



**LUMENEX
HEALTH**

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Meet our team



Reyad Sabry
Founder & CEO



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Flutter developer



Amr Adel
Backend developer



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Flutter developer



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*Communications
Coordinator*

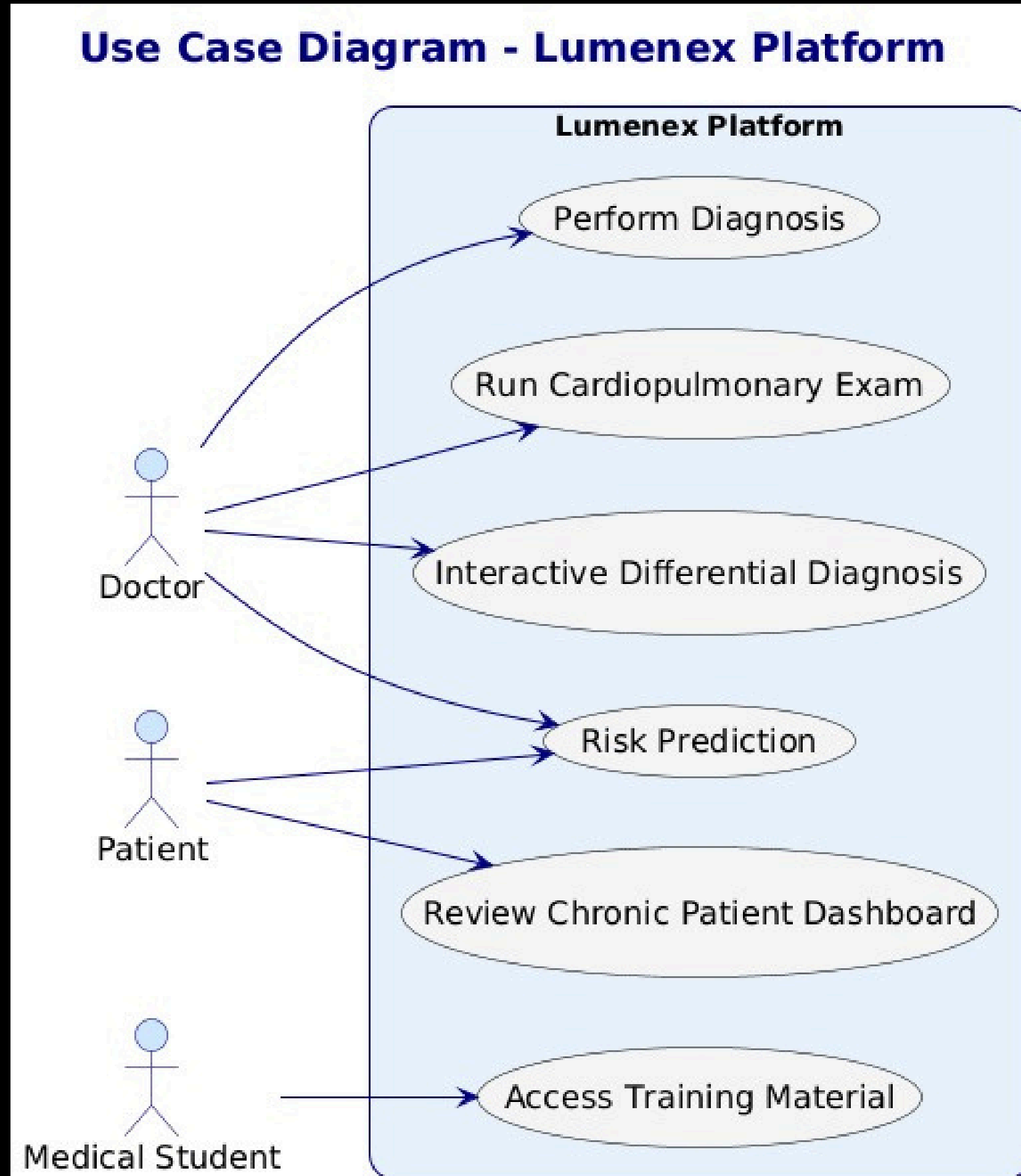
What problem are we solving ?

- **Outdated Tools:** Reliance on the 200-year-old stethoscope → subjective & error-prone diagnosis.
- **Diagnostic Gap:** Cardiorespiratory diseases remain the #1 killer in MEA due to delayed or missed detection.
- **Inadequate Data:** Lack of objective, high-fidelity diagnostic information in frontline hospitals.
- **High Costs:** Overreliance on expensive secondary tests to confirm uncertain diagnoses.
- **Clinician Burnout:** Doctors forced to make life-or-death decisions without proper tools.

The System Requirements for Our Solution

- **Smart Hardware:** Medical-grade device with superior audio capture & noise cancellation.
- **AI Integration:** Two-layer hybrid AI capable of analyzing cardiopulmonary sounds in real-time.
- **Seamless Workflow:** Integration with hospital EHR/HIS systems to avoid disruption.
- **Scalability:** Cloud-based SaaS platform for enterprise-level deployment.
- **Compliance:** Meets UPA, CE, and FDA medical device standards.
- **Accessibility:** Designed for regional conditions and scalable across MEA hospitals.

Use case diagram



Database schema

The current deployment of
Lumenex Health Doesn't
include a database
structure

Lumenex Pitching video

Walkthrough video


Lumenex Ix Platform

localhost:60896


Lumenex

Home Demo Contact


The urgent need to solve the diagnostic gap in cardiac healthcare.




Overworked doctors relying on outdated tools in crowded hospitals



46% of deaths in Egypt are heart-related



Costly secondary tests draining resources



The Diagnostic Gap is Costing Lives and Fortunes.

For 200 years, clinicians have relied on subjective listening, leading to

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***Thank
you***