

# Pressure Ulcer Healing Device

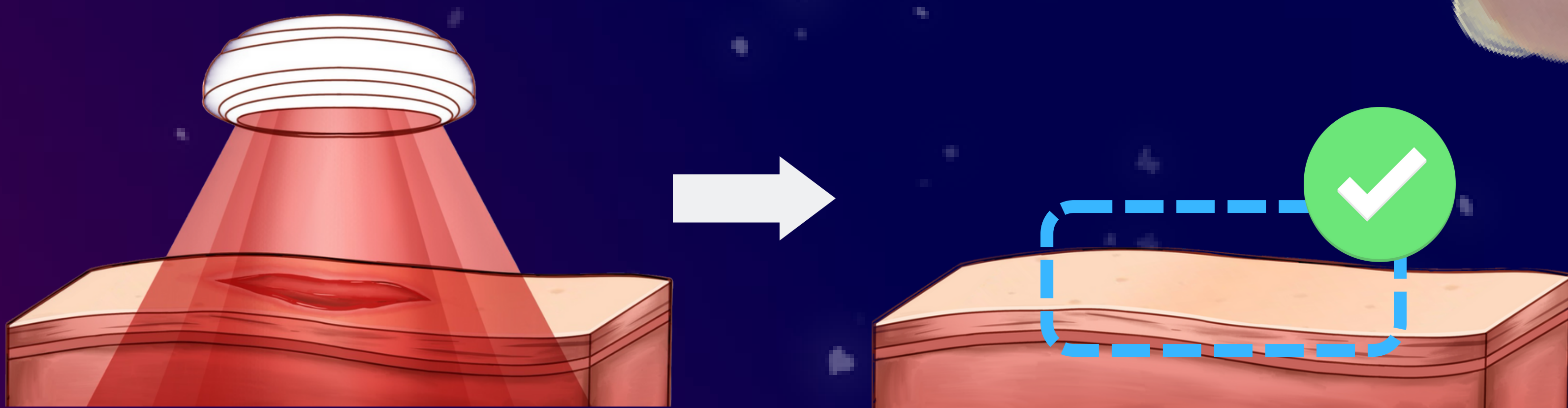
Create a better chance for patients suffering from bedsores for good health and well-being.

According to PubMed Central research (2022), With up to 2.5 million patients in the United States, pressure ulcer is a nightmare to people with medical conditions that cause them to spend most of their time in a bed or a chair. A bedsore can be extremely painful and takes a long time to heal.

