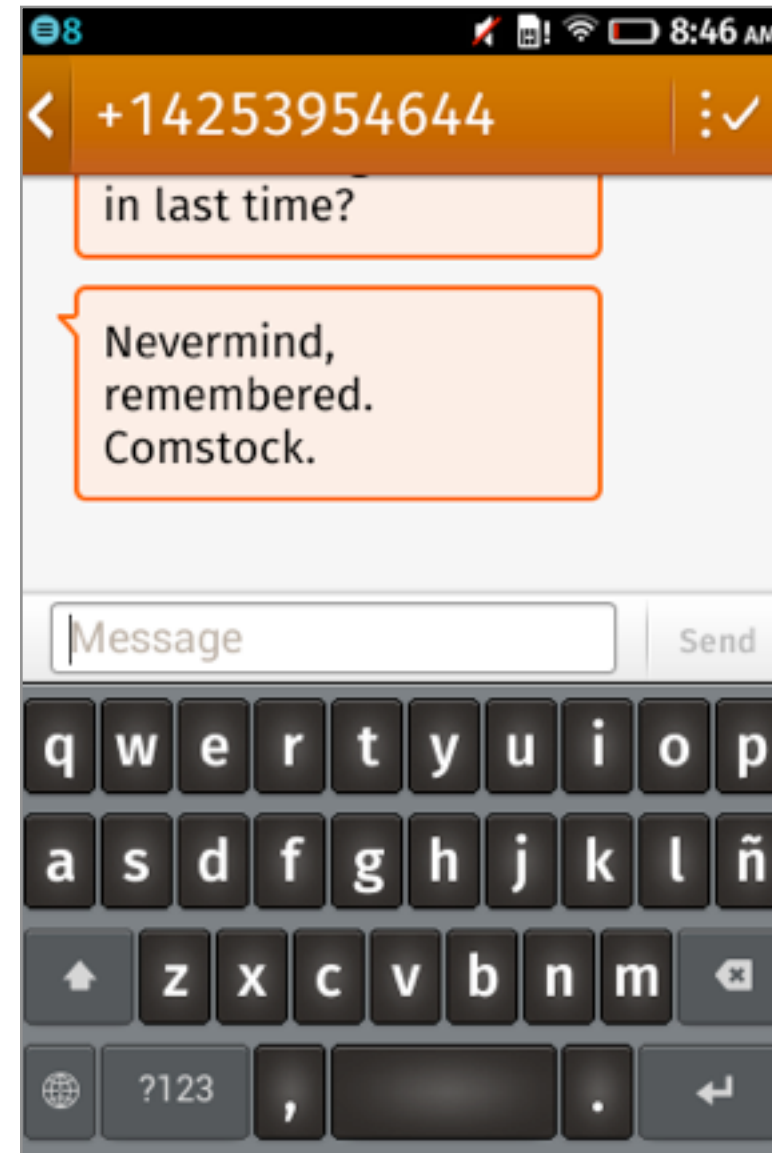
Spanish



Android



iOS

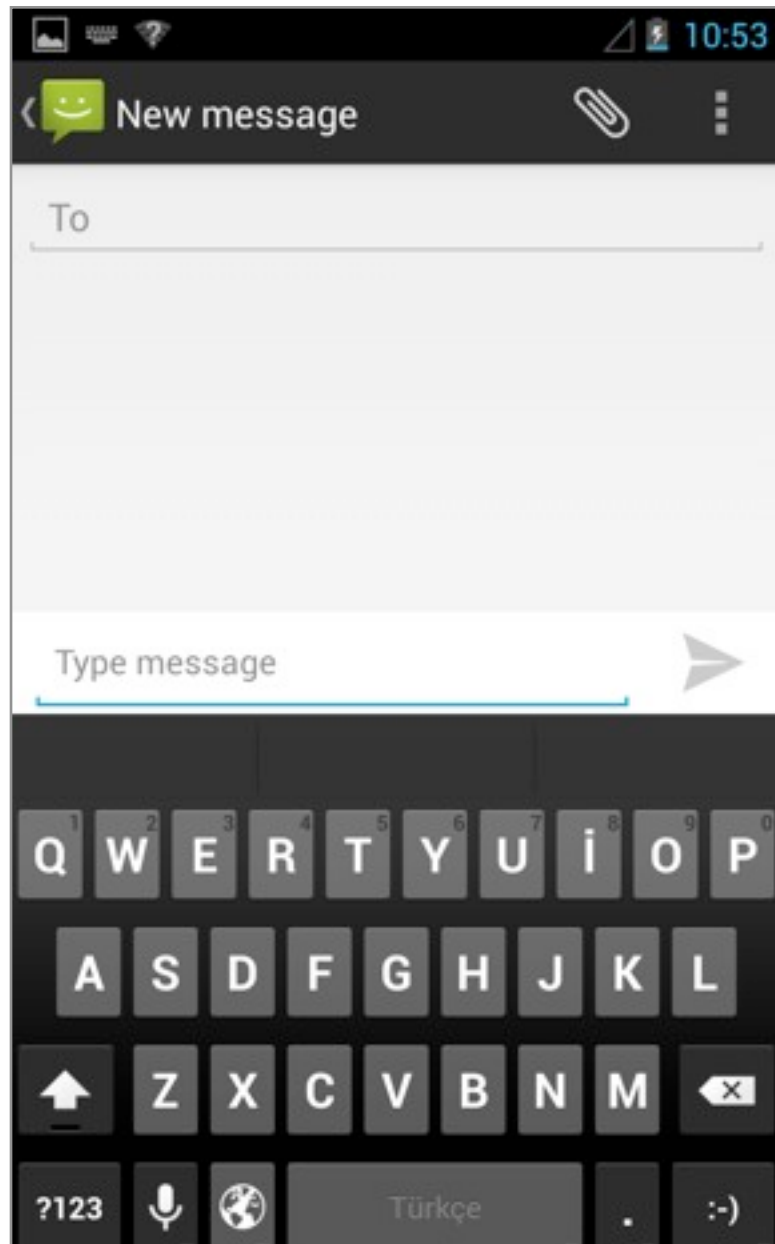


Firefox OS Old

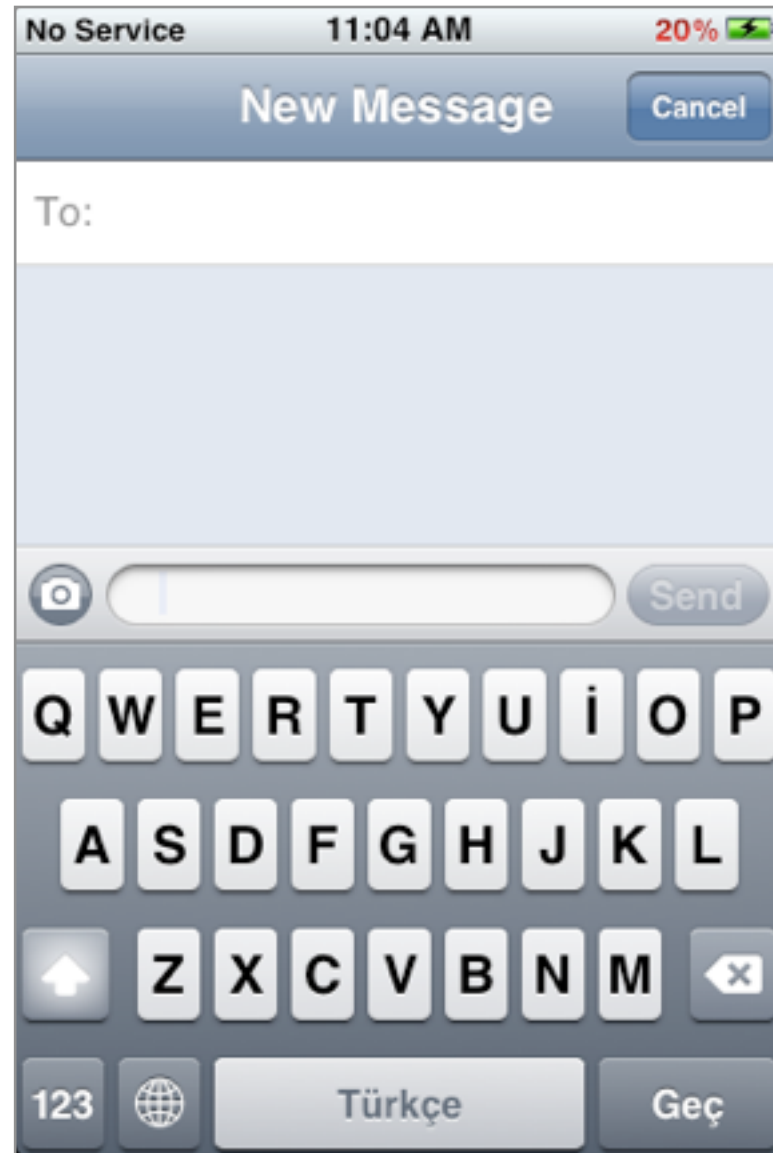


Firefox OS New

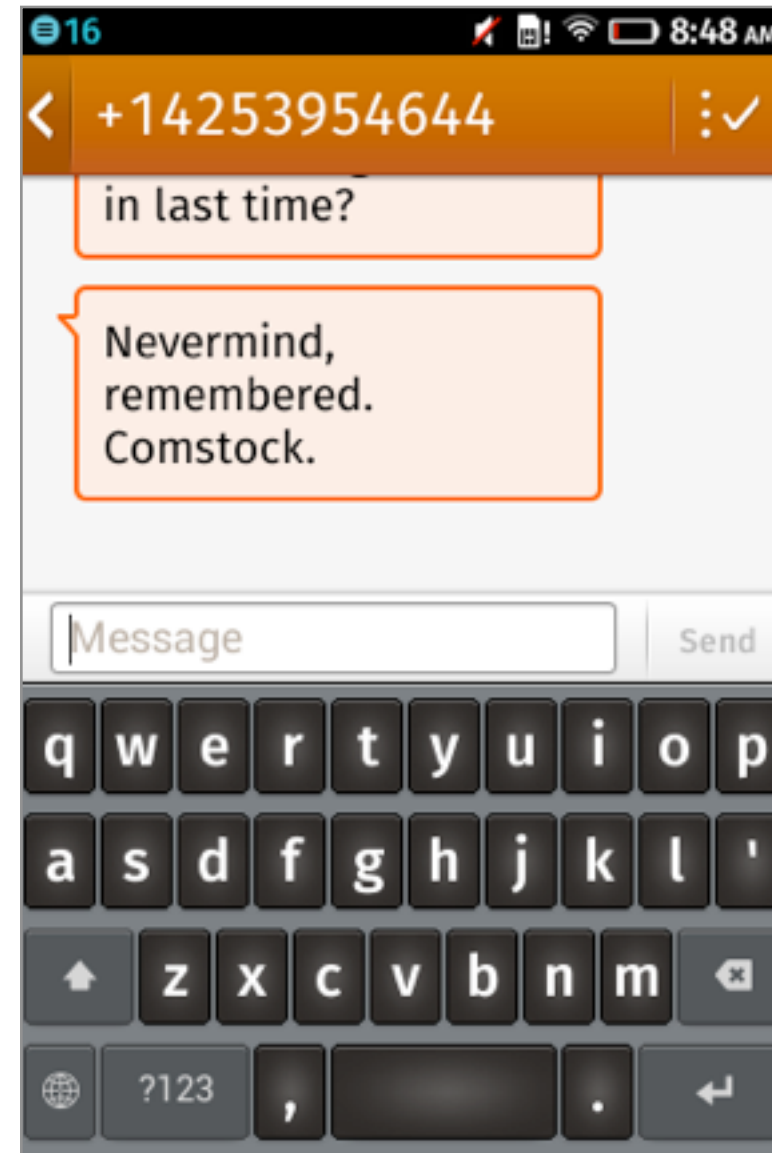
Turkish



Android



iOS



Firefox OS Old



Firefox OS New

Third Party Keyboards

Work in progress...

Replaceable Keyboard: User Stories

As a user, I want to be able to download and install third party keyboards, so I can find an input solution that's right for me.

As a user, I want to be notified once installation of a keyboard is complete and be presented with the option to open it, so I can complete the setup process immediately, without the risk of forgetting to do so later.

As a user, I want installed third party keyboards to be accessible from the Settings app and other paths but not from the Home screen, so they remain easy to access, but do not clutter my Home screen with keyboard app icons.

As a user, I want to be able to select an active keyboard from my installed keyboards, so I can choose the keyboard that's right for me.

As a user, I want to be able to change my active keyboard from anywhere in the OS, so I can change keyboards quickly and reliably and am never locked into using one keyboard.

As a user, I want to be able to define which keyboards and languages are enabled and disabled, so I can enable only the ones that I need.

As a user, I want to be able to adjust keyboard settings, so I can optimize them for my needs.

