

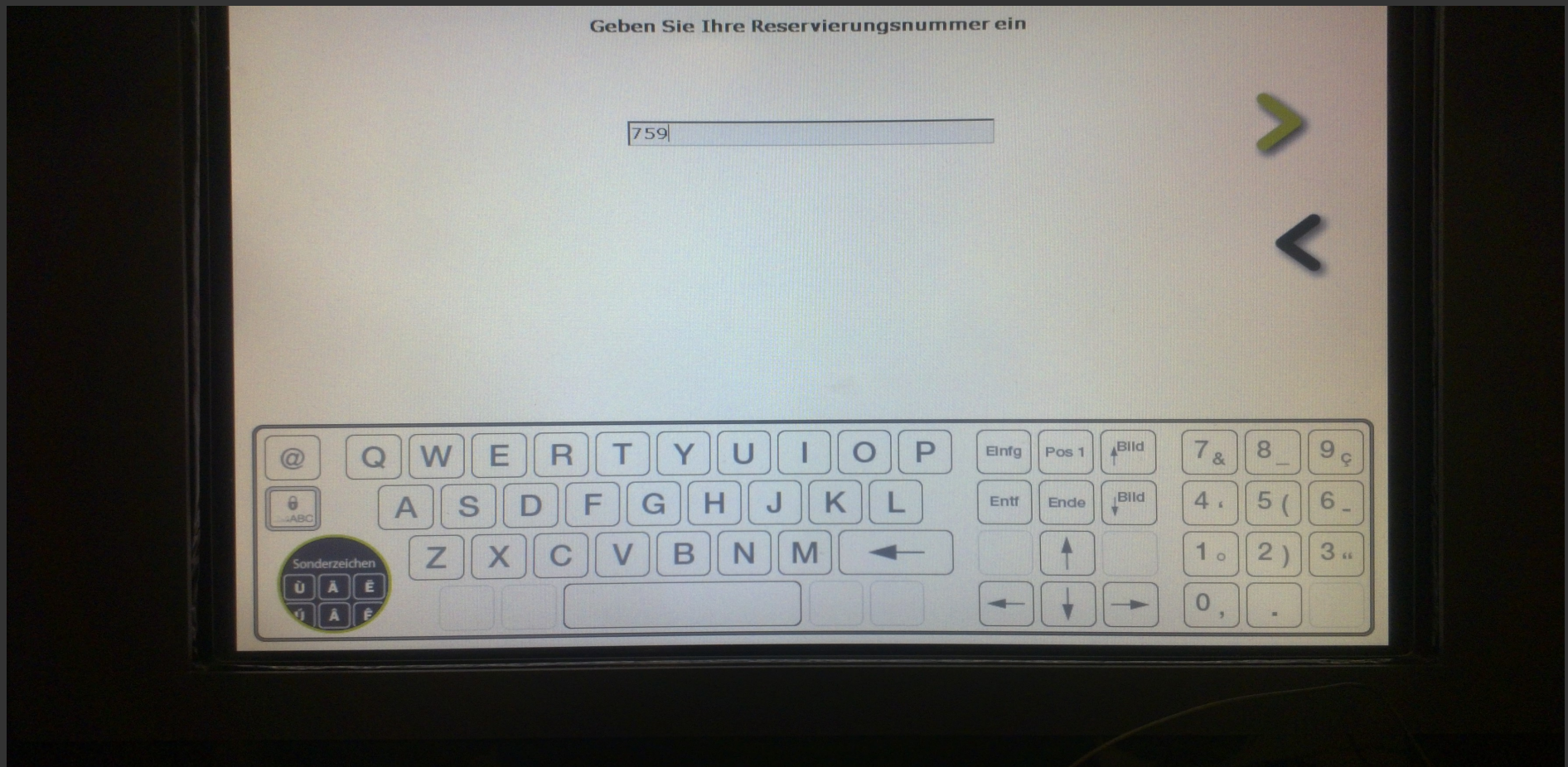
Why mobile text input is hard

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Mobile Text Input? (1)

It's about virtual keyboards,
isn't it?

Virtual keyboards everywhere (1)



Virtual keyboards everywhere (2)



Mobile text input? (2)

- Why is it important?
- Mobile devices increasingly popular
 - Come without mouse or traditional HWKB
 - Touch screens as a general purpose input device
- Text input follows form factors
- Non-western languages
- Also applies to embedded devices

Mobile text input? (3)

- Text input devices
 - Hardware keyboard
 - virtual keyboard
 - voice
 - Text input
 - Text editing
 - Cursor positioning
 - Text selection
 - Copy and paste
 - Text formatting
- ➔ mobile text input = text input methods
+ mobile devices

Text Input (1)

