



CANISHERZ

Measuring system for domestic dogs

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CANISHERZ

Our Project

Creation of an IoT device for monitoring the heart rate of dogs, using an application to display the information, and notify if there is any change in the heartbeat.

MAIN OBJECTIVE

OBJECTIVE

Creation of a system composed by hardware, coupled to an apparel for the measurement of heart beats in domestic dogs, with management done by a real-time monitoring application.

JUSTIFICATION

According to the Animal Rights News Agency (2013), Brazil has approximately 57 million pets, with 7% of these animals' deaths attributed to heart disease. In this percentage, 37 million are composed of dogs, being the majority in the cases counted.

METHODOLOGY

In order to build the project's theoretical foundation, we used the qualitative and a quantitative research methodology, which according to Gil (2017), mixes the best of both quantitative and qualitative methods.

CanisHerz Prototype

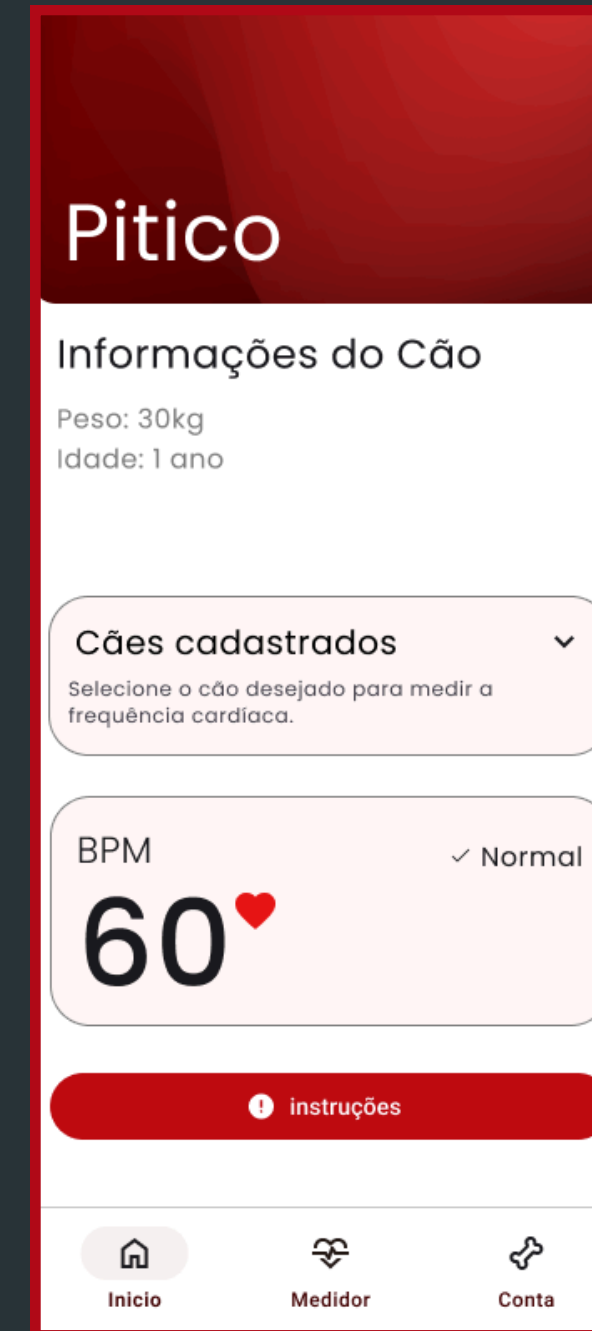


Source: Author's own (2024)

CanisHerz Prototype



Source: Author's own (2024)



Source: Author's own (2024)


MAIN CONSIDERATIONS

Our project does not seek to replace veterinary consultations or diagnoses, but rather to offer essential support in daily life, allowing owners to receive rapid alerts about significant changes in heart rate. This ensures a swift response in risky situations, helping to prevent serious complications.

REFERENCES

GIL, Antônio Carlos. Como elaborar projetos de pesquisa. 6. ed. São Paulo: Atlas, 2017.

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**THANK YOU FOR YOUR
ATTENTION!**