Sensovate

An Early-Stage User Experience Testing System for Oral Healthcare Devices

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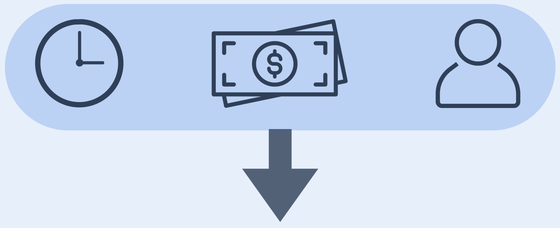
BACKGROUND

User Testing requires interaction between users and high-fidelity prototypes.



SLOWER PRODUCT DEVELOPMENT

How can we understand the **SENSATION** and **PERCEPTION** of Mechanical Experiences of Oral Healthcare Devices?

OUR PROCESS

I. EXPLORATORY RESEARCH:

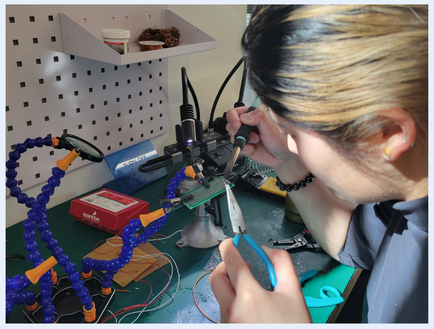
We conducted user diary study, spoke to JHU and Philips experts, and mapped out regions of interests related to the mouth.

II. IDEATION:

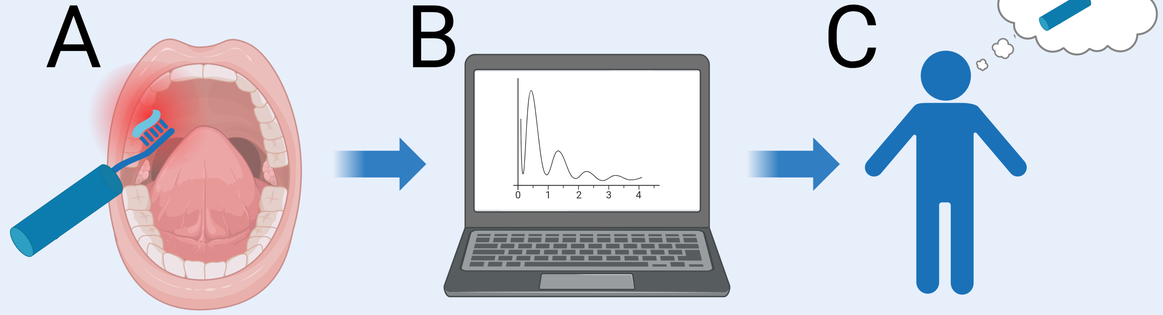
We ideated solutions to problem components and "Frankenstein-ed" sketches together to rank them based on design requirements.

III. PROTOTYPING:

We built prototype iterations, incorporating regular feedback from our direct users—allowing easy adaptation to evolving user needs.



OUR SOLUTION



Our solution is designed with an "A-B-C" Framework, where A represents mechanical experience, B represents sensation, and C represents perception.
We determine the functions that take us from A to B to C.

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