

Roy

Exploring the transformative power of Adaptive Language Learning through AI-powered Teaching Assistants

Roy - Your Personalized Tutor





Adaptive Language Support

Application to take lectures and class note and put it into an interactive Al

International Students (Sept. 2022)

7,256

Estimated International Students with a Tutor

1,521

Cost of a Tutor

\$25-50/hr.

Roy is a powerful and adaptive AI-powered tutor that can revolutionize the way people learn and interact with educational technology.

Basic Plan \$29.99/month

Premium Plan \$32.99/month

Business Model

As of October 3, 2024 we have launched two plans Basic and Premium

| Text based Questions | Limited 30 per day |
|-----------------------|--------------------------|
| Study Plans | Pre-built Study Plans |
| Avatar Customization | |
| Voice Based Questions | |

Unlimited

Personalized Adaptive Plan





Competition

Roy provides an interactive tutor that can instruct and translate content in the language of the user's choice.

| | Roy |
|--|---------|
| Text Prompt | <u></u> |
| Voice | G |
| Customizable Tutor | |
| Multi-Language Translation Functionality | Ġ |
| Video | G |
| | |

| ChatGPT | TutorME |
|---------|-----------|
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Marketing & Sales Strategy

Target Customer:

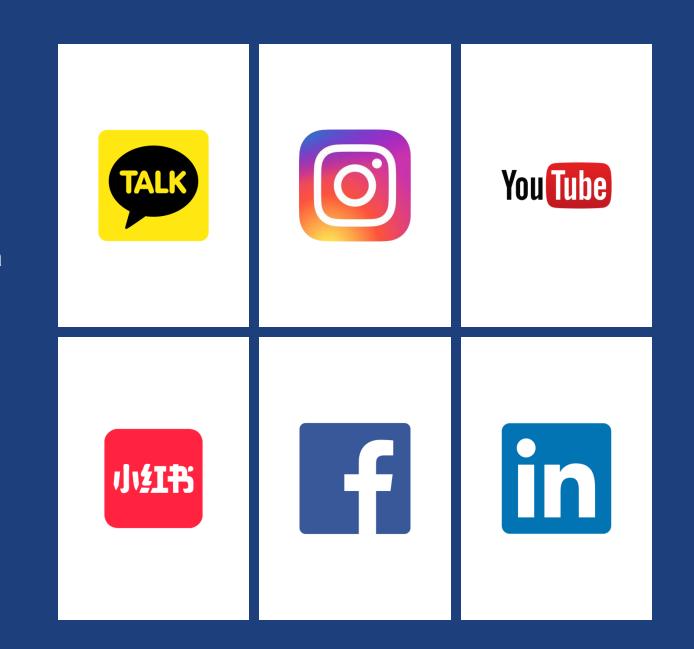
International undergraduate students from Asia and India, primarily studying at Penn State.

Marketing Strategy:

- Online (Current) and Offline (Future)

Sales Strategy:

- Free Trial (Future)
- Referral Program (Future)



