



OlympianPT

Adaptive Physical Therapy
Board-Exam Excellence and Mastery in Practice

- ✓ *Excel in strengths*
- ✓ *Overcome weaknesses*
- ✓ *Reach the Olympian-PT Podeum* 

Problem

- **Static finite random question banks** quickly become outdated
- No personalized remediation or adaptive support
- Schools lack actionable data to support entire cohorts
- Prep providers face high student churn and costly content updates
- Demand for physical therapists outpaces supply
- Competition for top clinical talent is rising
- Passing NPTE is not a predictor for succeeding in the first job



Inspired by Olympic athletes' relentless spirit to rise after each fall, and from personal rehab experiences:

» **OlympianPT motivates** PT candidates to persevere and achieve their peak potential so they can help others heal, move, and enjoy life to the fullest!

This ⚡ is our mission!

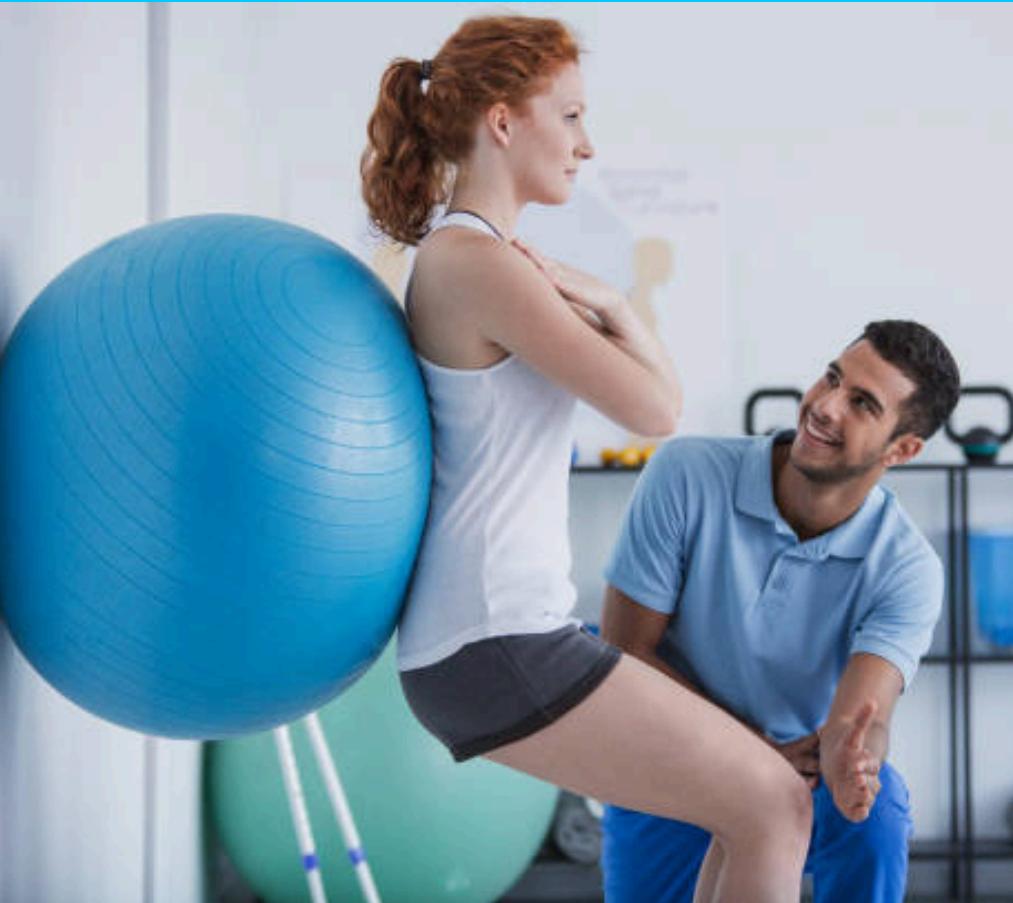
Our Solution

Your Competitive Advantage !

OlympianPT

- ✓ AI-powered Adaptive on-demand learning app
- ✓ Empowering PT candidates to master their boards
- ✓ Personalized dynamic practice, tailored to each student's unique needs.
- ✓ Inspirational → Aspiration → Motivational → Actionable

Key Features



- **Diagnostic assessments** identify strengths and weaknesses.
- **Personalized on-demand** practice questions continuously expanding and clear explanations.
- **Adaptive system** tracks progress and optimizes study paths in real time.
- **Analytics dashboard** empowers schools and providers with actionable insights.

Market Opportunity

Large institutional market

- ~20,000 PT students graduate per year in the U.S.
- ~294 accredited DPT programs + ~4000 degree-granting postsecondary institutions in USA
- ~82% first-time NPTE pass rate in 2024, → ~4000 fail, more than all of 3881 DPTs in CA
(compare: TX 2405, NY 1854, FL 1600)
 - Clear room for improvement and strong school incentives
 - Passing exams does not guaranteed excellence in workplace

Expansion potential

- Occupational Therapy (OT): ~9,000 graduates/yr
- E.g.: Accounting (CPA exam): ~72,000 candidates/yr
- Law (bar exam): ~35,000 graduates/yr
- Other Health boards

Continuing Education

- Practicing professionals renewing license

Market Strategy

Value to Universities & Colleges

- Built to maximize individualized readiness for board success
- Empower faculty to deliver targeted support across all cohorts
- Deliver actionable analytics for curriculum improvement and accreditation
- Strengthen reputation and attract top student applicants