Example application ✕

Mauris pretium vehicula tellus, vitae tristique sapien malesuada a. Mauris vel ipsum ante. Donec faucibus quam sit amet neque rhoncus sit amet egestas eros ullamcorper. Integer laoreet augue eget dui viverra et pharetra dui porttitor. Donec sodales venenatis sollicitudin. Sed sodales lacinia ligula, at fringilla lacus adipiscing in. Nam purus nisi, pulvinar in tristique eget, tincidunt eu ante. Donec eros eros, molestie nec pellentesque ut, imperdiet sed metus. Quisque et erat ante. Pellentesque faucibus consectetur

Text Input (2)

Mauris pretium vehicula tellus, vitae tristique sapien malesuada a. Mauris vel ipsum ante. Donec faucibus quam sit

amet neque rhoncus sit amet egestas
Eros ullamcorper. Integer laoreet
augue|

OK

(virtual keyboard)

Text Input (3)

Mauris pretium vehicula tellus, vitae
tristique sapien malesuada a. Mauris vel
ipsum ante. Donec faucibus quam sit
amet neque rhoncus sit amet egestas
eros ullamcorper. Integer laoreet augue|

(virtual keyboard)

Cursor Positioning (1)

Example application ✕

Mauris pretium vehicula tellus, vitae tristique sapien malesuada at. Mauris vel ipsum ante. Donec faucibus quam sit amet neque rhoncus sit amet egestas eros ullamcorper. Integer laoreet augue eget dui viverra et pharetra dui porttitor. Donec sodales venenatis sollicitudin. Sed sodales lacinia ligula, at fringilla lacus adipiscing in. Nam purus nisi, pulvinar in tristique eget, tincidunt eu ante. Donec eros eros, molestie nec pellentesque ut, imperdiet sed metus. Quisque et erat ante. Pellentesque faucibus consectetur

Cursor Positioning (2)

Mauris pretium vehicula tellus, vitae
tristique sapien malesuada. Mauris vel
ipsum ante. Donec faucibus quam sit
amet neque rhoncus. Vestibulum
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eget dui viverra et porttitor.
Donec sodales venenatibus. Suspendisse
Sed sodales lacinia ligula, at fringilla
lacus adipiscing in. Nam purus nisi,

(virtual keyboard)

Text Selection & Formatting (1)

The screenshot shows a window titled "Example application" with a close button (X) in the top right corner. Below the title bar is a toolbar with three icons: a bold letter 'B', a slanted letter 'I', and an underlined letter 'U'. The main text area contains several lines of Latin text. A portion of the text is selected, indicated by a dashed green border. A yellow dot is placed on the selected text, and a context menu is open over it, listing the following options: "Style...", "Cut", "Copy", and "Paste".

Example application

B *I* U

Mauris pretium vehicula tellus, vitae tristique sapien malesuada Mauris vel ipsum ante. Donec faucibus quam sit tunc que rhoncus sit amet egesta amcorper. Integer laoreet augue ex terra et pharetra dui porttitor. Donec males venenatis sollicitudin. S lacinia ligula, at fringilla lacus adipiscing in. Nam purus nisi, pulvinar in tristique eget, tincidunt eu ante. Donec eros eros, molestie nec pellentesque ut, imperdiet sed metus. Quisque et erat ante. Pellentesque faucibus consectetur

Style...
Cut
Copy
Paste

Text Selection & Formatting (2)

Mauris pretium vehicula tellus, vitae
tristique sapien malesuada a. Mauris vel
ipsum ante. Donec faucibus quam sit
amet neque rhoncus sit amet egestas
eros ullamcorper. Integer laoreet augue
eget dui viverra et pharetra dui porttitor.
Donec sodales venenatis sollicitudin.