Wireframe Demo



Projected Growth



5% MoM

Growth during the school year

270,555 students

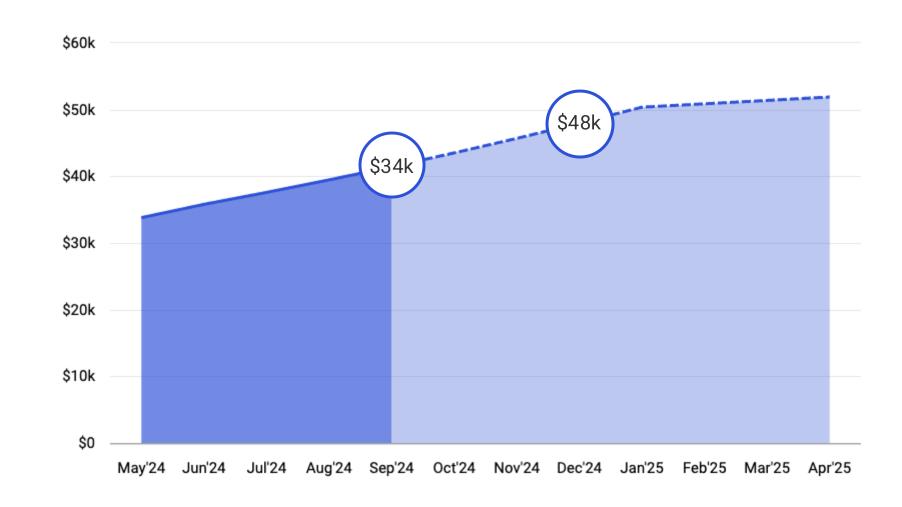
TAM

22,914 students

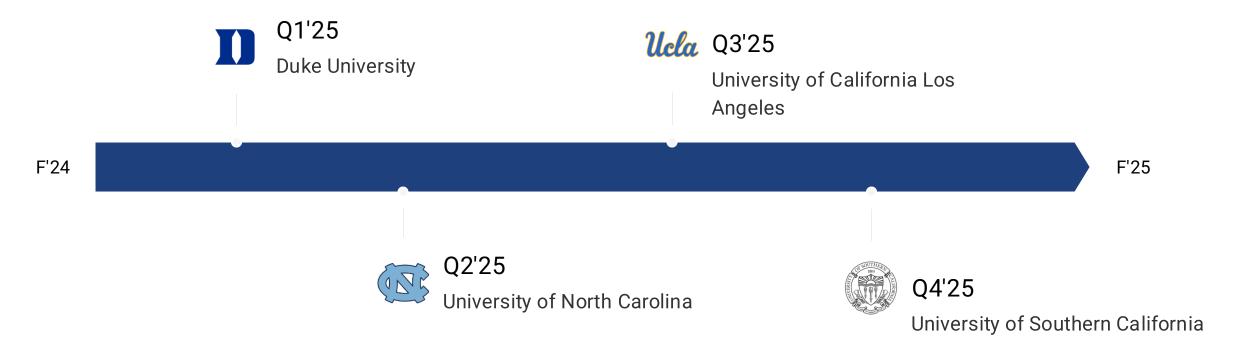
SAM

1,521 students

SOM



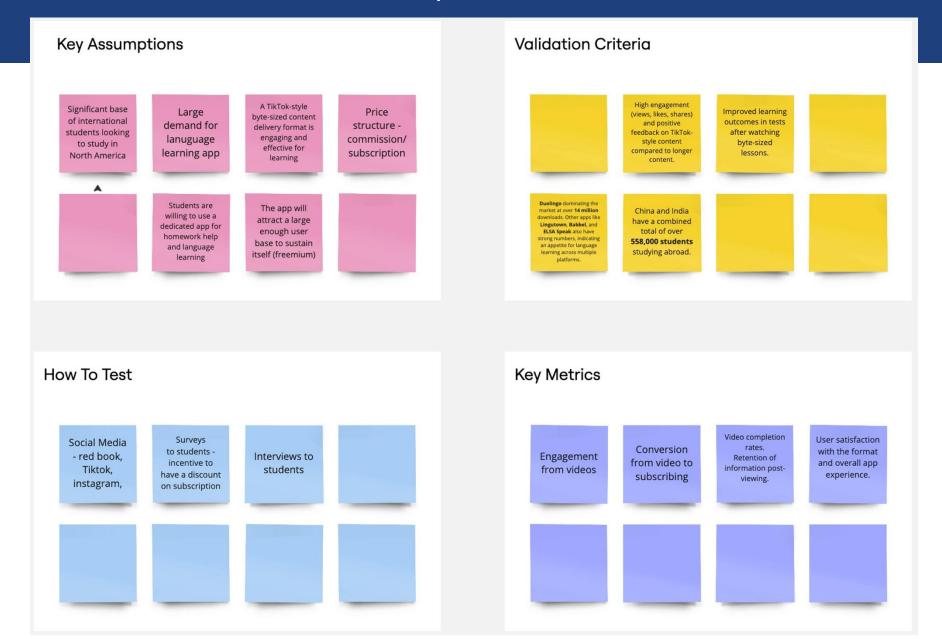
The Ask



- 1. \$500K Pre-Seed Funding
- 2. Expansion to the following schools: Duke University, North Carolina, UCLA, and USC
- 3. Acquisition of additional servers and AI tokens to support larger client base