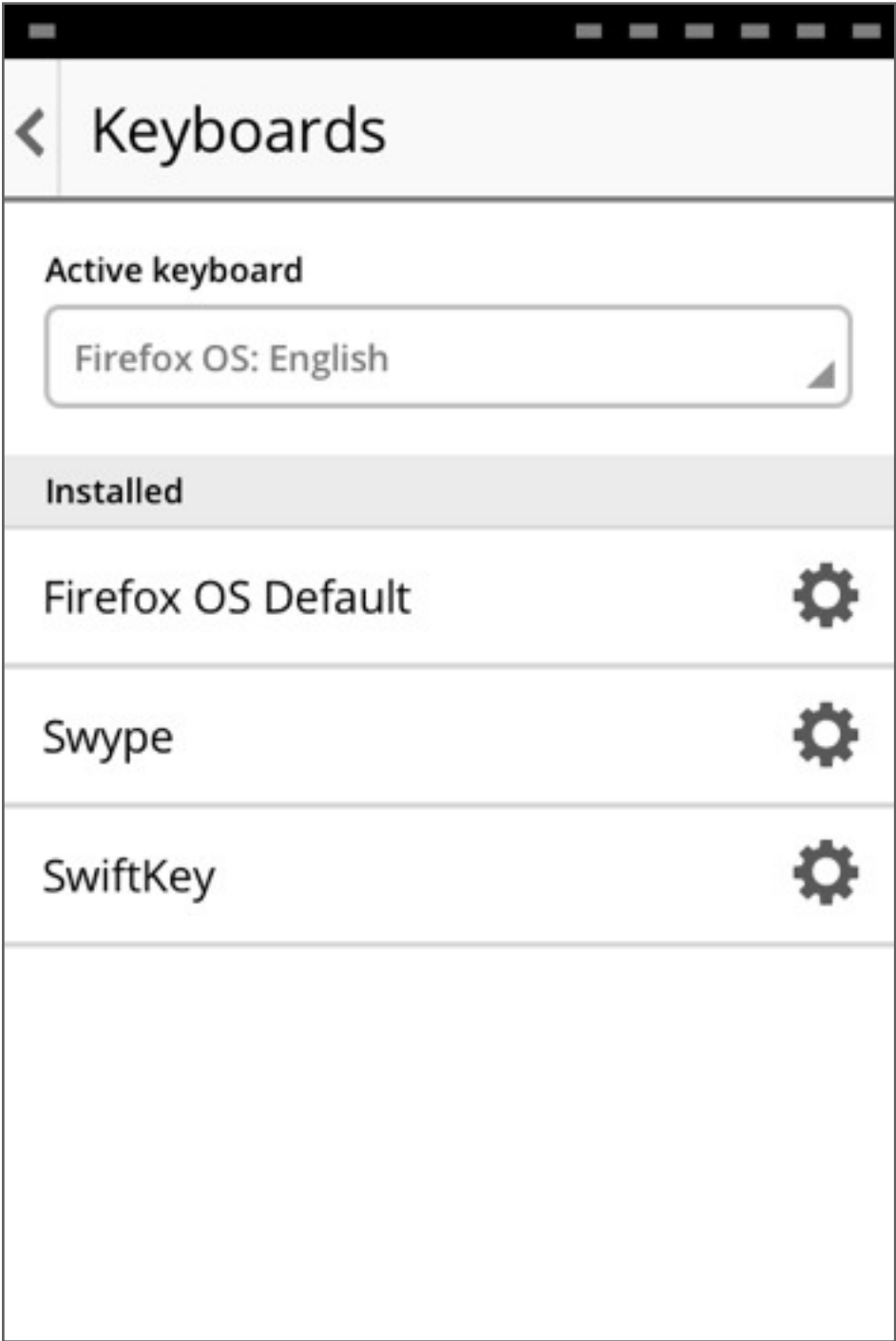
As a user, I want to be able to review keyboard permission details, so I can make sure I approve the security levels.

Work in progress...

Keyboard Settings: Top Level



No third party keyboards installed



One or more third party keyboards installed

If the user has no third party keyboards installed, we present the following interface. The options of the Firefox OS Default Keyboard are presented as top-level toggles, making them easier to discover for novice users.

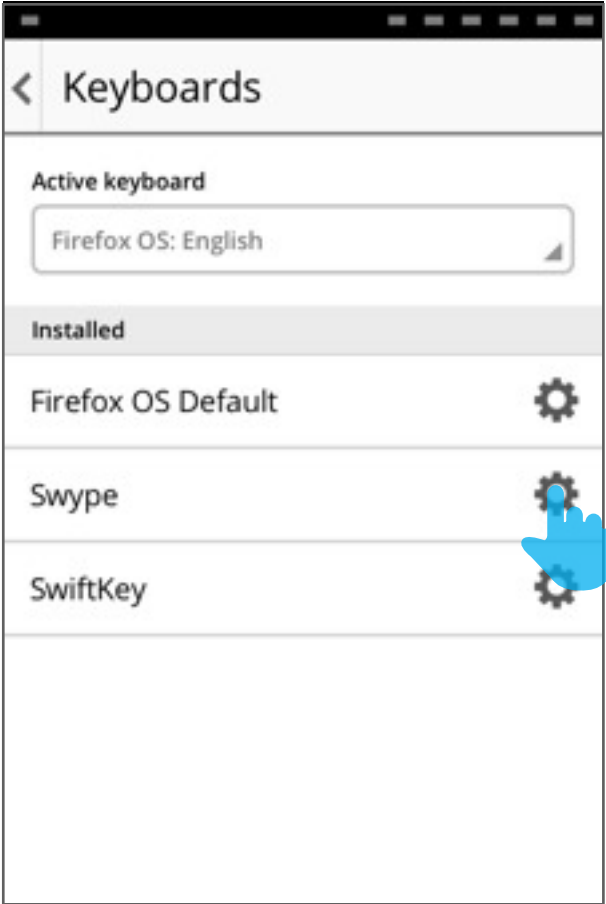
Once the user installs a third party keyboard, the interface changes. Firefox OS Default Keyboard (FFOSDK) options are now moved into their FFOSDK Settings, accessible from the gear icon.