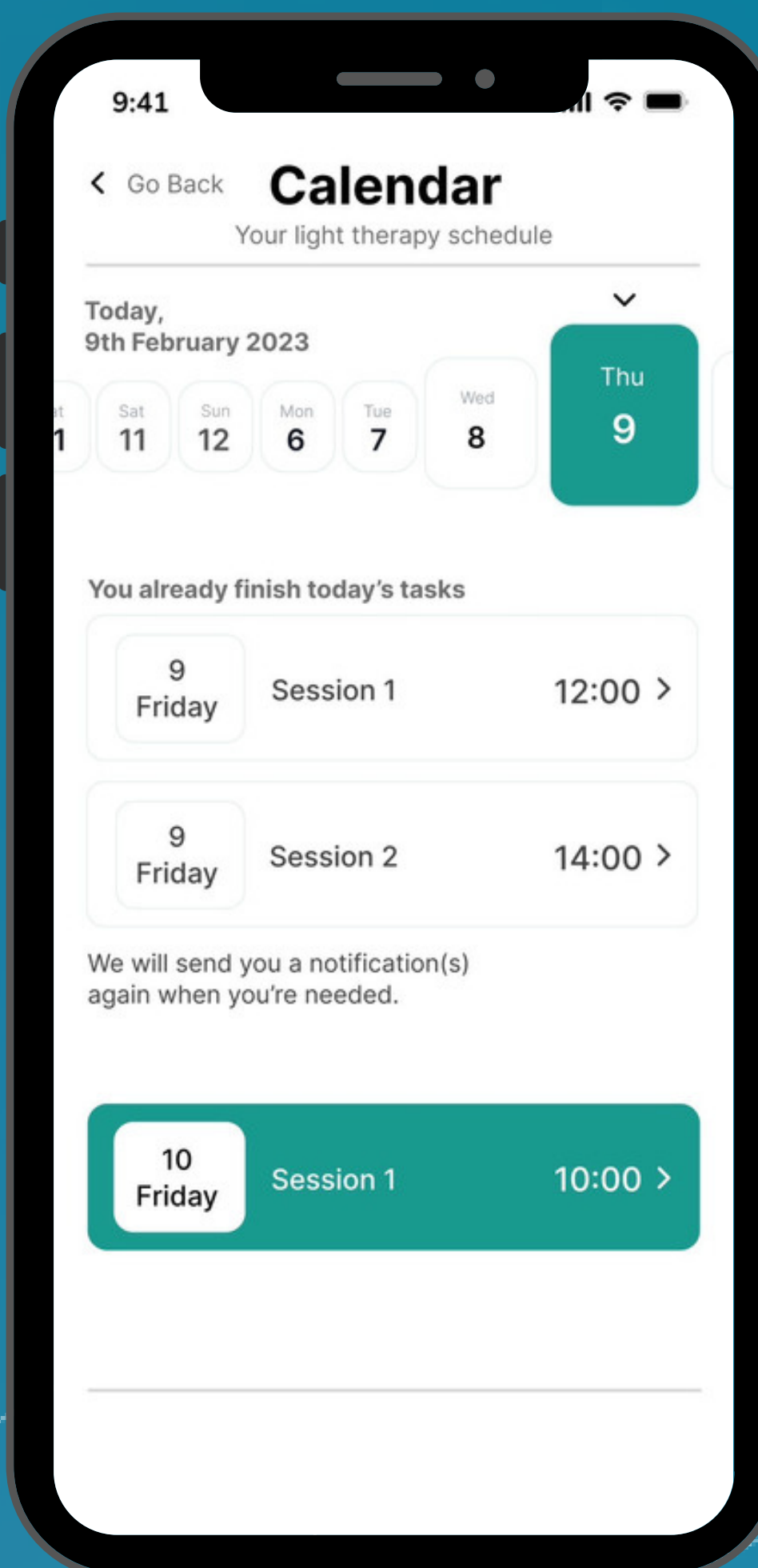
According to The National Center for Biotechnology Information research (2021), Red light gets absorbed by the mitochondria, stimulating the production of ATP. In return, speeds up the wound healing process.



