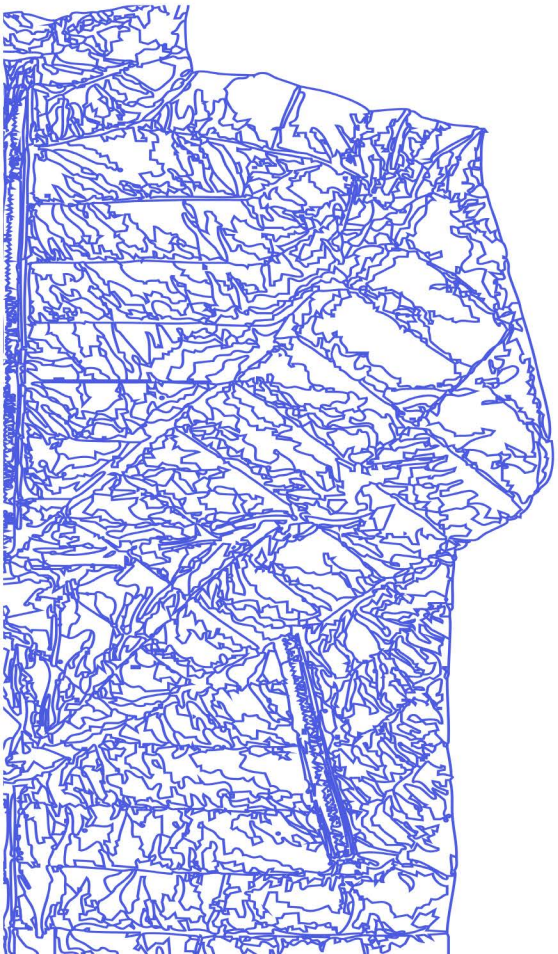
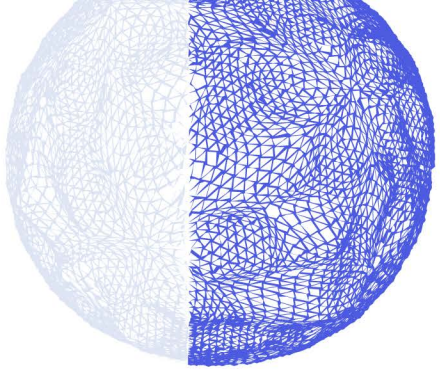
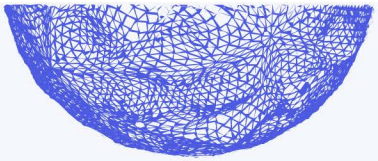
In Good Trim is the world's very first smart health-tracking jacket meant to join you on every journey--in style.

For those who want to enjoy a quiet stroll to those who are confidently traversing the world, this jacket will accompany you on every adventure, tracking every accomplishment.





