

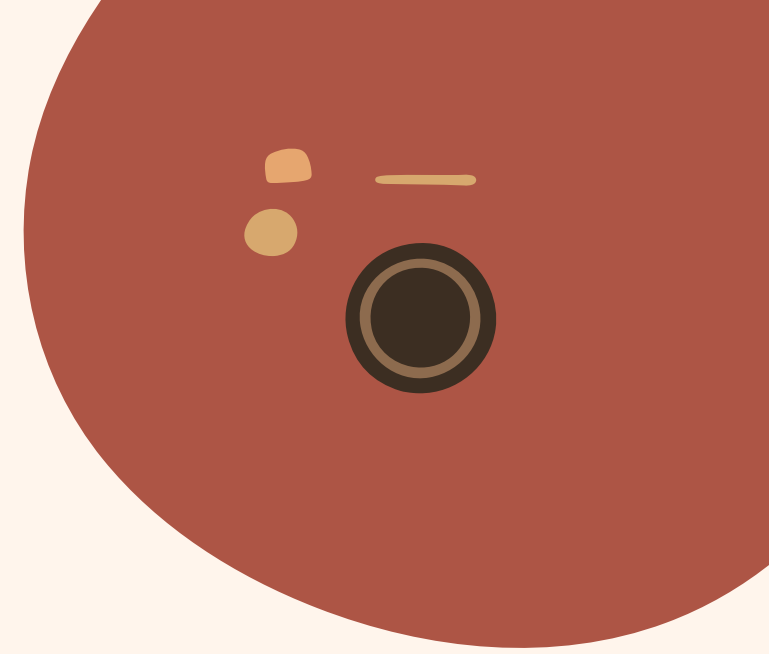


SICURA



START

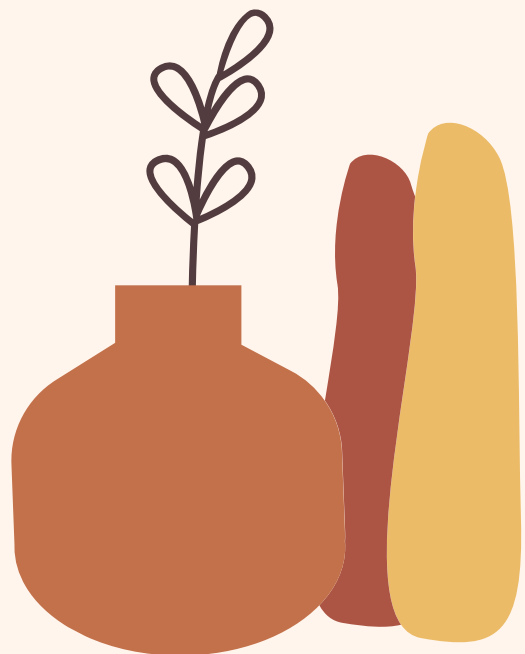


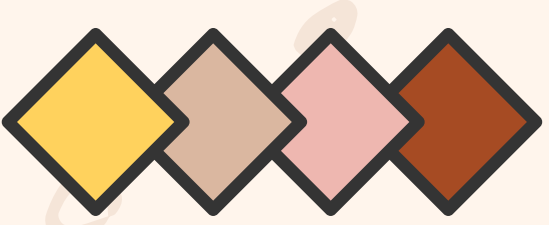


The Team

Sravan
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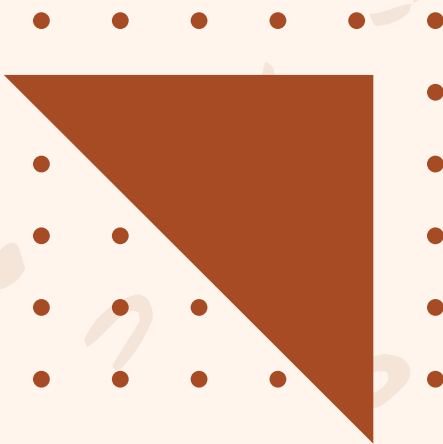
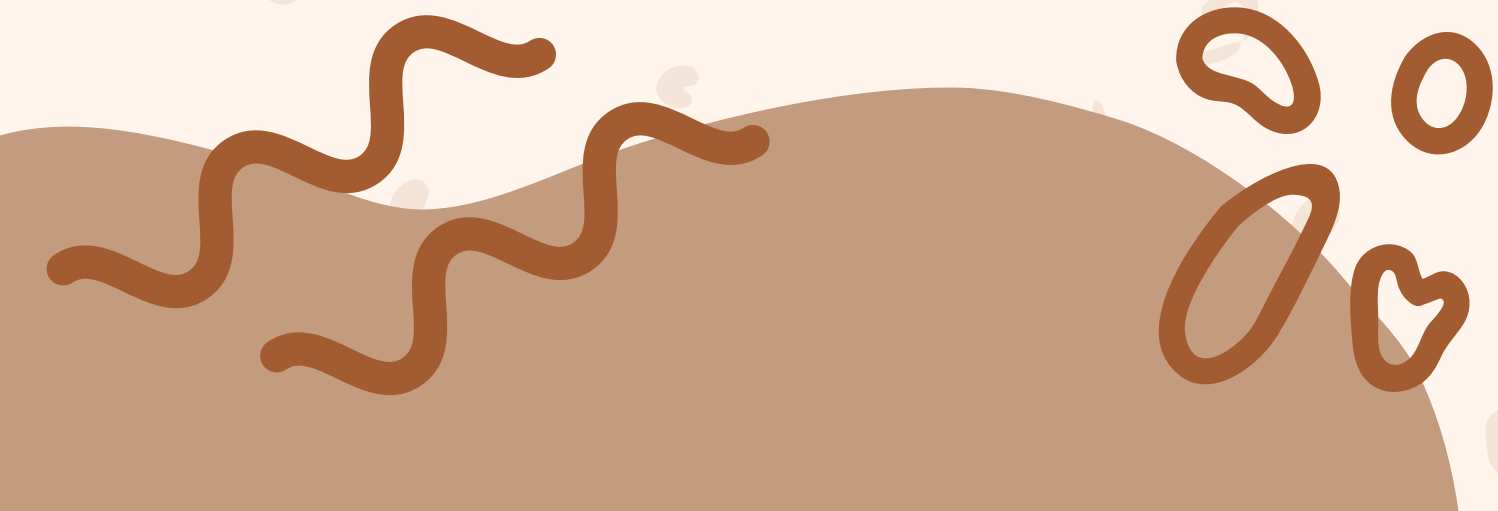




Solution

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The idea behind Sicura is to keep an eye on the wearer and notify cared ones if something unfortunate has happened.



Project Goals

1.

Our initial goal was to create a wristband that would sense for spiked/extremely low heartrates, as well as if the wearer had crashed etc with further scope for voice control. The