MICHIGAN STATE UNIVERSITY

Alpha Presentation
Artificial Intelligence (AI) Learning Course

The Capstone Experience

Team HAP

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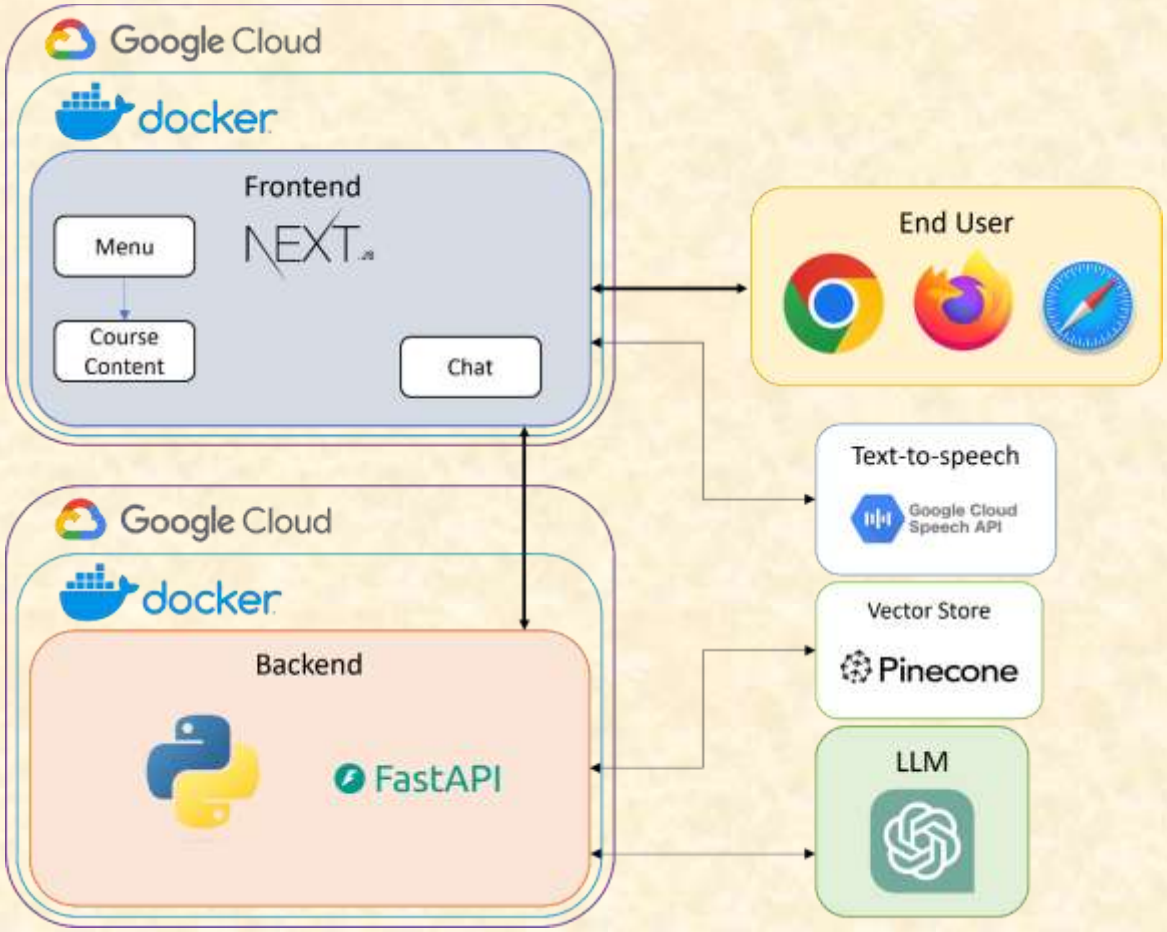
From Students…
…to Professionals