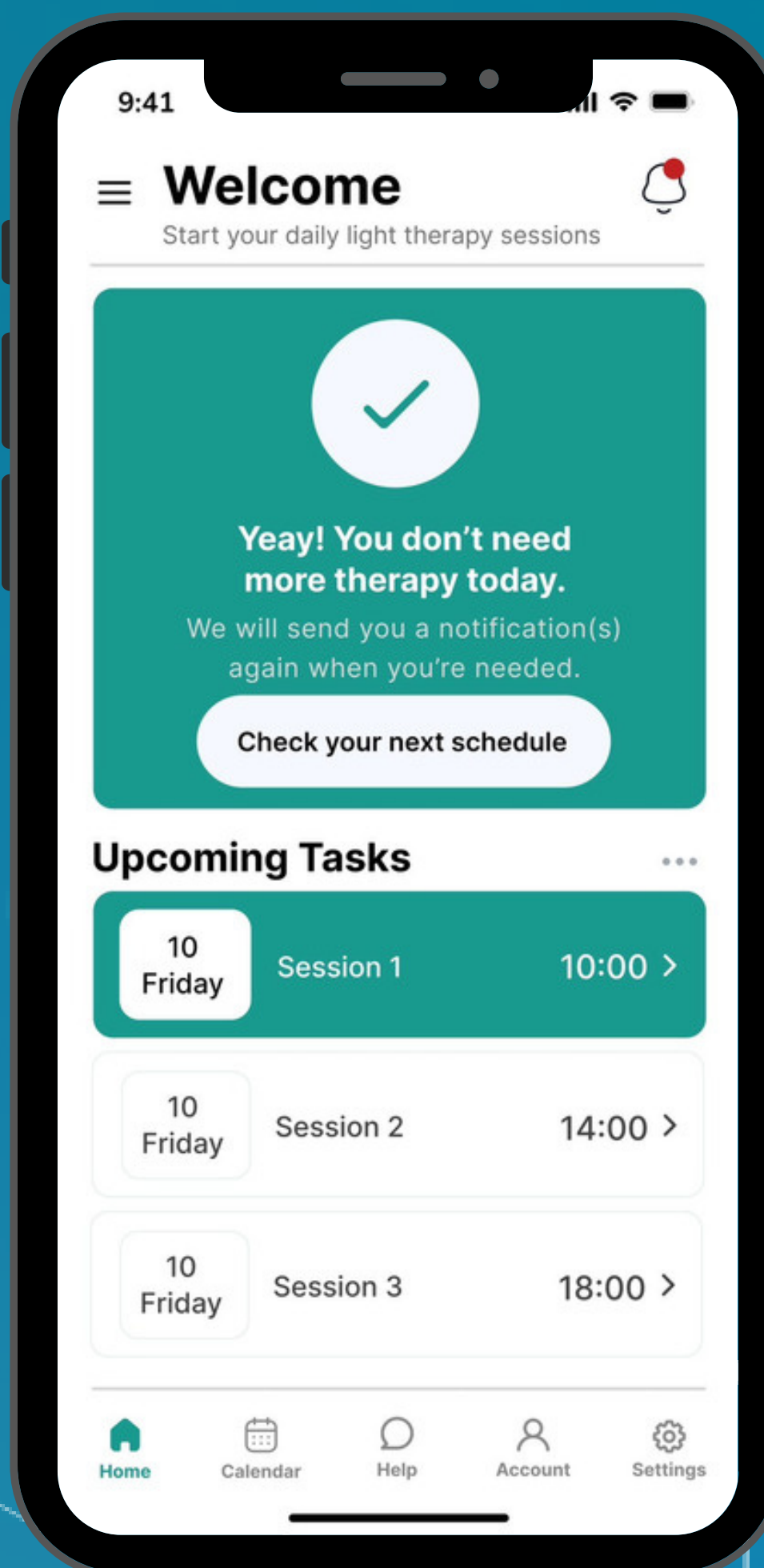
Pressure Ulcer Healing Device is linked with mobile application through Wi-Fi