hardware was supposed to eventually be a wristband, comfortable and wearable for elderly age people etc.

2.

Our android app idea was to make an app that shows your heartrate and step count in real time, along with the battery percentage of your wristband, and display it. In case of a crash, it sends you the notification to confirm whether you are okay, otherwise would immediately call an emergency contact if needed.

Components Used



SEEDUINO
XIAO BLE
SENSE



MAX 30102
SENSOR



Result and Future

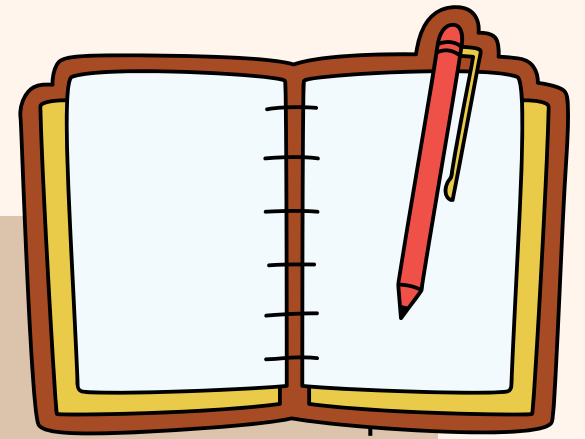
Result

After the first few tries, the heart rate and probable crash shows on the program. As well as the battery percentage.