IN GOOD TRIM

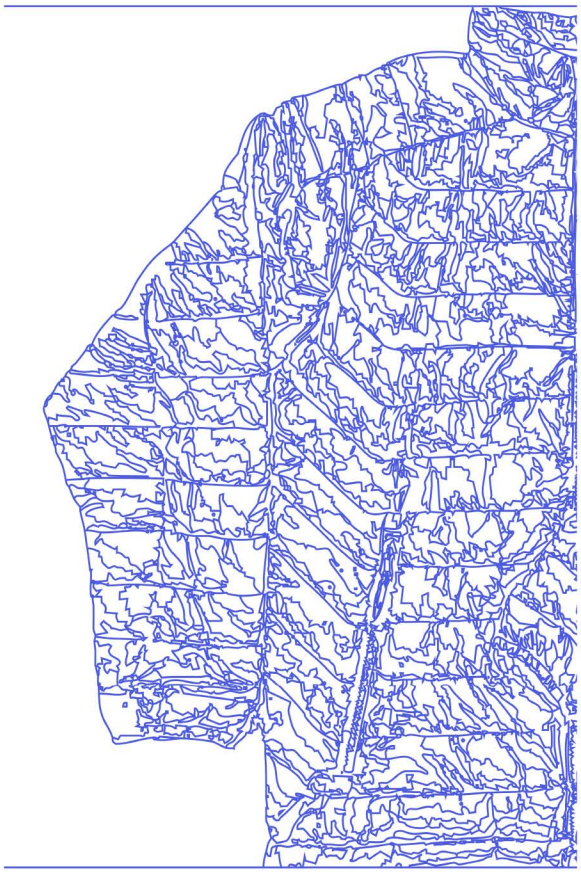


LEYAH WINTER, HARRISON PAUWELS, ADESEWA ADESIDA, BRANDON BROFSKY

INFO691: Prototyping the User Experience

PROTOTYPE #2

Physical Models



BIOMETRIC DATA

- Skin Temperature
- Heart Rate
- Breathing
- Blood pressure

The jacket provides you with skin temperature readings, outside temperature readings. It also offers heart rate and breathing monitoring as well. At the cuffs of the sleeves, the wearer can initiate a blood pressure test and get results with 85% accuracy.

SMART TECHNOLOGY

Connect to your smartphone

All data reads sync directly to your phone, along with text messages and phone calls through the collar of the jacket.
Enable In the zone mode which has noise canceling, so you can listen to all your favorite songs through the collar of the jacket as well.

Track your journey

Sensors woven into the jacket help track speed, wind direction and route information.

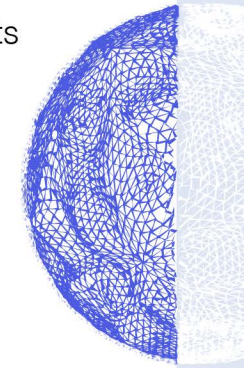
EMPOWERING YOU, WHATEVER THE WEATHER.

THE FOCUS:

The goal for this project was to create a prototype that represents the practicality of a jacket that monitors health data and offers certain smart features. One vital component is ensuring that the jacket does not make the wearer too hot or too uncomfortable. One challenge would be to design a jacket that has all of these amazing features, but is not heavy, especially for the more active wearer.

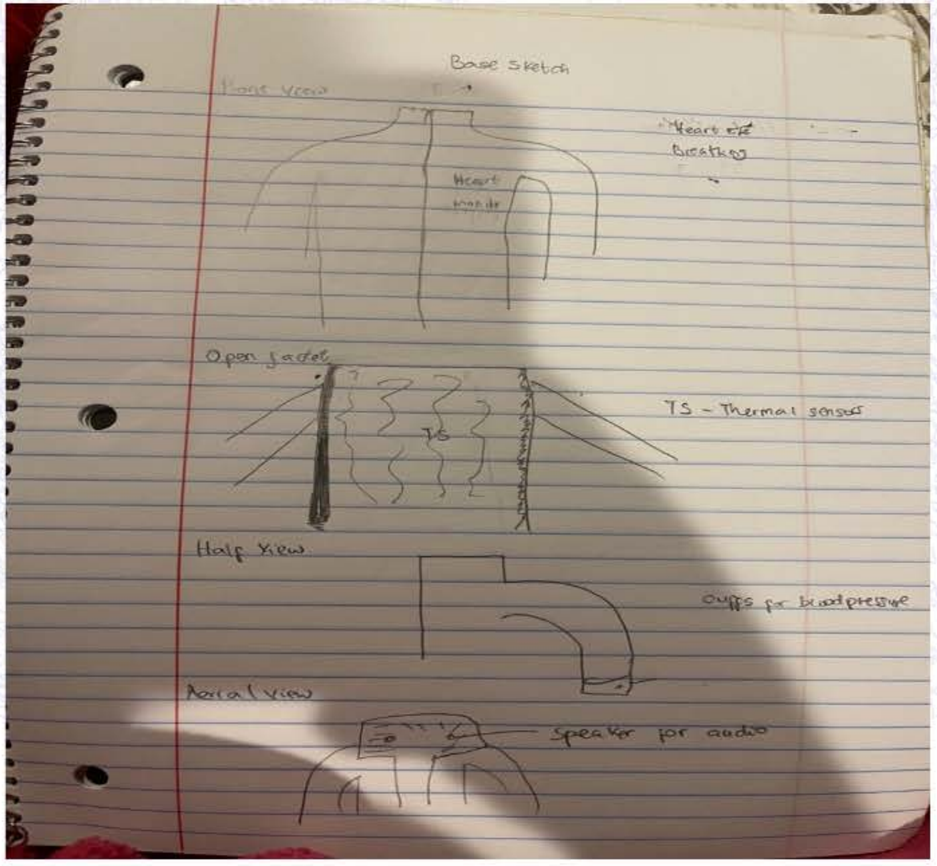
THE PROCESS:

- Start Sketching
- Get User Feedback
- Narrow down the results
- Defend the design



IDEATION

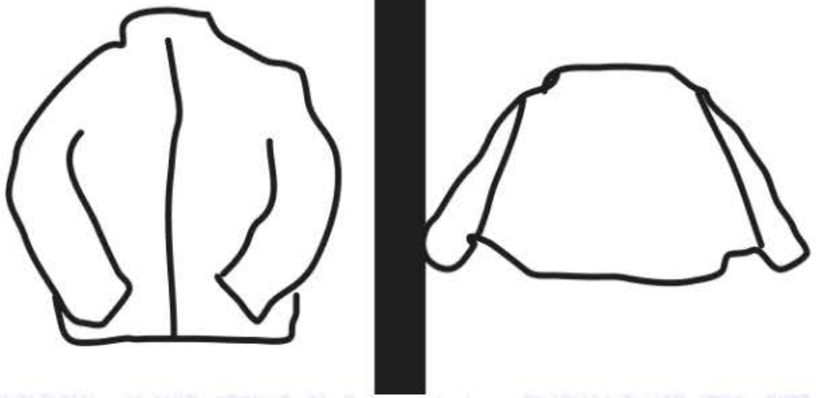
SKETCHING

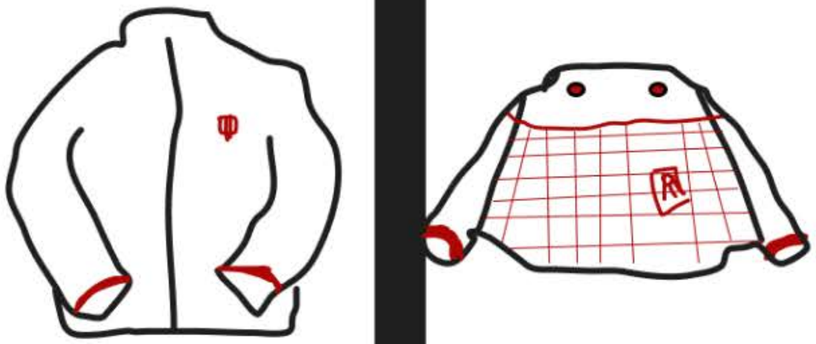


DIGITAL ANNOTATION

IDEATION

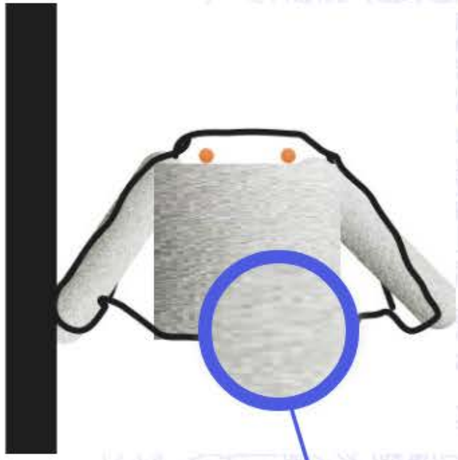
Tracing





Tracing with features

Final Sample



sensors are covered by padding to prevent radiation close to the heart

FEEDBACK

UX Designer, Sope Lartey:

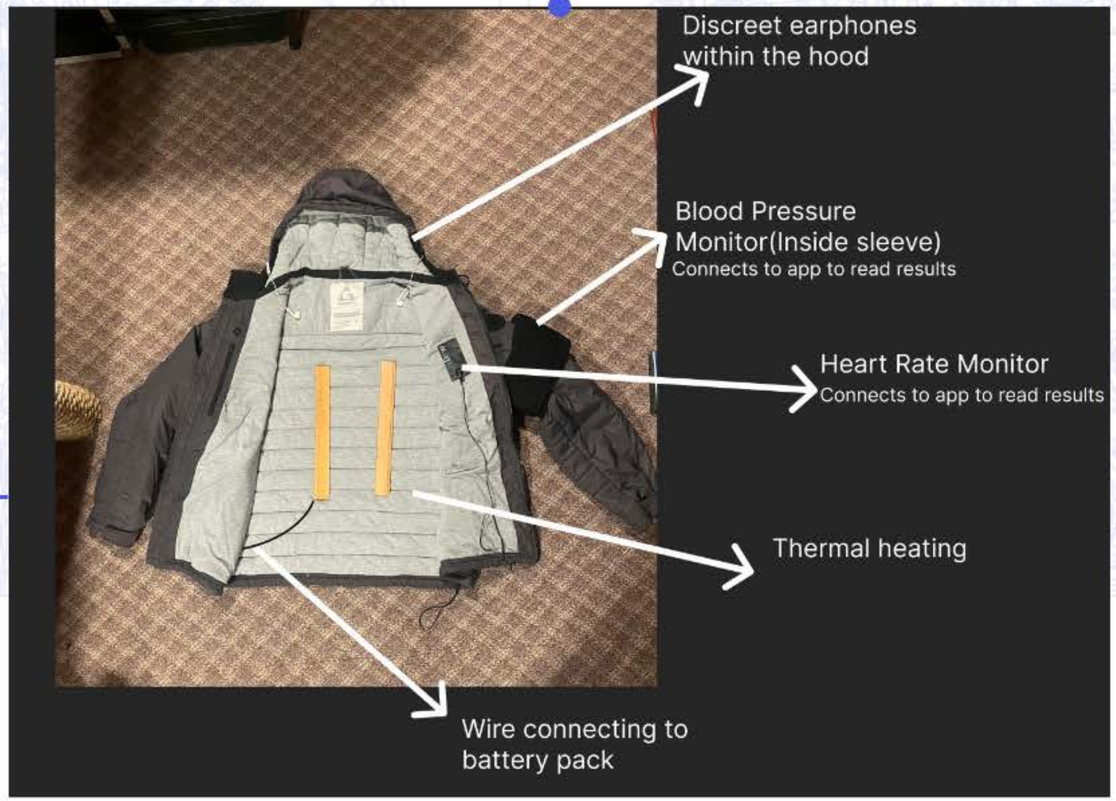
“Your sketches were very thorough and easy to follow, my only feedback is about the attractiveness, I feel to make this more presentable Photoshop would have been a better choice. Especially because you can make the images actually match the outlines of your drawing in photoshop. I think you will eventually learn these but good start and when can I buy this jack of all trades jacket?”