B

I

U

Copy

Paste

Close

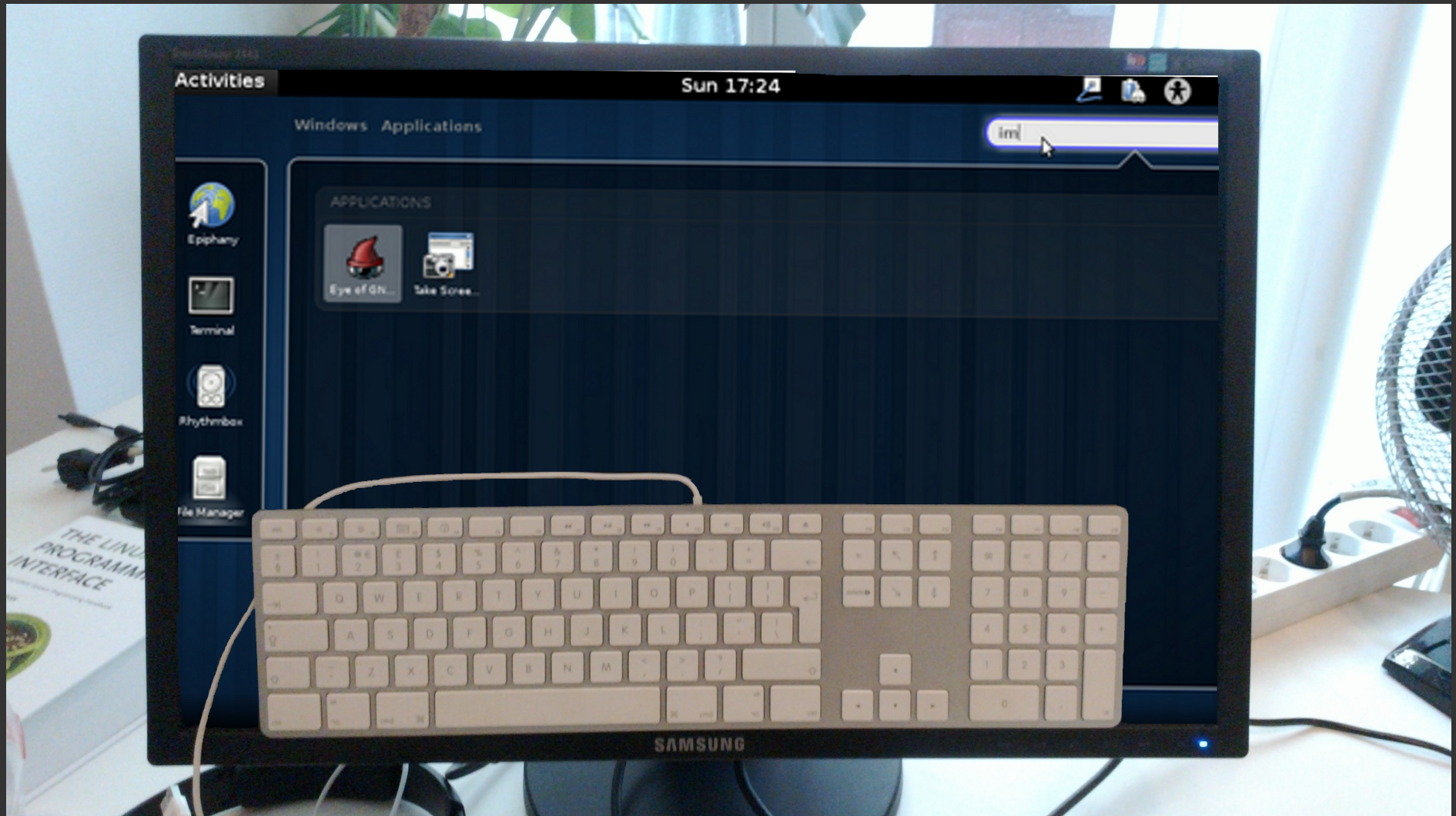
(virtual keyboard)

Text Selection & Formatting (3)

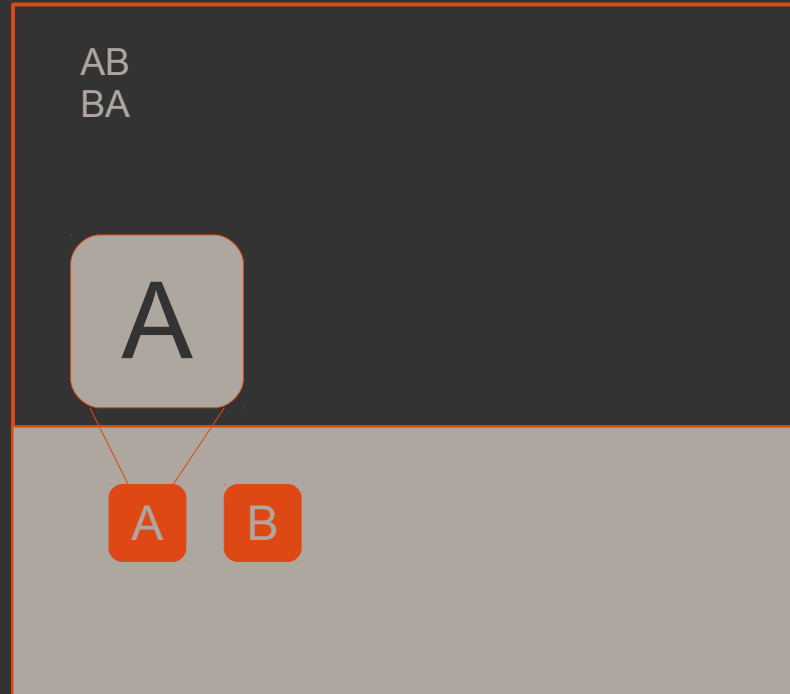
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eget dui viverra et pharetra dui porttitor.
Donec sodales venenatis sollicitudin.
Sed sodales lacinia ligula, at fringilla
lacus adipiscing in. Nam purus nisi,

(virtual keyboard)

The perfect virtual keyboard



Multi touch



Get in touch

maliit.org

Questions?