Future

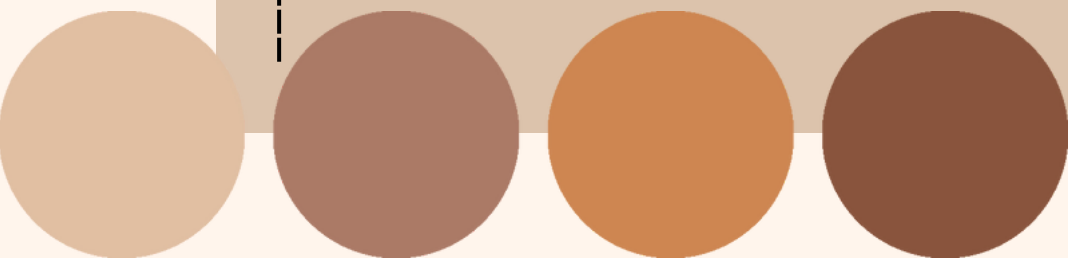
In future, with a working mobile application we wish to integrate more features such as voice recognition in case of emergencies, call and notification to your loved ones in case of a huge impact sensed etc.

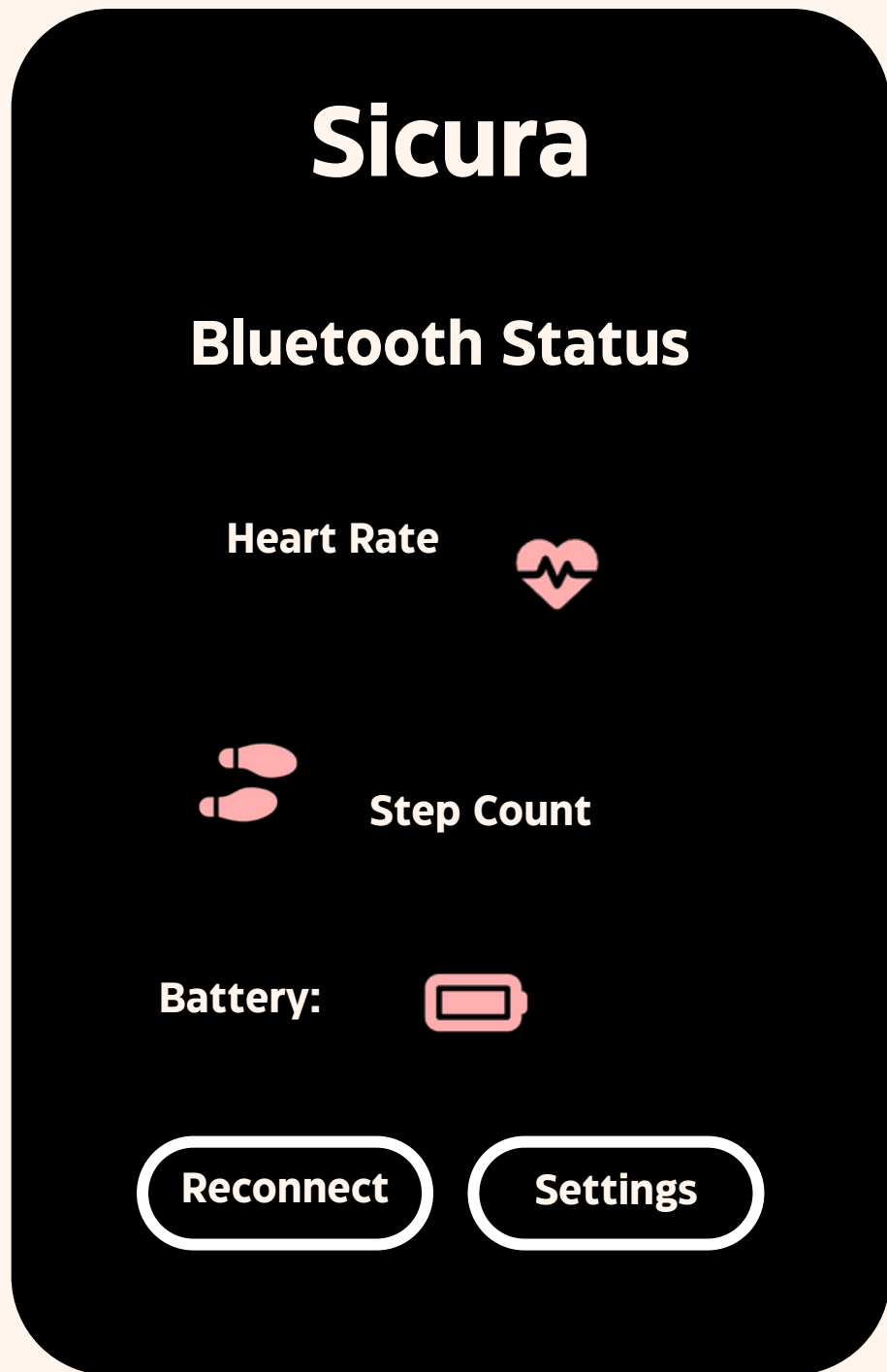
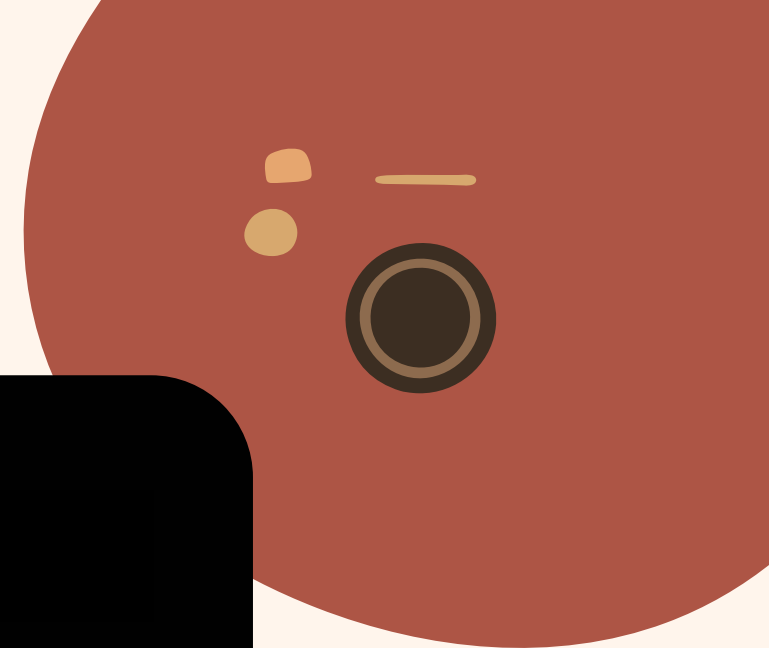
Conclusion