Product manager, Aderinsola Adesida:

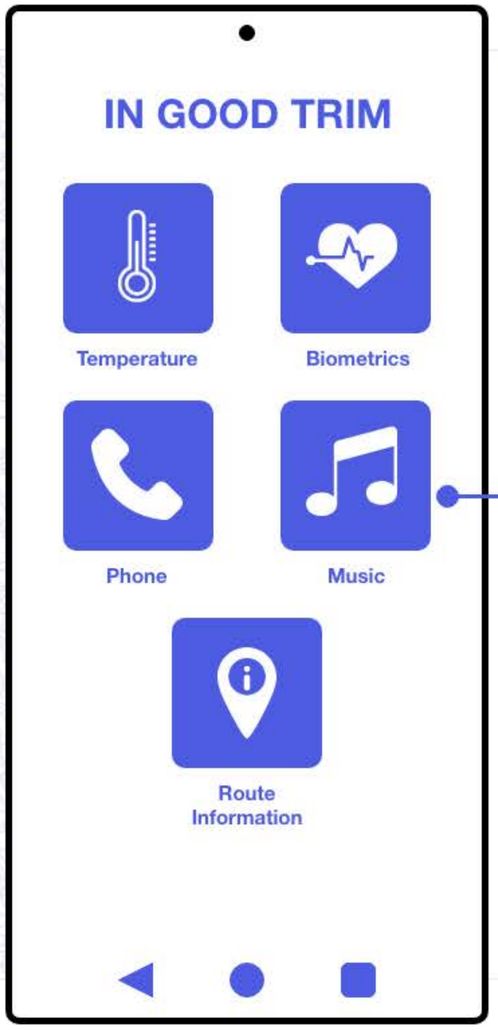
“The sketches do an excellent job of capturing the form and gives a solid base for placing other elements. Using different line styles or colors could help indicate areas that will feature extra layers or reinforcements, which would add clarity and show the layout’s function at a glance for a potential user. With the tracing that includes additional features, the design becomes more detailed and user focused. Labeling key elements, such as where the sensors and padding are located, would make it more user-friendly, giving an immediate sense of the design’s layout and intended functionality. Finally, the sample that shows the placement of padding over sensors near the heart is a strong representation of safety considerations. The attention to sensor protection is a great touch that prioritizes user well-being. For added clarity, a brief note on how the padding impacts both comfort and sensor function would round out the user perspective, ensuring the design is as safe as it is functional.”