Setup new keyboard

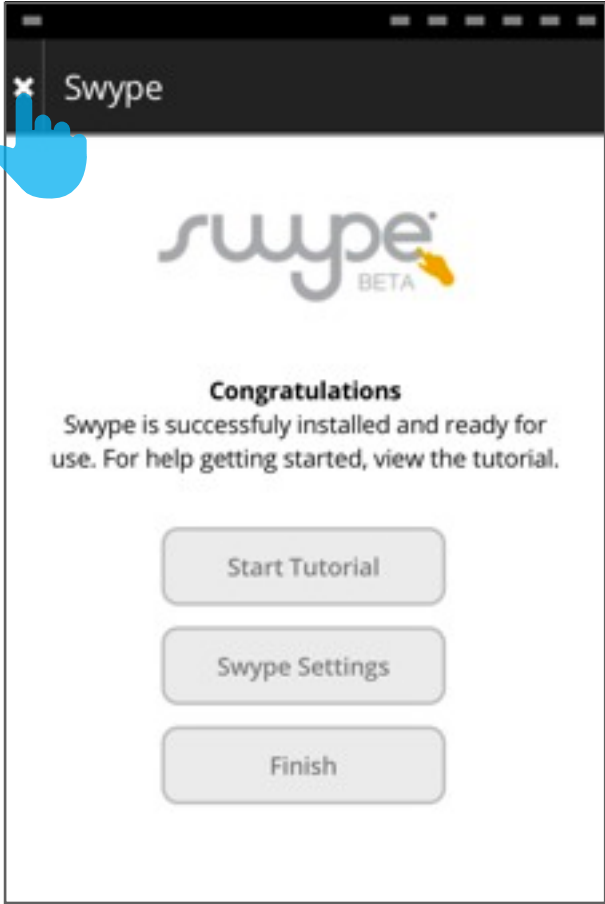
Download and install a new keyboard app.



Prompt user



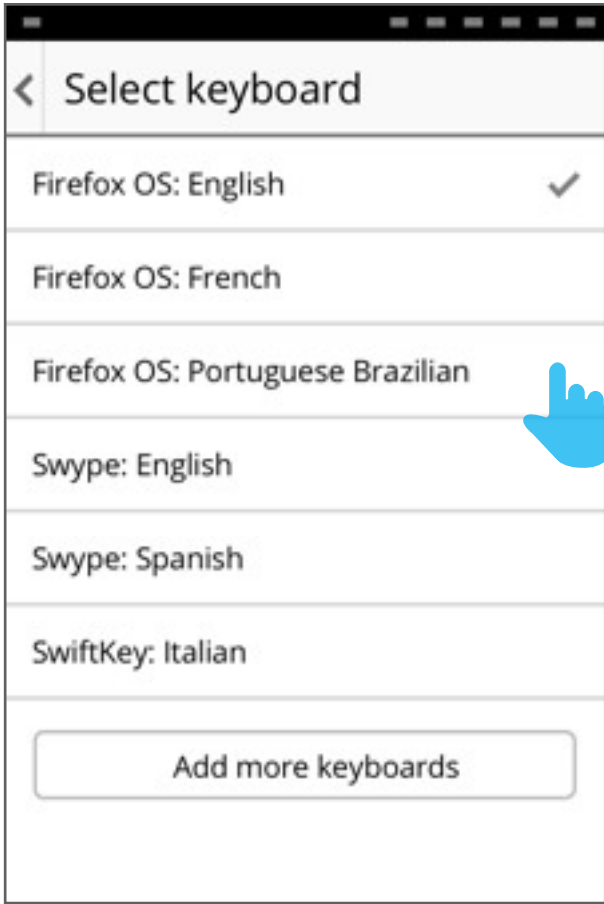