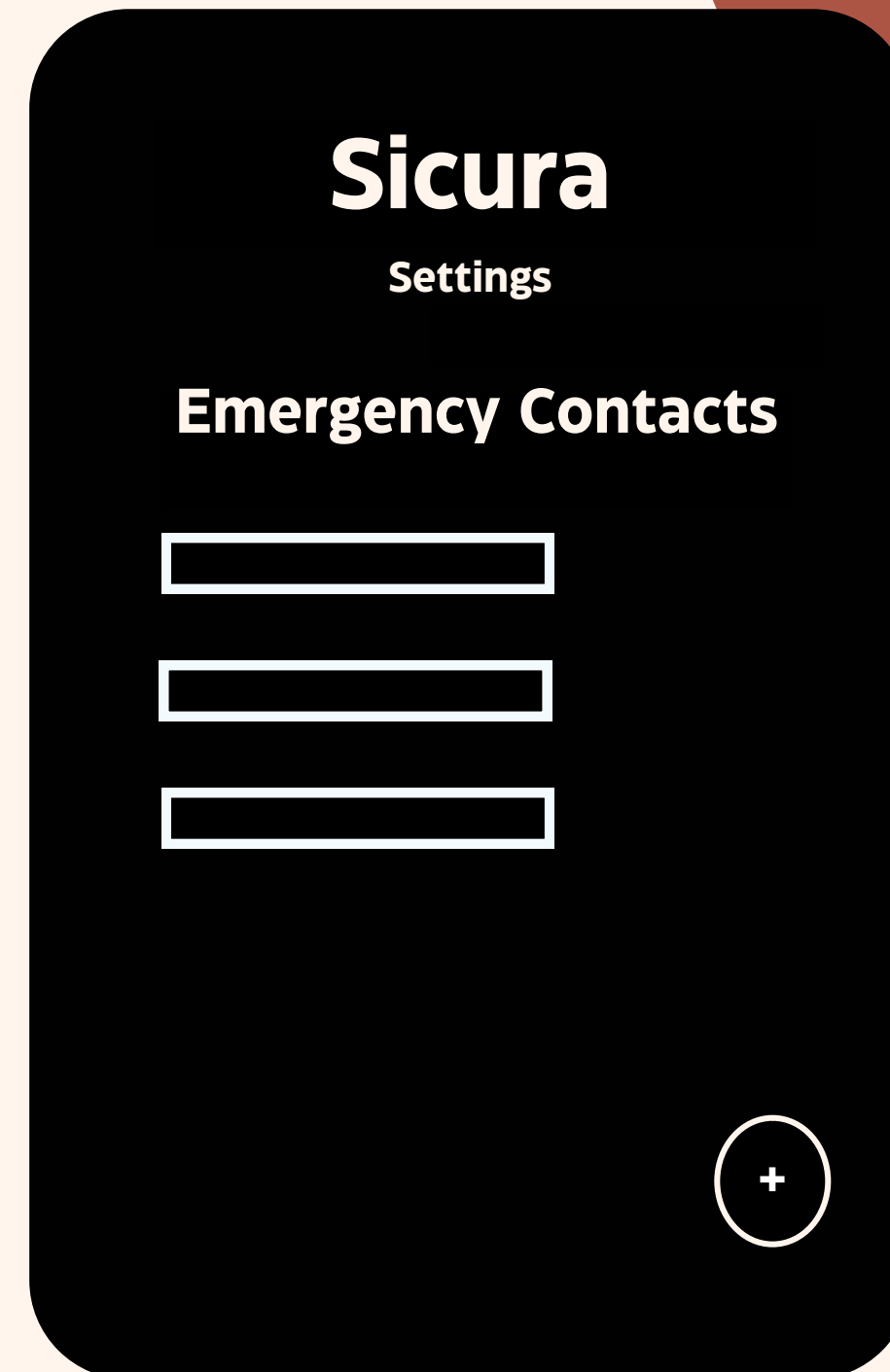
With plenty of scope for development, Sicura's current version aims to develop a wristband of sorts that can detect falls and crashes (potential injuries), while also keeping an eye on the heart rate, step count etc of the individual.