PROTOTYPE

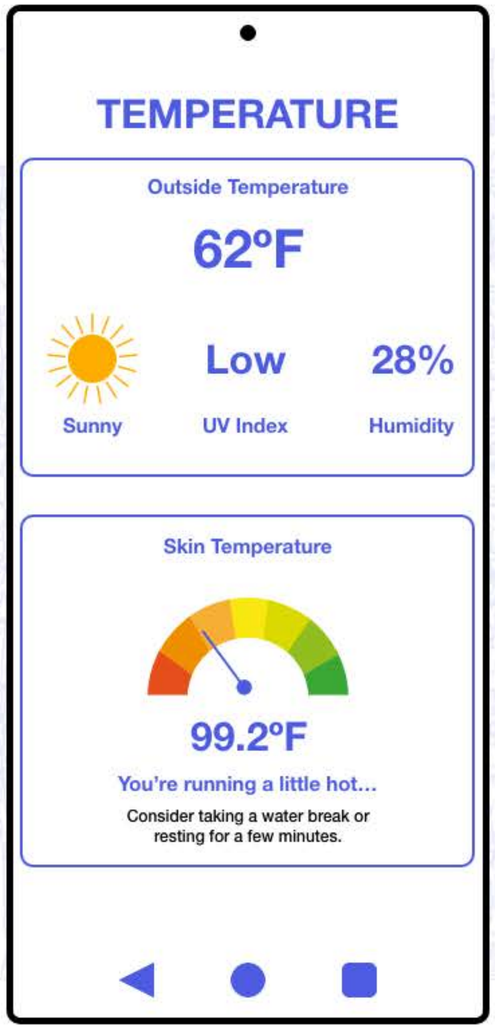
View Loom Video

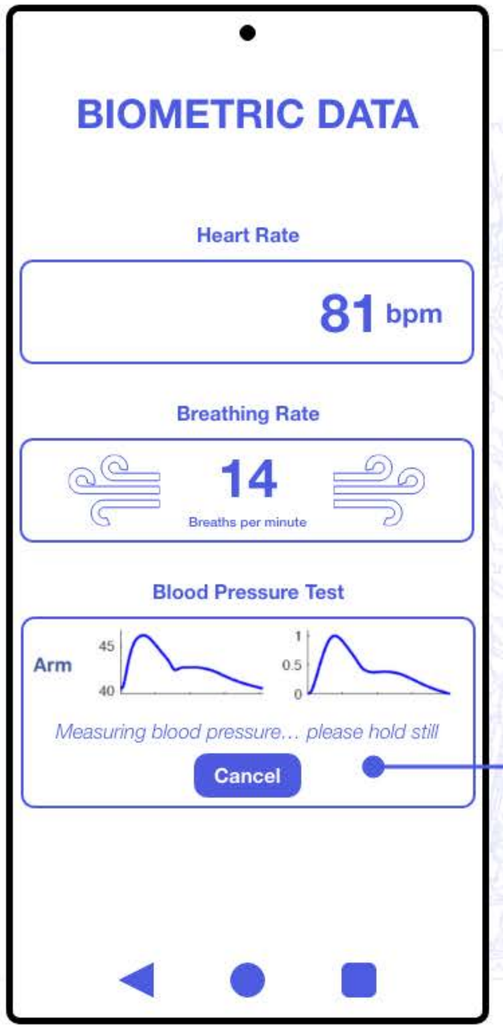


USER INTERFACE



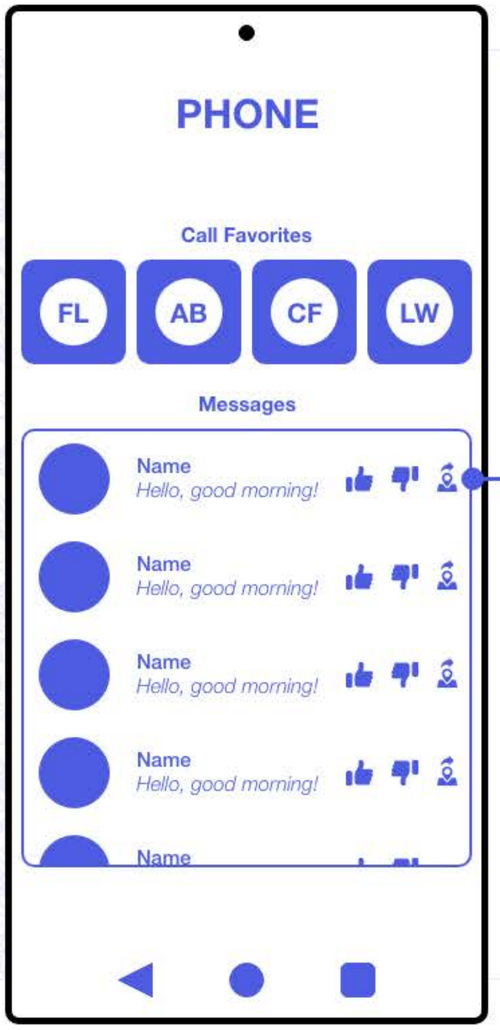
Quick Access Buttons



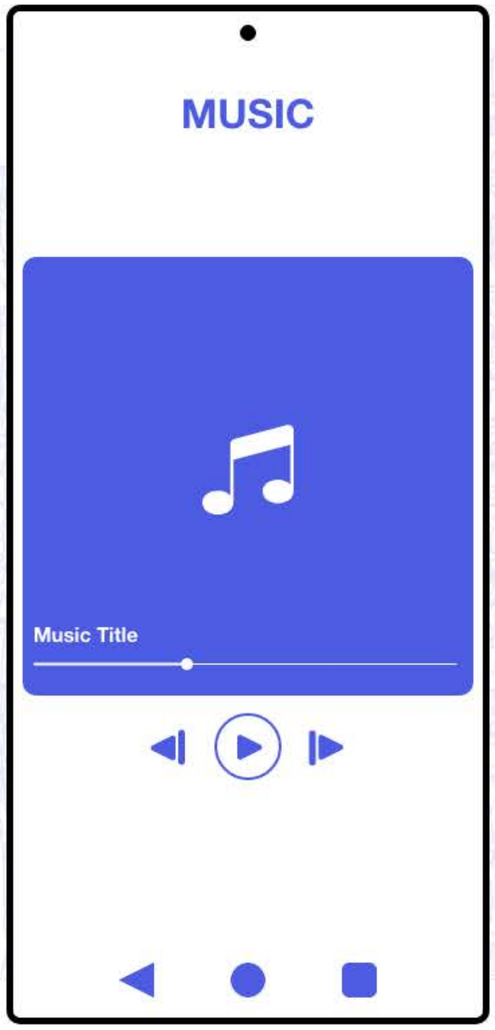


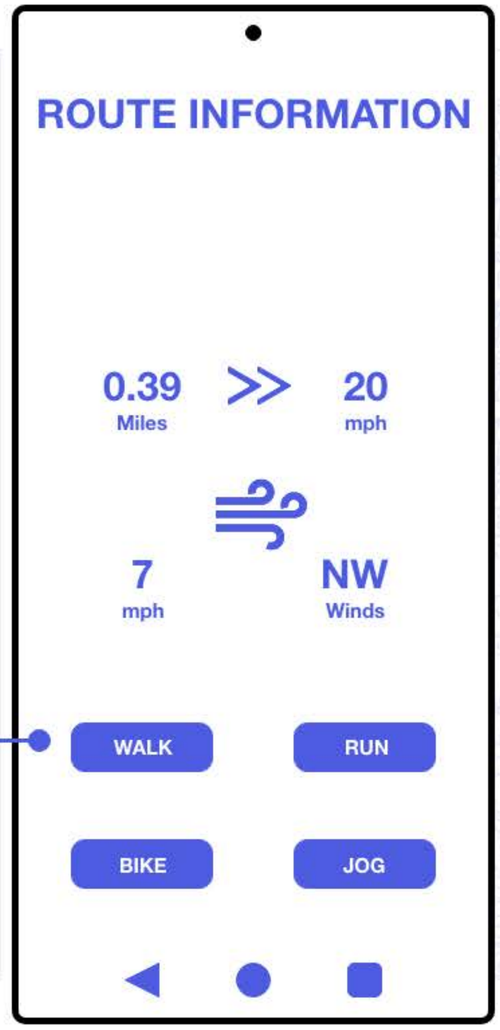
User initiates blood pressure test

USER INTERFACE



Share route information with contacts





Track route information based on activities

DESIGN JUSTIFICATION

Our Team initiated the design process for the “In Good Trim” smart health-tracking jacket with initial sketches to lay out potential design options. We focused on integrating key features like skin temperature, heart rate, and breathing monitoring in a way that feels natural for the wearer. A key step for us was storyboarding various scenarios as this helped us visualize the jacket’s functionality in different real-world settings. This allowed us to identify critical components like the sensor placements and comfort considerations.

Following our storyboarding, we gathered feedback from both a UX designer and a Product Manager to understand how our design aligned with user expectations. Their insights highlighted the need for clear representation of elements like sensor placement and padding for both aesthetic and functionality. To address this, we implemented varied line styles and annotations in our sketches, ensuring that the design’s layout was user-friendly and convenient.

Next, we developed wireframes for a mid-fidelity interface, allowing users to interact with the product via a connected smartphone app. This app would sync health data in real time, enabling users to be able to track metrics like heart rate, skin temperature, and journey tracking. Additionally, there would be a “Zone Mode” that includes noise-canceling and music features.

User feedback was at the center of focus for each version that we designed. We aimed to enhance accessibility and user experience by making our jacket design simple and minimalistic. This approach allowed us to create a prototype that balanced functionality with comfort and style and ultimately created a balanced and user-centered product.