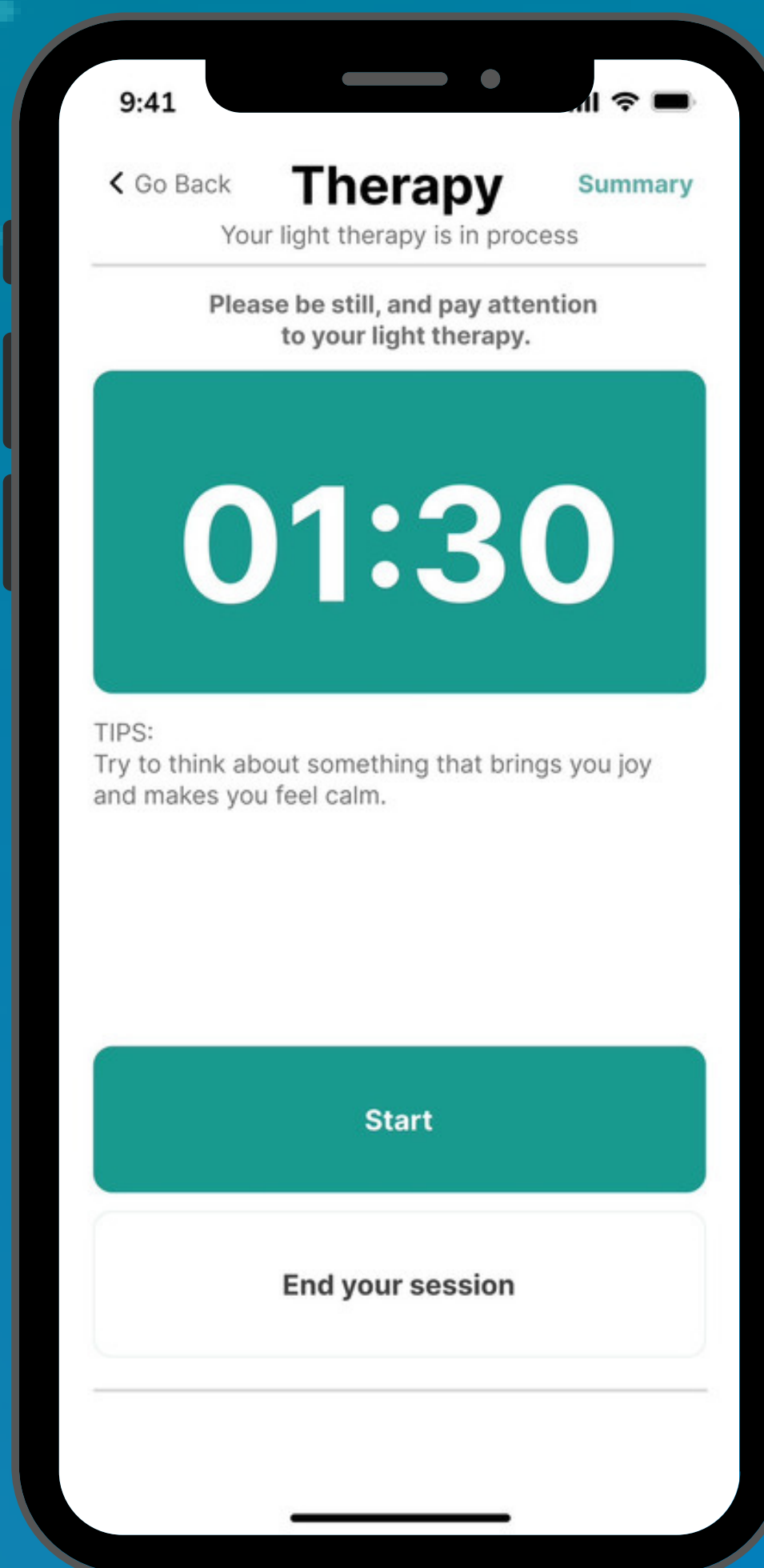
## APPLICATION KEY FEATURES



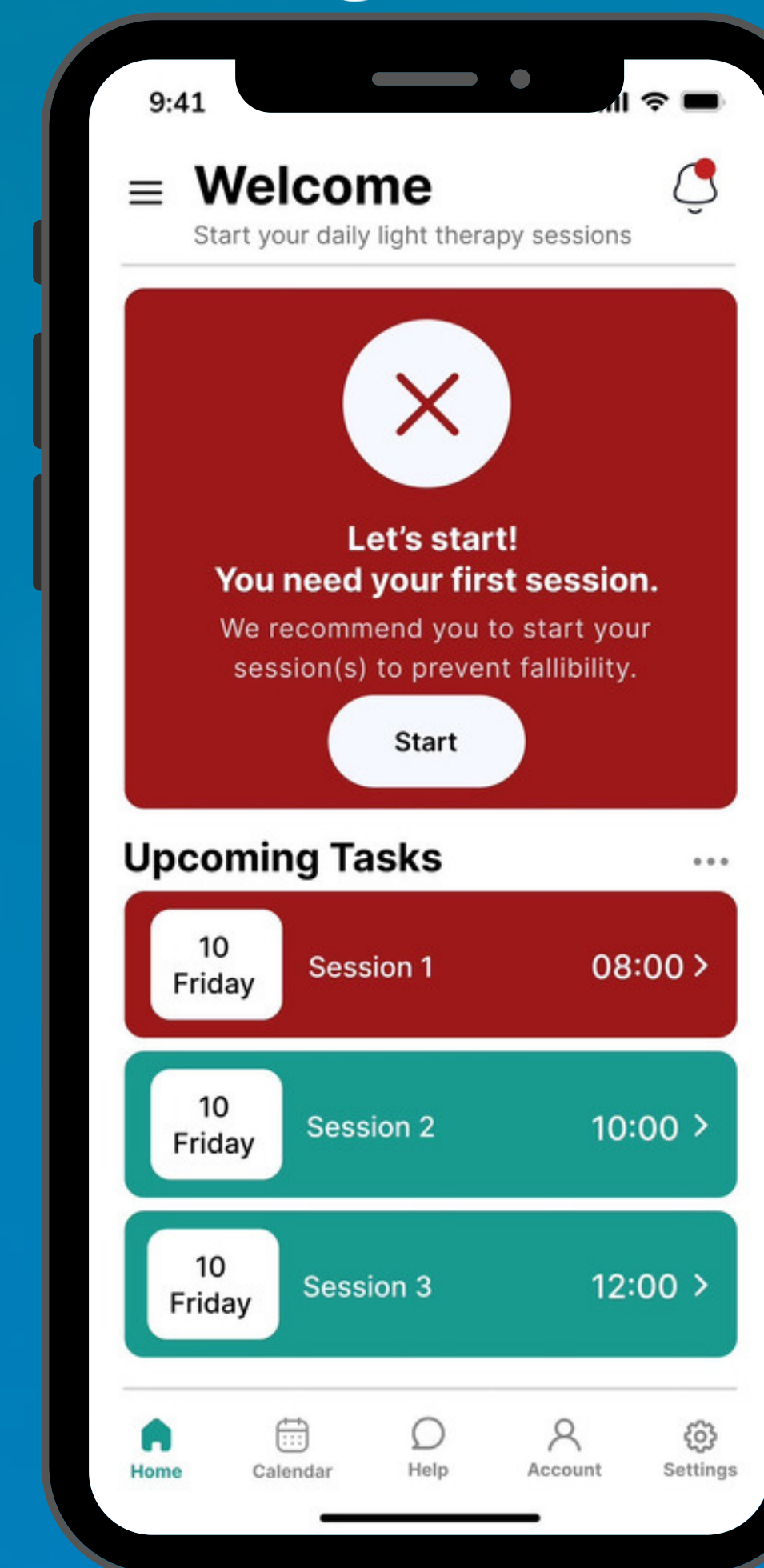
Calendar



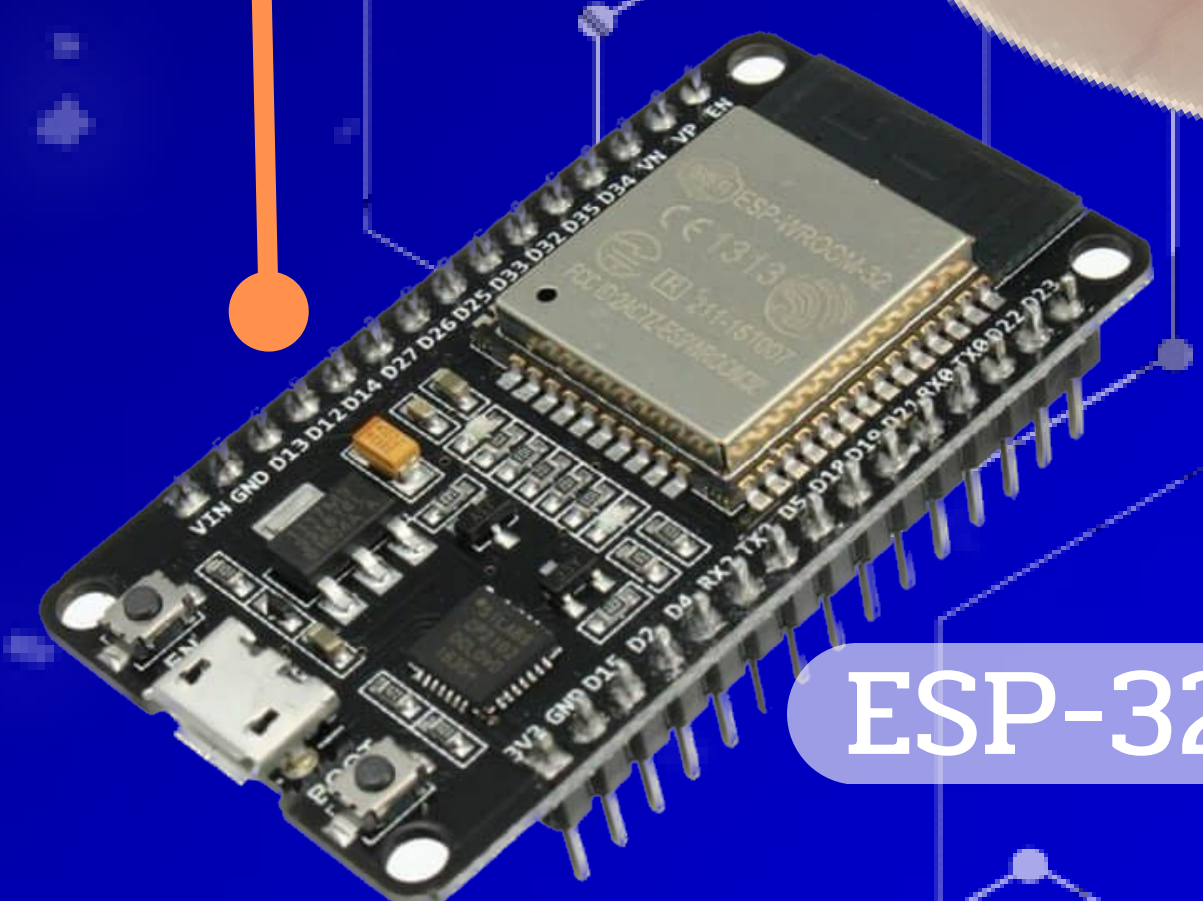
Home



Timer



Home Page with missed session alert



ESP-32

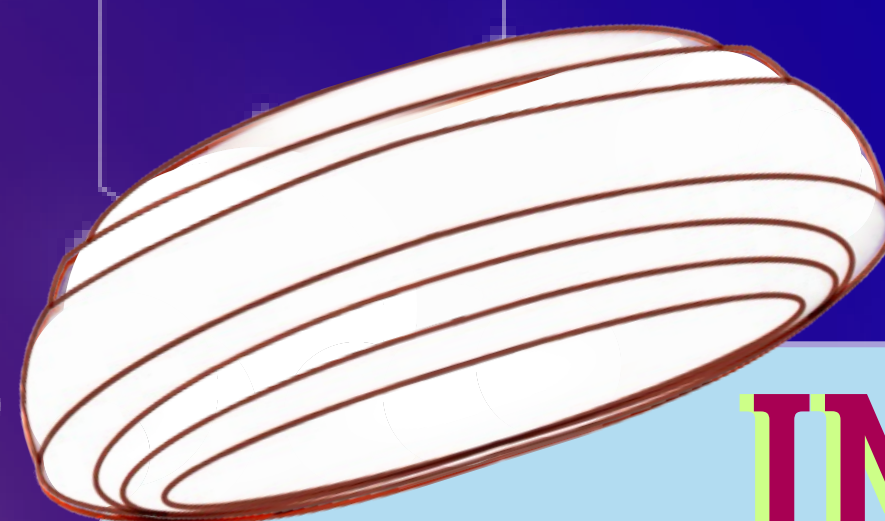


NeoPixel



## CREATE

Create a portable pressure sore treatment device that can be used along with a mobile application



## IMPROVE

Medical accessibility by creating a phototherapeutic device for people who suffer from pressure ulcers that are more accessible, efficient, and obtainable.



## DEVELOP

Further to completion, process the work through a certified quality system, and make a collaboration with hospitals for real world usage.

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