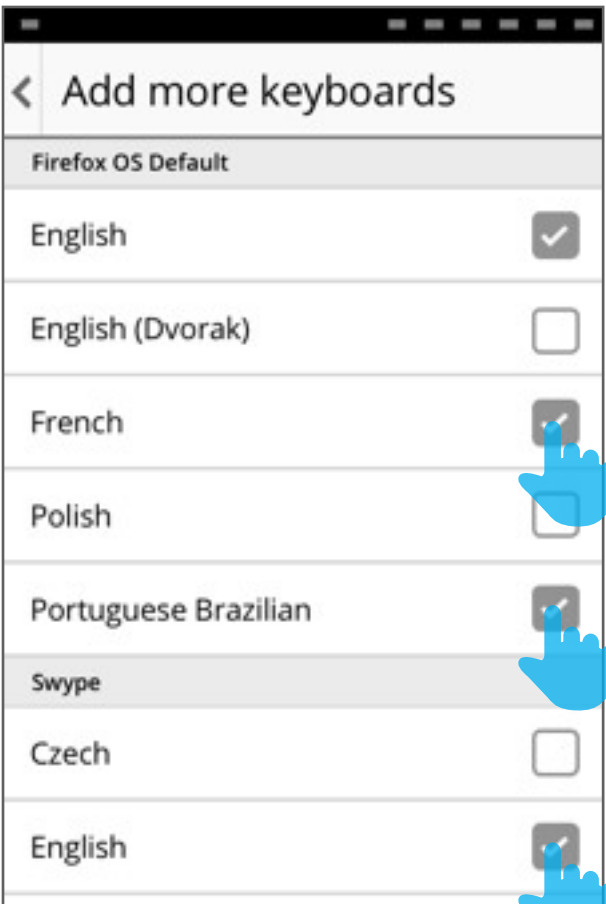
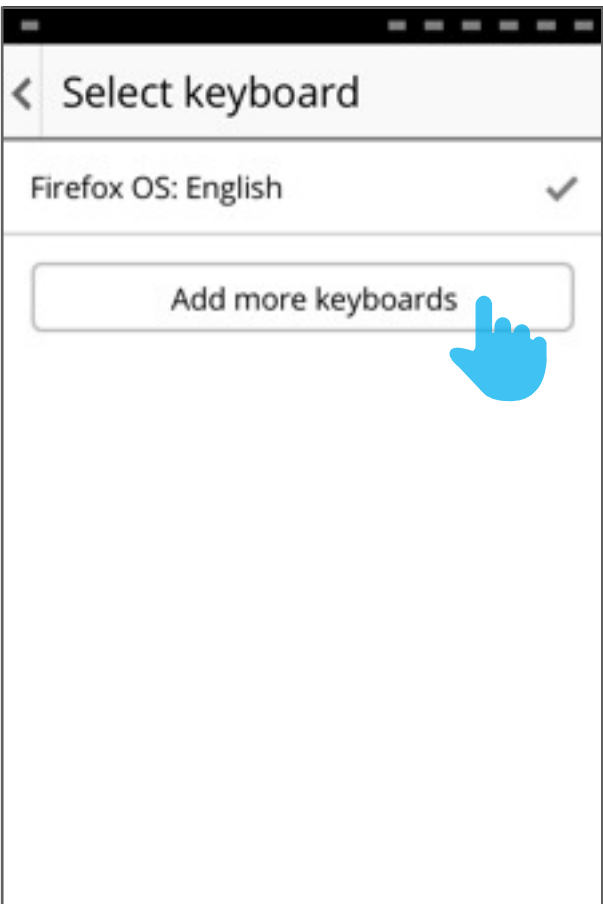
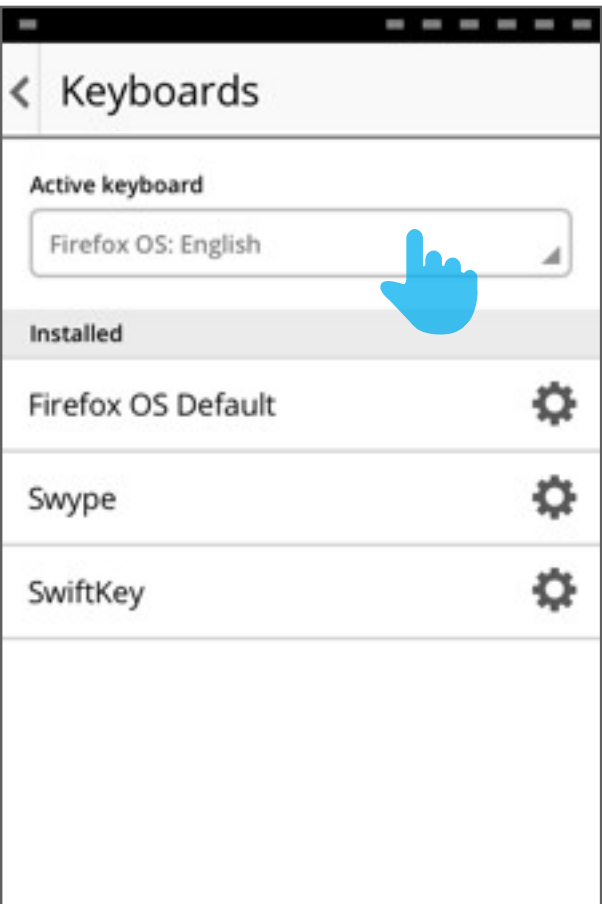
Setup new keyboard from Settings app



