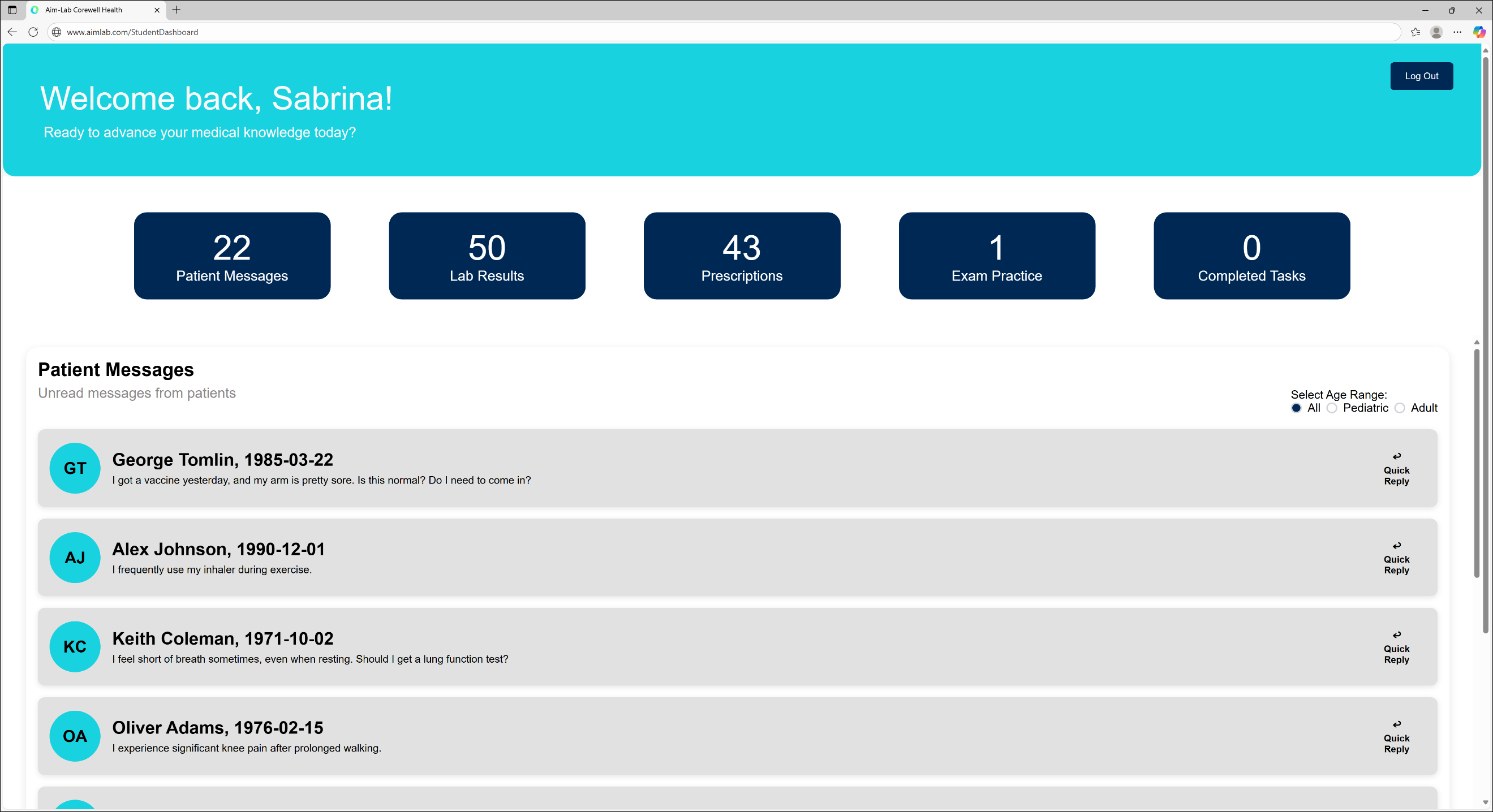
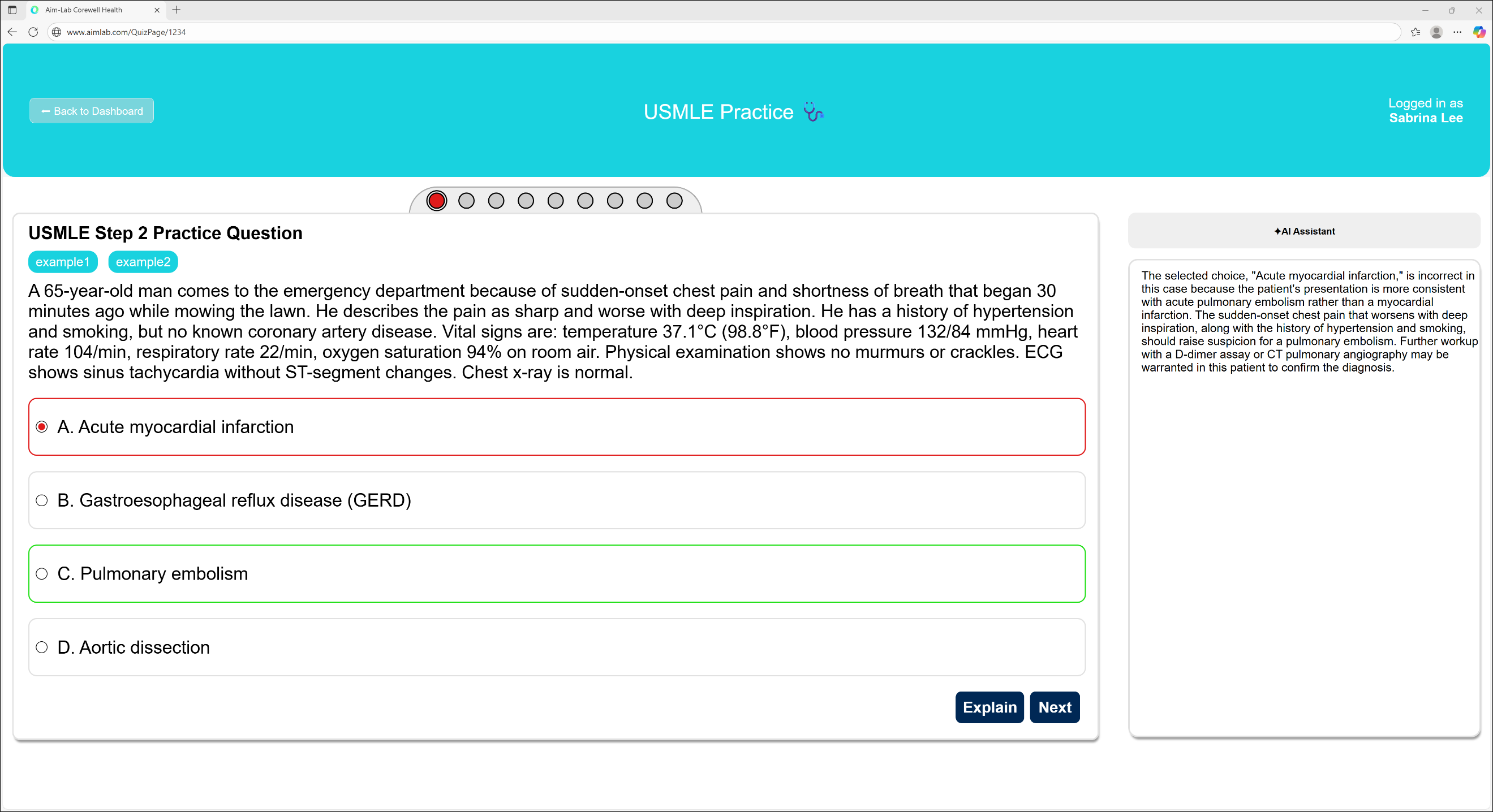