Appendices

Assumption Test



Assumption Test (Continued)

Assumptions:

Michigan State: Of the 41,234 undergraduate students, 2,182 are international students (5.3%).

Ohio State: 3,564 international undergraduates enrolled as of 2024 (Columbus campus).

Penn State: 7,256 international undergraduate students enrolled as of 2023 (4,480 at the University Park

campus).

Northwestern: 904 international undergraduate students enrolled as of 2023.

Illinois (Urbana-Champaign): 4,593 international students enrolled as of 2023.

Michigan: 2,645 undergraduate students enrolled as of 2023.

Wisconsin (Madison): 3,569 undergraduate students enrolled as of 2023.

Assume that Bubble will be used to build the app at USD \$159-179 per month.

Prompt in the Cost Estimator is "AI-powered tutoring app with multiple language capabilities and interactive AI avatar".

Historical Costs

| Assume USD \$1 = CAD \$1.35 | | | |
|--|-------------|-------------|-------------|
| All forecasted costs are in CAD. | | | |
| | | | |
| Assume ≈ 20% of Penn State's international undergraduate student population is the existing customer base. | | | |
| | | | |
| Revenues | Aug-24 | Sep-24 | Oct-24 |
| Pricing Plan (1,451 students at USD \$29.99/user/month) | \$58,745.91 | \$61,579.97 | \$64,414.02 |
| Total Monthly Profits | \$58,745.91 | \$61,579.97 | \$64,414.02 |
| Costs | | | |
| Bubble (Team/Heavy Daily Use/SaaS App) | \$799.20 | \$799.20 | \$799.20 |
| OpenAl GPT 4o - 1 billion input tokens (w/Prompt Caching) | \$1,687.50 | \$1,687.50 | \$1,687.50 |
| OpenAl GPT 4o - 1 billion output tokens | \$13,500.00 | \$13,500.00 | \$13,500.00 |
| Synthesia - Al Video Software | \$2,700.00 | \$2,700.00 | \$2,700.00 |
| Zapier - Integration of ChatGPT with Zapier (1,000,000 Tasks/month) | \$3,450.12 | \$3,450.12 | \$3,450.12 |
| TikTok Advertising (USD \$500 minimum + 10,000 views at USD \$10 per 1,000 views) | \$810.00 | \$810.00 | \$810.00 |
| Meta Advertising (Facebook [10,000 views @ USD \$14.40 Average CPM] + Instagram [10,000 views @ USD \$6.70 Average CPM]) | \$211.00 | \$211.00 | \$211.00 |
| Xiaohongshu (based on est. USD \$1,500 = 1,500 engagements) | \$2,500.00 | \$2,500.00 | \$2,500.00 |
| Amazon S3 (50 TB/month @ Canada-Central pricing [USD \$0.025 per GB]) | \$1,687.50 | \$1,687.50 | \$1,687.50 |
| Total Monthly Costs | \$27,345.32 | \$27,345.32 | \$27,345.32 |
| Total Monthly Profit | \$31,400.59 | \$34,234.65 | \$37,068.70 |
| Growth (Month-by-Month) | | \$2,834.06 | \$2,834.06 |

Business Model

Key Partners

- a. Educational institutions (for access to students, co-development, and partnerships)
- b. Al prompt engineers (for fine-tuning the personality of the Al)
- c. Investors (pre-seed funding, e.g., \$500K)
- Technology platforms (for deployment and scaling)