Keyboard app opens inside window.open frame.



Change keyboards from Settings



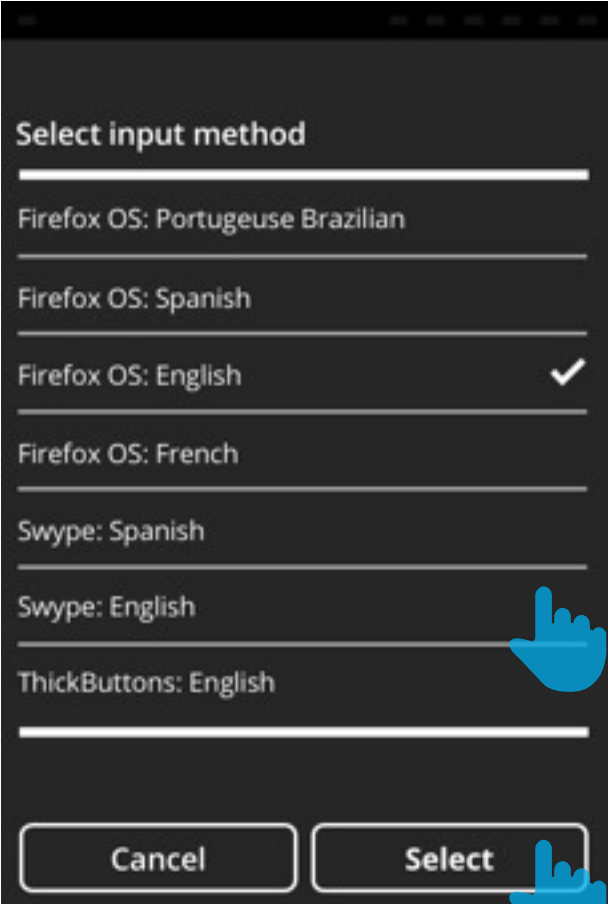
Add keyboards from a list of all available keyboards, grouped by their parent keyboard apps.