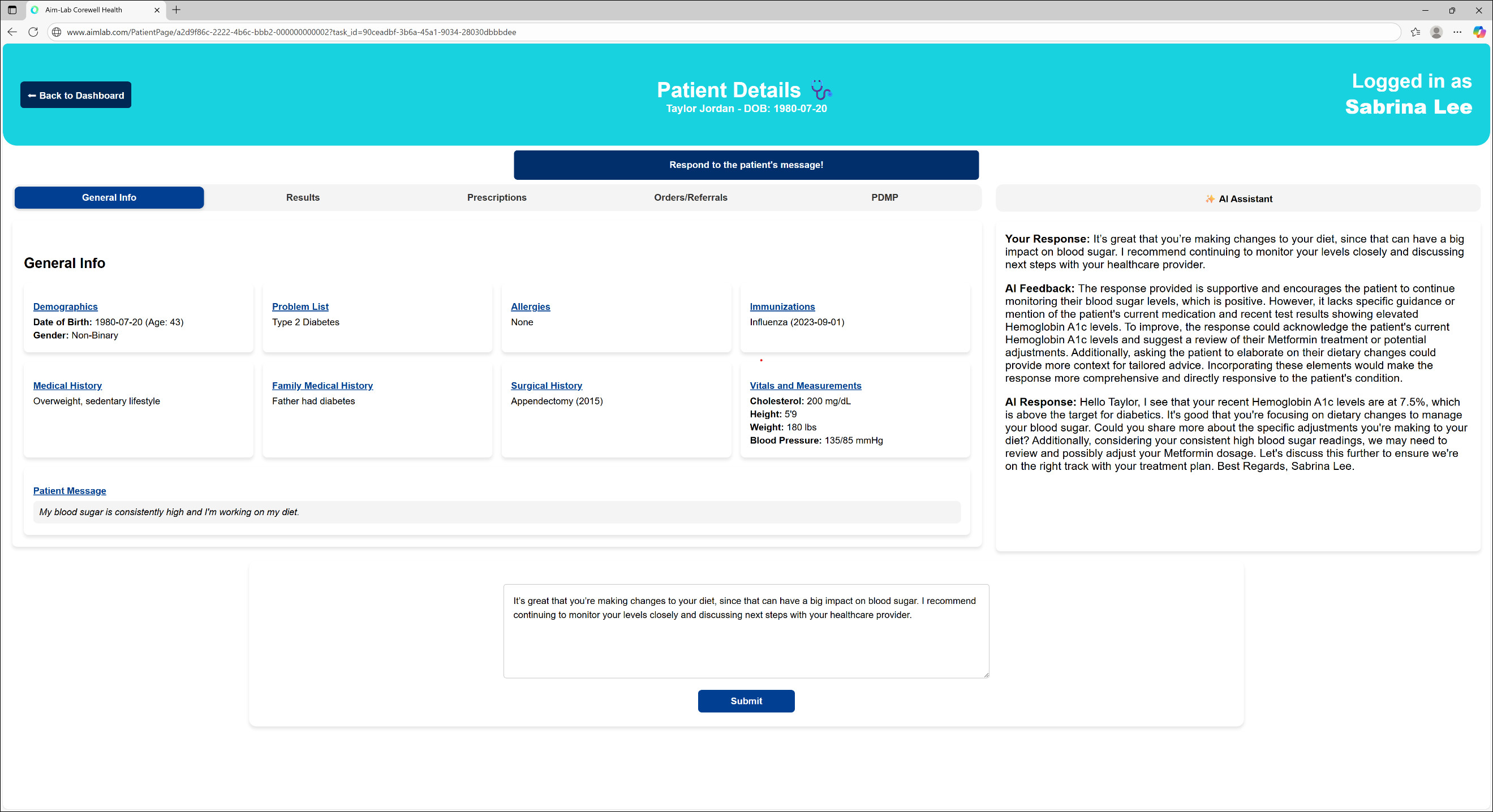
Design Day Booklet Team Page







