

LightDose: Illuminating the Future through Light Therapy

Team: Ryan Lucero, Zach Trusso, Marco Castrita, Cathy Ly

Client: Jesslynn Armstrong

Mentor: Paul Deasy

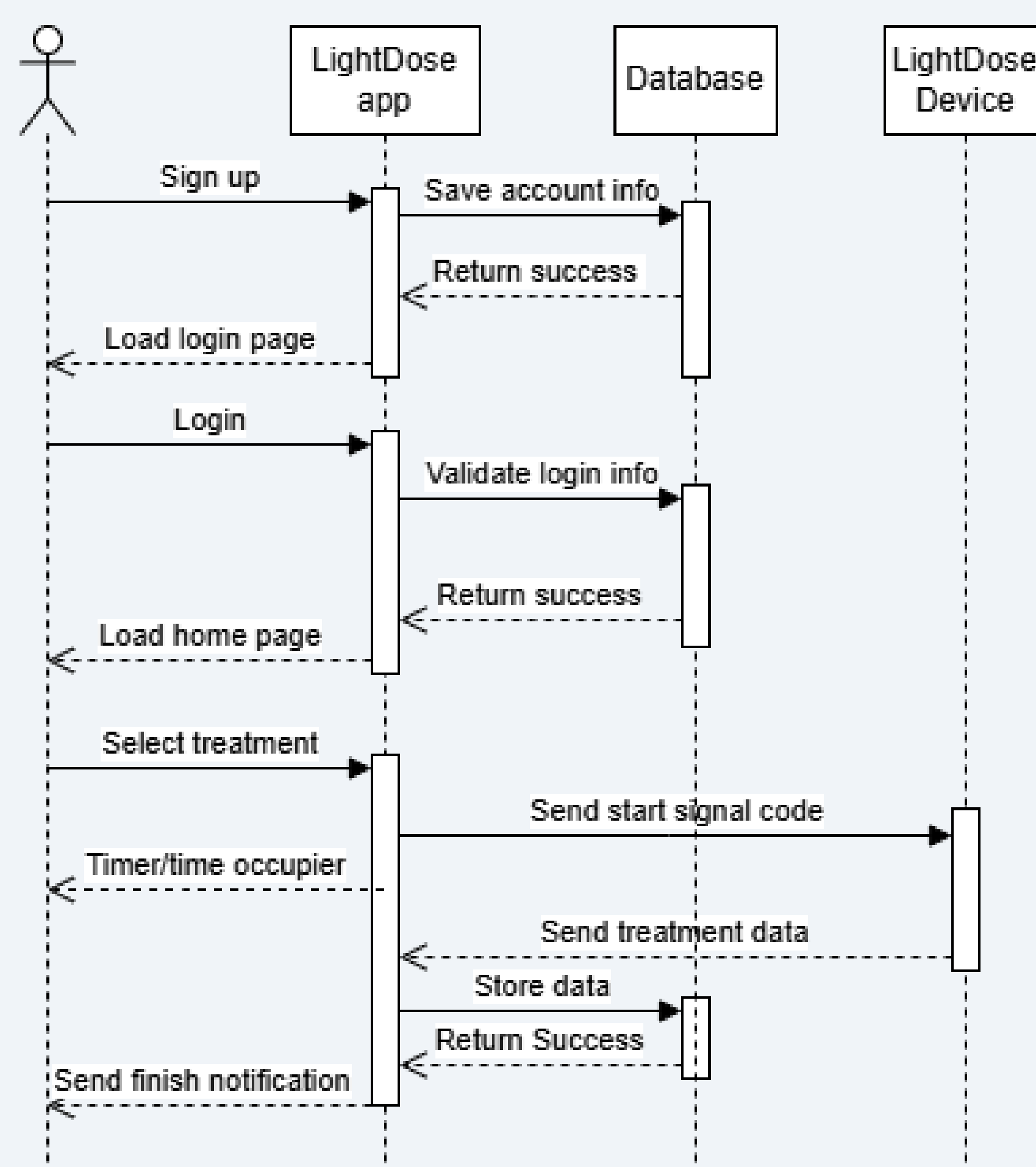
Mission

Bridge the gap between light technology's proven benefits and patient accessibility through innovative mobile technology and compact hardware.