Select a keyboard from the expanded list.

Change keyboards from the active keyboard



Open Keyboard selector

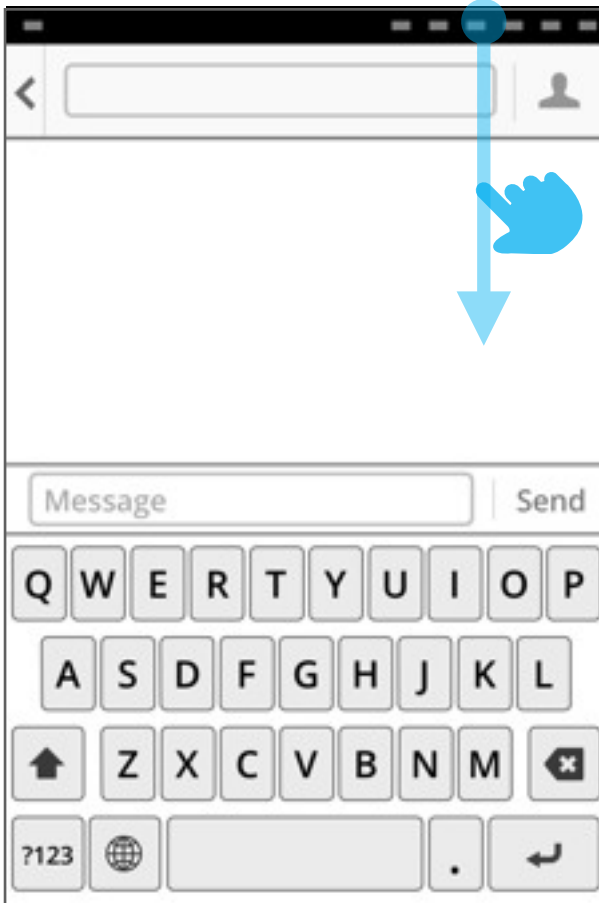


Select keyboard

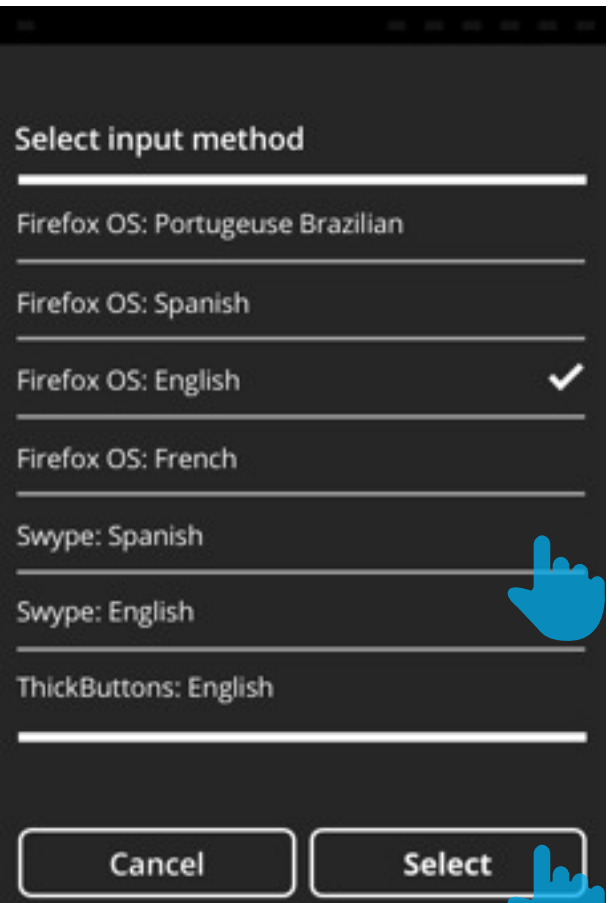
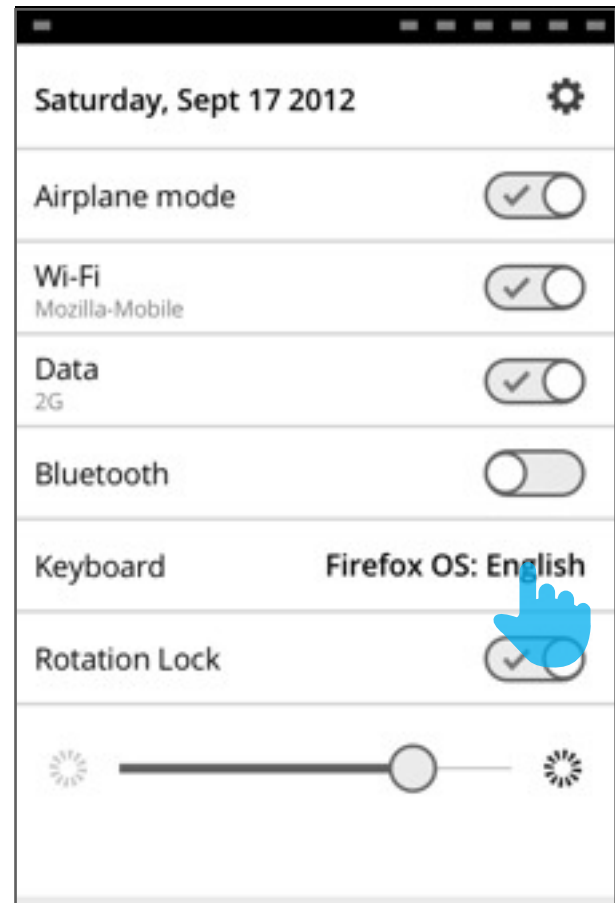