Value to Prep Providers

- Differentiate and elevate brand with advanced adaptive offerings
- Reduce content development costs
- Gain actionable analytics to enhance student performance and attract new enrollees

Value to Individuals

- Personalized, self-paced preparation for board success
- Mobile app for learning and reference on-the-go
- Flexible membership options to fit any schedule

Road Map & Business Model

Y1:  Pilot **partnerships** with **regional** Universities, Colleges, and early Prep providers

- Annual institutional licensing or per-student subscription for schools
- Revenue share or per-seat licensing (B2B) for Prep providers

Y2:  Expand strategic partnerships to **national** Universities and key Prep providers

Y3:  Scale to additional domains, e.g. health, accounting, legal

Y4:  Optional future expansion:

- **individual (B2C) memberships for students and practicing professionals for on-the-go reference and learning**
- **freemium model with in-app upgrades**

User Interface

NPTE - 9 available Topics

NPTE MCQ Demo

Please select one of the 9 NPTE topics

Select a topic...

- Select a topic...
- Cardiovascular and pulmonary systems
- Musculoskeletal system
- Neuromuscular and nervous systems
- Integumentary system
- Metabolic and endocrine systems
- Gastrointestinal system
- Genitourinary system
- Lymphatic system
- System interactions

Get MCQ

User Interface

Correct User Choice

NPTE MCQ Demo

Please select one of the 9 NPTE topics

Select a topic... ▾ Get MCQ

A patient presents with pain and swelling in their foot. What is the first assessment priority?

- A. Order x-ray
- B. Check vital signs
- C. Perform ECG
- D. Administer oxygen

Correct! X-ray is important for evaluating bone density and fracture risk, but not the first priority in this patient presentation with pain and swelling in their foot.



User Interface

Wrong User Choice

NPTE MCQ Demo

Please select one of the 9 NPTE topics

Select a topic... Get MCQ

A patient presents with chest pain, shortness of breath, and palpitations. What is the PRIMARY assessment priority in this patient evaluation?

A. Perform ECG

B. Administer oxygen

C. Check vital signs

D. Order chest X-ray

✗ Incorrect. ECG is important for cardiac assessment but comes after vital signs. The correct answer is: B. Administer oxygen. **Correct.** Vital signs assessment is always the first priority in any patient evaluation.

Learn more:

- <https://apta.org>

Try Another Question (Same Topic)

5-Year Financial Projections

Revenue Estimates

1. \$0.5M ➔ pilots, early institutional licensing
2. \$1.5M ➔ regional expansion, prep provider partnerships
3. \$4M ➔ national university adoption, initial B2C rollout
4. \$8M ➔ multiple board domains, growing B2C memberships
5. \$15M+ ➔ full national scale with other disciplines board markets



Meet our Team

BOARD OF DIRECTORS:

Olympia Lilly Bakalis, Founder
Ph.D. Physics, AI-ML Engineer, AI-Software Developer, Thinker

Bogdan Turturica, Financial Advisor
Chairman of Governing Board (interim) AGMC/KPC

APP DEVELOPERS:

Bruce Geerdes, IOS and Android
Some UX designer

DOMAIN EXPERTS:

Kyle Denlinger, PT, DPT, OCS, CSCS, FAAOMPT
Mariana Cuceu, X-Kaplan Instructor

ADVISORS:

Tom Jacky, CFO West Star Operating Company
YC Lee, Ph.D., Professor, CTO, Entrepreneur, AI Expert
Anita Retinger, Web Designer

LEGAL:

IP and Patent Lawyer



Investment Opportunity

Seeking \$1 Million pre-seed investment:

Pre-seed focus: Build and refine MVP, establish strong PT market foothold through pilot programs and early institutional partnerships.

Future expansion: Additional board domains (e.g., OT, Accounting, law) funded in subsequent rounds.

Join us in revolutionizing adaptive board preparation and lifelong learning at an Olympian-level scale!

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Thank You! - Next Steps

Thank you for your time and interest in OlympianPT!

We look forward to empowering the next generation
of *physical therapists*,
and future professionals in other domains.

Let's connect to discuss pilot programs and
strategic partnerships!

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Implementation Plan

1st Stage: MVP

- GraphRAG with Qdrant integration
- Agentic retrieval of material from reputable, verified sources.
- Synthetic MCQ generations from lawful sources from curated knowledge base provided by University partners
- RAG retrieval answer generation with rational
- Human-in-the-loop for improvements on the fly
- Built-in system RAG evaluation

2nd Stage, future additions

- ### 2nd Stage, future additions
- Modular strengths/weakness mapping assessment
 - Diagnostics, continuous tracking
 - Learning management systems (LMS) compatibility, for seamless integration with partners' platforms.
 - ApplicationSecurity
 - Human-in-the-loop for SMEs
 - Built-in-feedback mechanism from users

Application Security

How We Secure Our Mobile App

- ✓ • Apply secure coding practices and regular code reviews
- ✓ • Encrypt all sensitive data at rest and in transit (e.g., HTTPS, secure local storage)
- ✓ • Implement strong authentication and secure session management
- ✓ • Use code obfuscation and tamper detection to prevent reverse engineering
- ✓ • Maintain strict dependency management and timely security patches
- ✓ • Conduct regular penetration testing and external security audits
- ✓ • Provide ongoing monitoring and rapid incident response capabilities