2. Key Activities

- a. Development of AI avatars that can communicate like a human (friend-like experience)
- b. Fine-tuning the AI for educational purposes (English and Math-based courses)
- c. MVP (minimum viable product) building and testing (e.g., first year English and Calculus)
- d. Control and governance (preventing bad actor behaviors)

3. Key Resources

- a. Generative AI technology (for avatar creation and tutoring interface)
- b. Pre-seed funding (\$500K)
- c. Educational content for English and Math courses
- d. Testing partnerships with universities (e.g., Michigan State University and other Big Tenschools)

4. Value Propositions

- a. A personal learning experience, "like a friend," in the language of the user's choice
- b. A human-like face, voice, and personality for enhanced engagement
- c. Ability to teach in multiple languages and subject areas (starting with English and Math)
- d. Al personality fine-tuned to human behavior for seamless interaction

5. Customer Relationships

- a. Personal, friendly relationships with students (Al acts like a friend/mentor)
- b. Long-term engagement through personalization of teaching style
- c. Continuous interaction by building trust and adapting to students' needs

6. Channels

- a. Direct deployment through educational institutions (e.g., Pennsylvania State University)
- o. Online platforms where students can access the Al tutor (web/app-based)

7. Customer Segments

- a. Students (targeting post-secondary students, particularly in first-year English and Calculus)
- b. Educational institutions (colleges and universities)

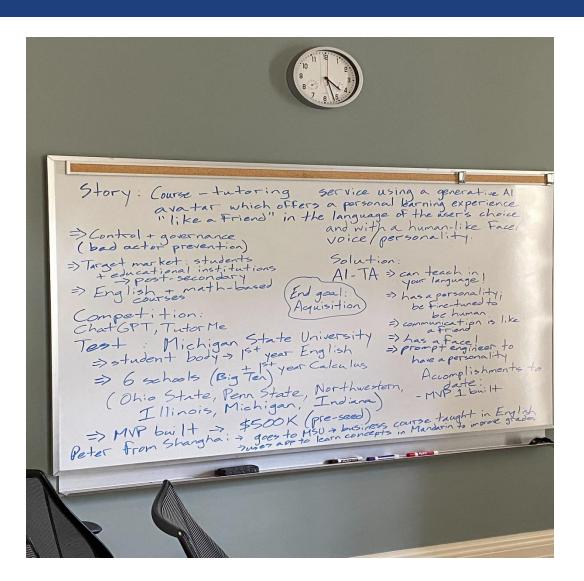
8. Cost Structure

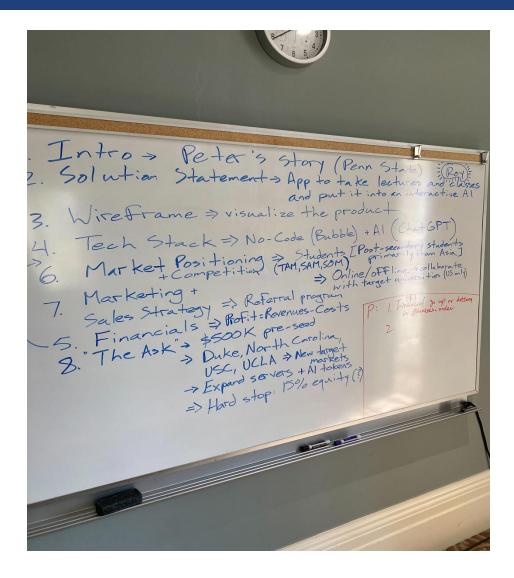
- a. Development and maintenance of AI (generative AI, personalization features)
- b. Personnel costs (AI engineers, product developers)
- c. Marketing and acquisition costs for reaching institutions and students
- d. Content creation (English and Math-based educational materials)

9. Revenue Streams

- a. Subscription or licensing fees from educational institutions
- b. Potential direct-to-student subscription model
- c. Acquisition (end goal stated as "Acquisition")

Brainstorm





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