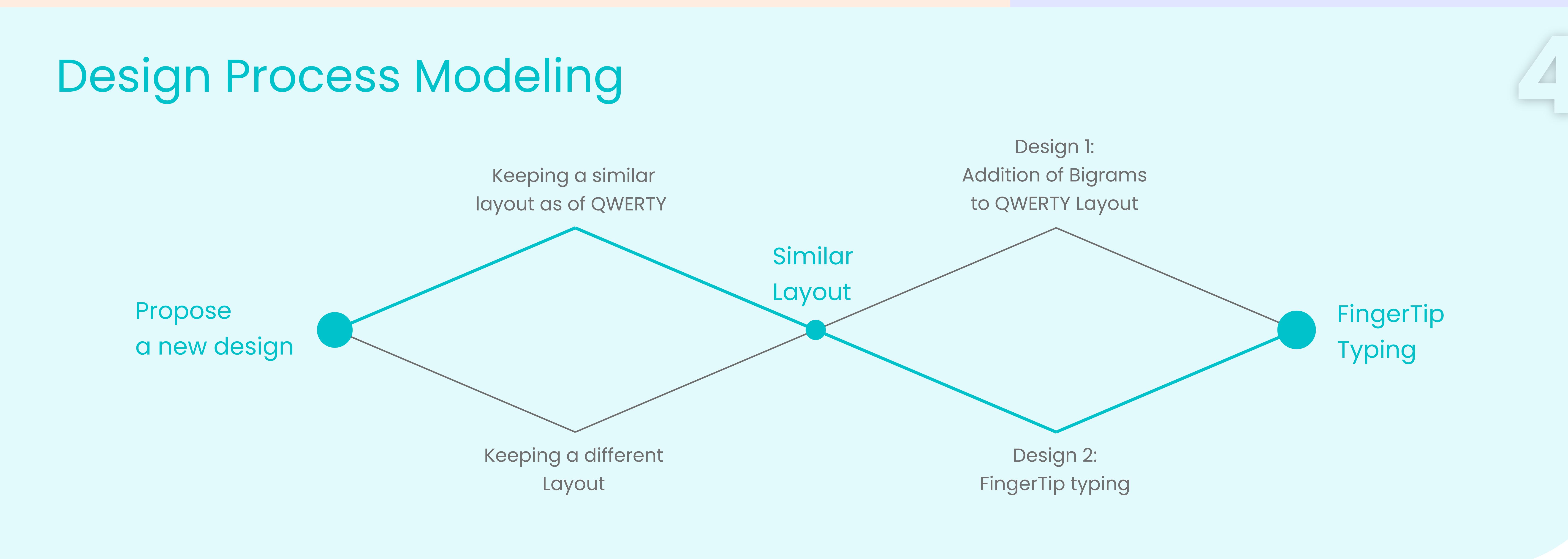
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Proposition of Keyboard Design based on Spatial Mnemonics of QWERTY Layout

Abstract

The Purpose of this research Project is to enhance the user experience of the QWERTY keyboard design by keeping the same layout. Spatial Mnemonics of QWERTY restricts the change in design as the curve of learning a new keyboard design is quite steepe. So keeping all the aspects of QWERTY **we have enabled user to write using their already built-in muscle memory by typing on their fingertips**. So in this project a journey from the importance of QWERTY to the Fingertips typing is involved and research processes are explored in depth.



Introduction & Background

Why to keep layout similar like QWERTY? QWERTY Keyboard has a lot of importance in our typing world. This layout is widely used in all over the globe. Many other Layouts like DVORAK & COLEMAN proved to be more user friendly and efficiently by shifting their most of the typing towards home keys. But none of these layouts get attraction of users widely because of its **steeper learning curve.**

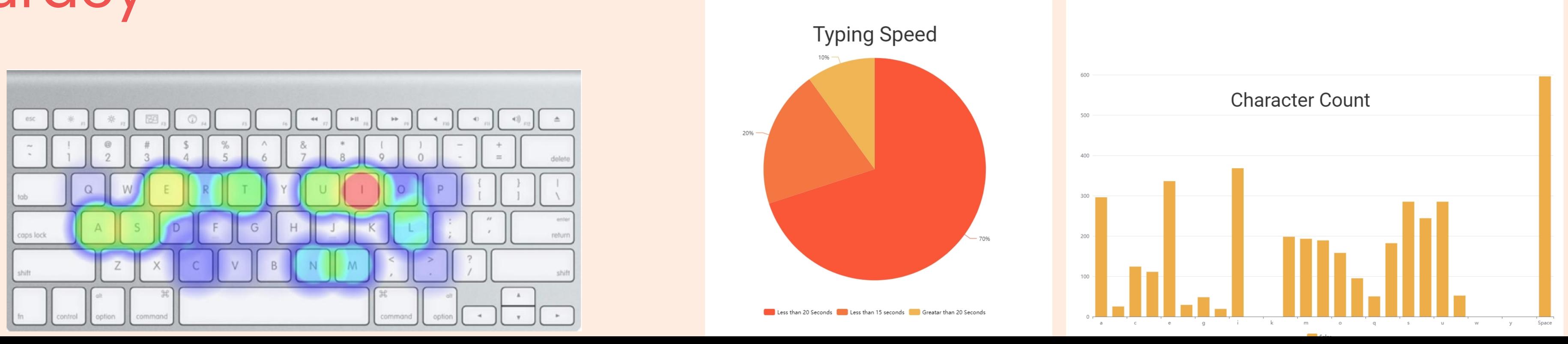
What are we doing? We have designed a external mini keyboard that can be worn at fingertips. People can type easily without even watching by using their fingertips. Initial learning of muscle memory is needed.



Research Process

Initial research was followed by the available literature and then we performed tests to categorize users. Users were categorized in two groups High typing Speed (We selected our target audience) Low Typing Speed Further tests were taken by users's typing and recorded via video and mapped on keyboard using heat Map. The results were clear that People recorded high accuracy High Typing speed

Easy Learning



Goals & Achievements

Our Goal was to Increase typing speed, High accuracy, Ease the learning curve.

What we have achieved so far
Easy Learning
High speed typing as compared to DVORAK
& COLEMAN
Higher accuracy as compared to DVORAK &

COLEMAN