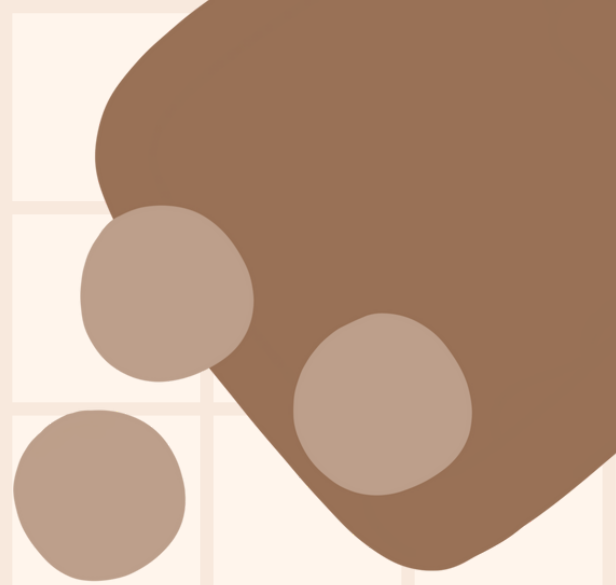
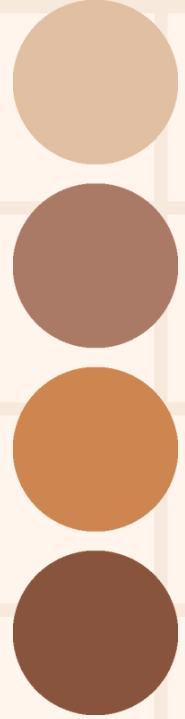
If an unfortunate event is detected, the app sends a notification and further a call to a predetermined emergency number if there is an issue.





The App Interface Idea





THANK YOU
SO MUCH!

