Patterns – Tanner Shimanek

**Name:** QWERTY Keyboard layout

**Context:** Users want to be able to use any computer with an optimized and uniform layout. A uniform layout allows users to use any computer without needing to re-learn the inputs. The user also wants an efficient layout that allows speed and ease of use.

**Problems**: There are millions of different types of computers in existence. Users should not be expected to study basic inputs for each device. The alphabetic arrangement has been found confusing by users. So, there needs to be a uniform arrangement that is easy to use and optimizes efficiency. Some characters are used more frequently than others, forcing once hand to do more typing than the other.

**Forces:** Many languages have unique characters. Chinese or Korean characters are not useful for English or Spanish speakers. Typing speed needs to increase to optimize time for sending messages or computer inputs. Lastly, vowels are used more frequently than other characters.

**Solution:** Keyboards will use the same qwerty layout and can display dual language keys. These keys can also be swapped out for specific languages. It also groups frequently used characters are spread out and not grouped together.

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**Examples/Sketch:**

**A picture containing text, electronics, keyboard

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