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Corewell Health

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Corewell Health is Michigan’s largest nonprofit health system, employing more then 65,000 people, including 12,000 physicians and 16,000 nurses. Originally formed in a groundbreaking 2022 merger between Spectrum Health and Beaumont Health, it now operates 21 hospitals and 300 outpatient facilities while partnering with universities statewide to train future medical professionals.

Electronic health records (EHRs) and secure patient messaging are now fundamental components of modern healthcare. They allow physicians to quickly review test results, update charts, and communicate with patients. Notably, most medical school curricula do not provide structured training in how to use them. To close this gap, Corewell Health is expanding its simulated EHR platform, preparing students for the digital systems they rely on during residency and beyond.

Our AI Tool for Enhancing Medical Education integrates into Corewell Health’s family medicine curriculum. The system generates diverse, realistic patient cases built from national health datasets. Students interact with both adult and pediatric patients, order tests, and prescribe medications. An integrated order entry system mirrors existing EHRs, while AI-generated feedback highlights errors and reinforces correct reasoning.

The platform also features an exam preparation page with AI-generated United States Medical Licensing Exam Step 2 questions, helping students strengthen diagnostic thinking and become fore confident with exam formats. This ensures they are not only better prepared for testing but also more equipped to face the responsibilities of residency.

Our front-end software is written with ReactJS, and our back end is written in Golang. We use Flask and OpenAI’s API for the LLM microservice, and our data is stored in a Supabase SQL database.

CSE498 | 8:00 a.m. – Noon Computer Science and Engineering, Third Floor | 3200/3300 Hallway

Corewell Health

An AI Tool for Enhancing Medical Education