Problem & Motivation

- Bulky equipment
- Limited monitoring
- Outdated Technology
- Lack of data
- Clinical settings

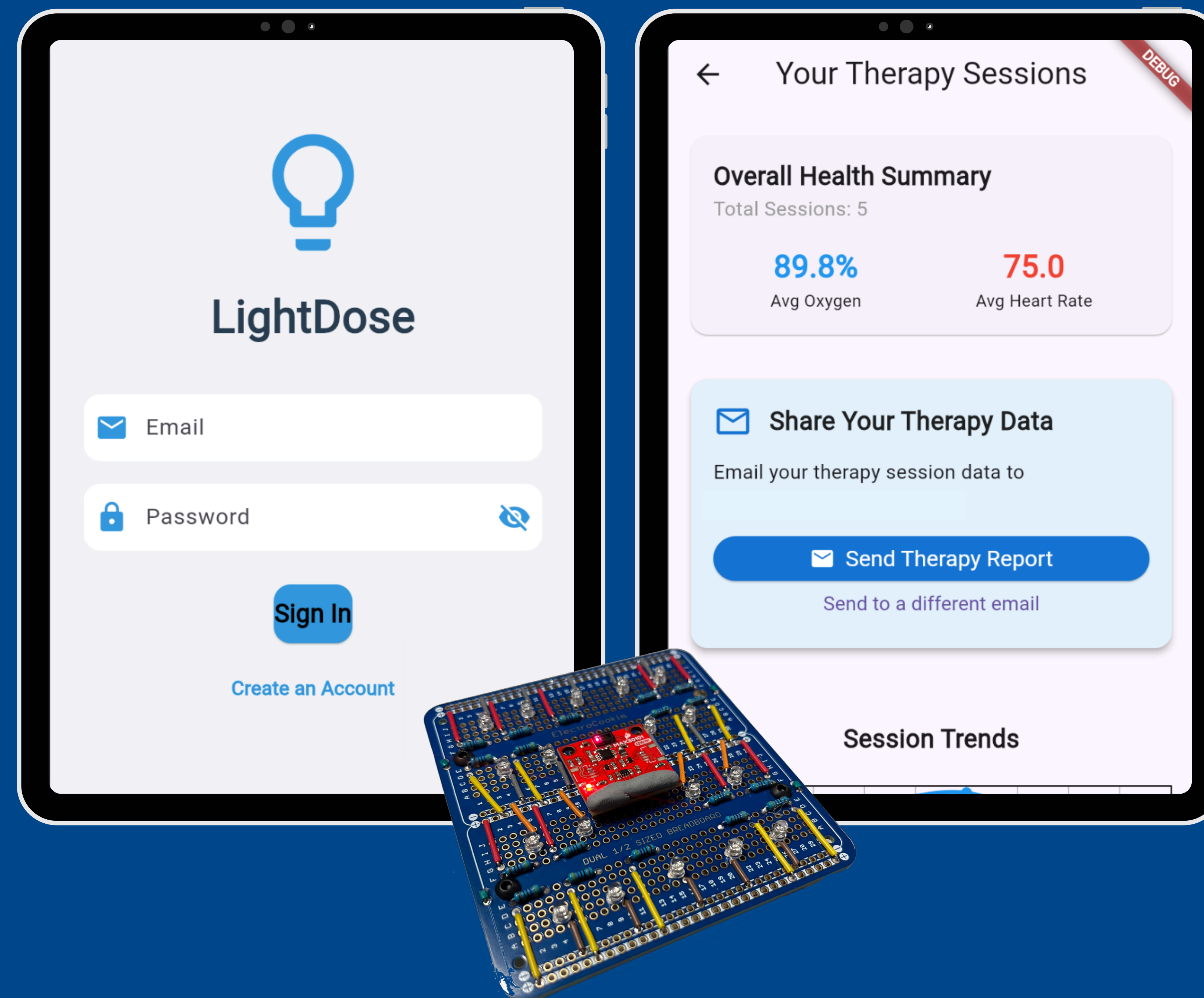
Patient Architecture



Technologies



Our Solution



LightDose combines compact light technology hardware with mobile technology for accessible home therapy.

Key Features

- Real-Time Data Tracking
- Treatment Visualization
- Bluetooth Connection
- Data export

Security & Privacy

- Multi-factor authentication
- End-to-end encryption
- Role-based access control

Testing

- User Authentication
- Firebase Integration
- Bluetooth Interface
- Data Synchronization