Selected keyboard loads

Change keyboards from Settings Tray
(Proposed future feature)



Open Settings Tray



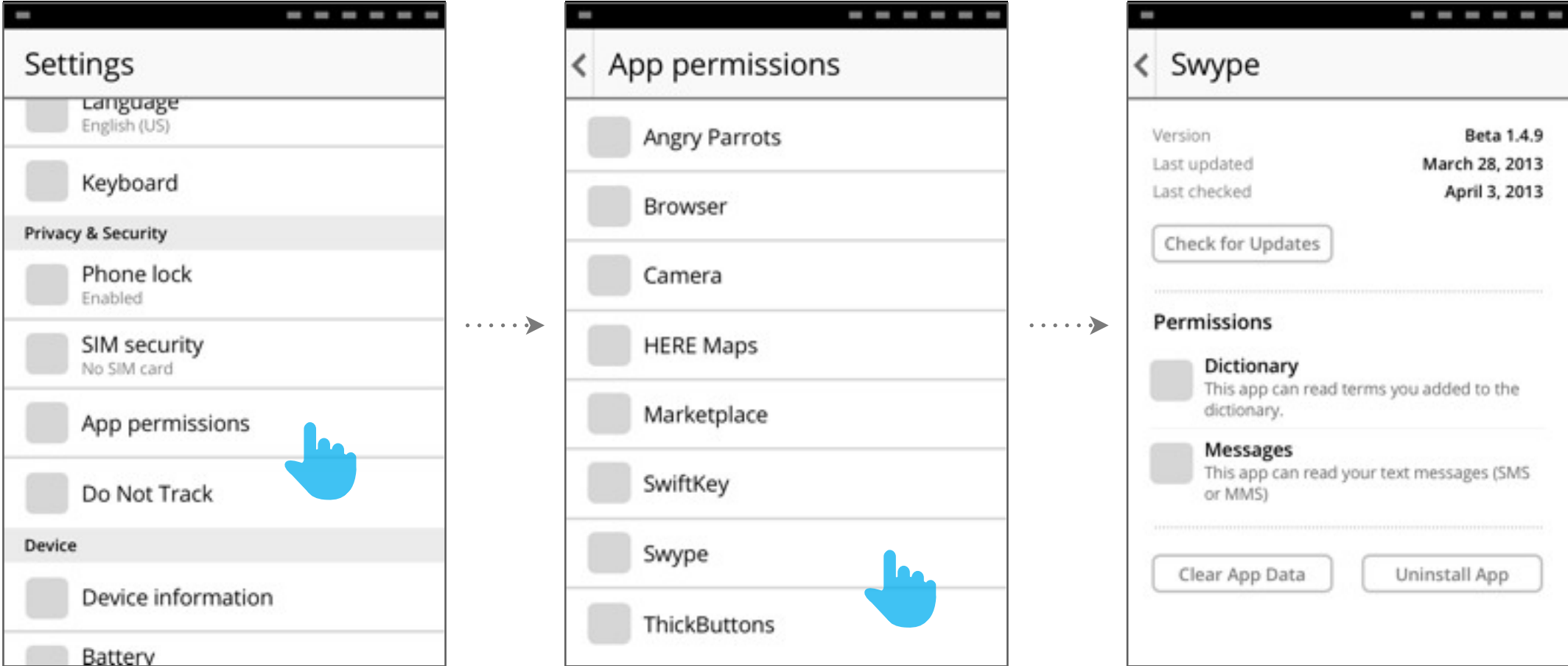
Select keyboard



Selected keyboard loads

The first time the keyboard is used, we should consider presenting a permissions prompt to the user.

Access keyboard from Settings > Apps



Performance

Work in progress...

User selects text field.

Keyboard must appear within **140ms.**

User presses key.

Key pop-up must appear within **140ms.**

User releases key.

Character must be entered into text field within **140ms.**

Word Suggestions & Auto Correction

Coming soon...

Dynamic Hit Targets

Coming soon...

Settings

Coming soon...