Practice Before the Patient

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Why is this important?

- Athletic training students need realistic practice

- One-to-one, conversational scenarios are ideal

- AI-automated scenarios lessen educator workload

- Provides comprehensive feedback to students and educators

Target Audience

- Athletics/sports medicine students in specific classes
- Athletics/sports medicine students not in classes but not yet graduated
- Instructors
- Limited to UA students and faculty

Key capabilities

1

Iterative
Scenario
Simulation

Will simulate potential
scenarios an athletic
trainer might
encounter using an
LLM.

2

MyBama
Authentication

Will allow students and
educators to login
using their MyBama
credentials.

3

Scenario
Addition

Allows instructors to
easily generate, edit,
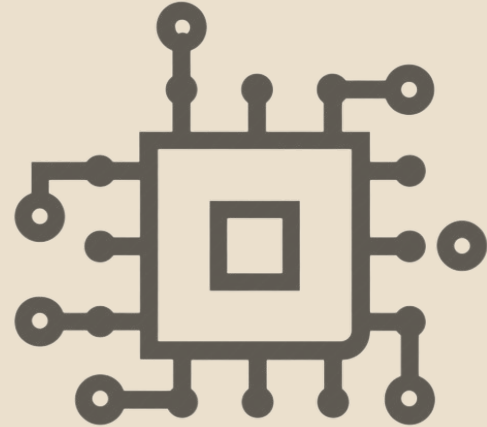and add new
scenarios

4

Auto
Grading

Assign a grade to how
the student did to give
a general benchmark
of progress

Tech Details

- Scenario progression and interface

- External LLM APIs

- Authentication and authorization

- Data storage and persistence

Environment

- Blazor for web-based user interface

- ASP.NET Core for backend logic and services

- SQL Server for data storage

- Azure App Service for cloud deployment

Related Apps/ Competitors

1. AI Patient Actor Platform by Dartmouth

2. Clinical Mind AI by Stanford

Challenges/ obstacles

- Creating a distinct platform with so many existing options

- Maintaining accurate information while using AI

- Implementing effective feedback with no extended medical knowledge

Questions?

Sources

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