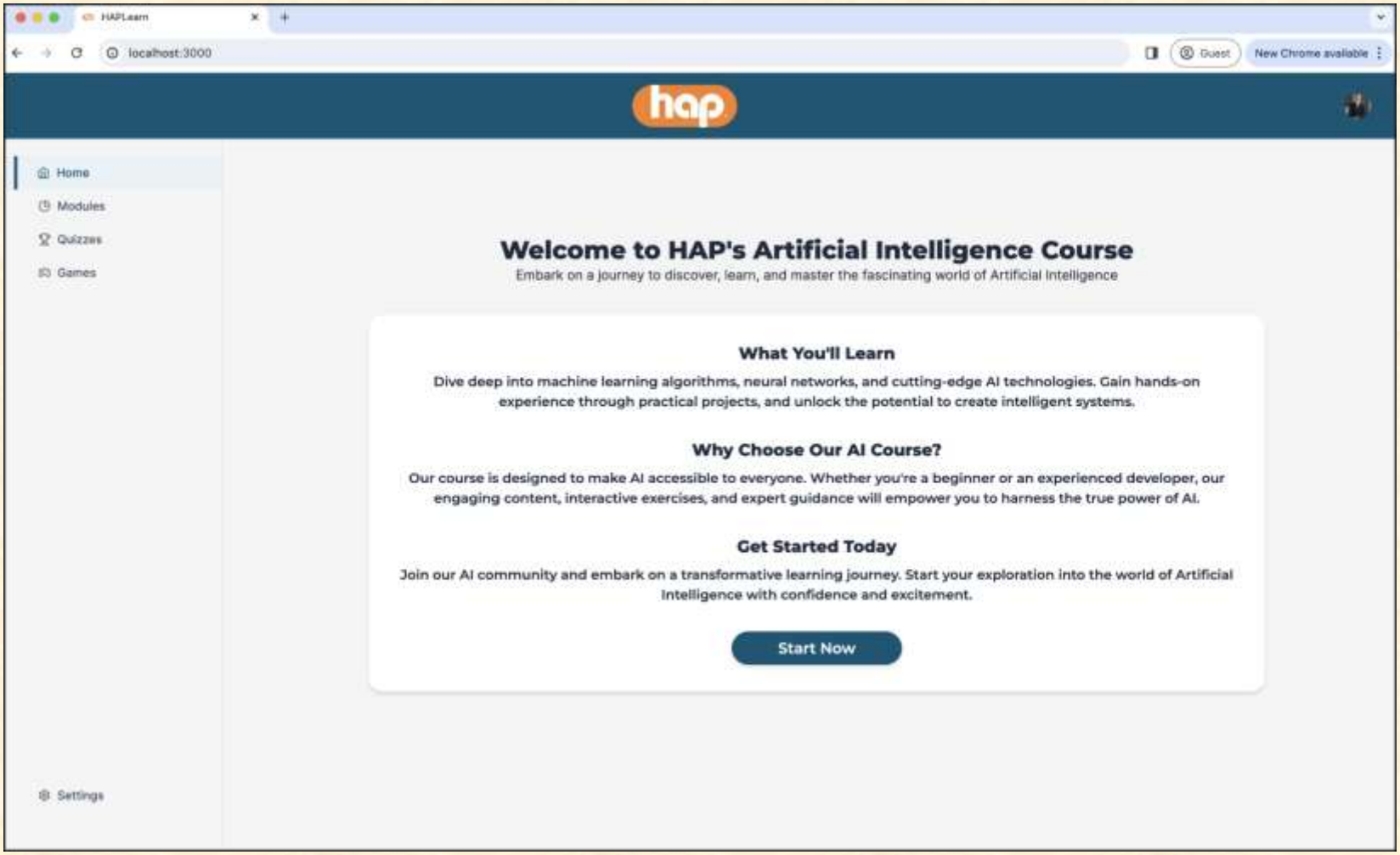
Project Overview

- Required training course for HAP employees
- Simplify AI learning with a 30 minute web-based course covering AI basics, tailored for all technical levels
- Integrate an interactive AI character for engaging content delivery and adaptive Q & A

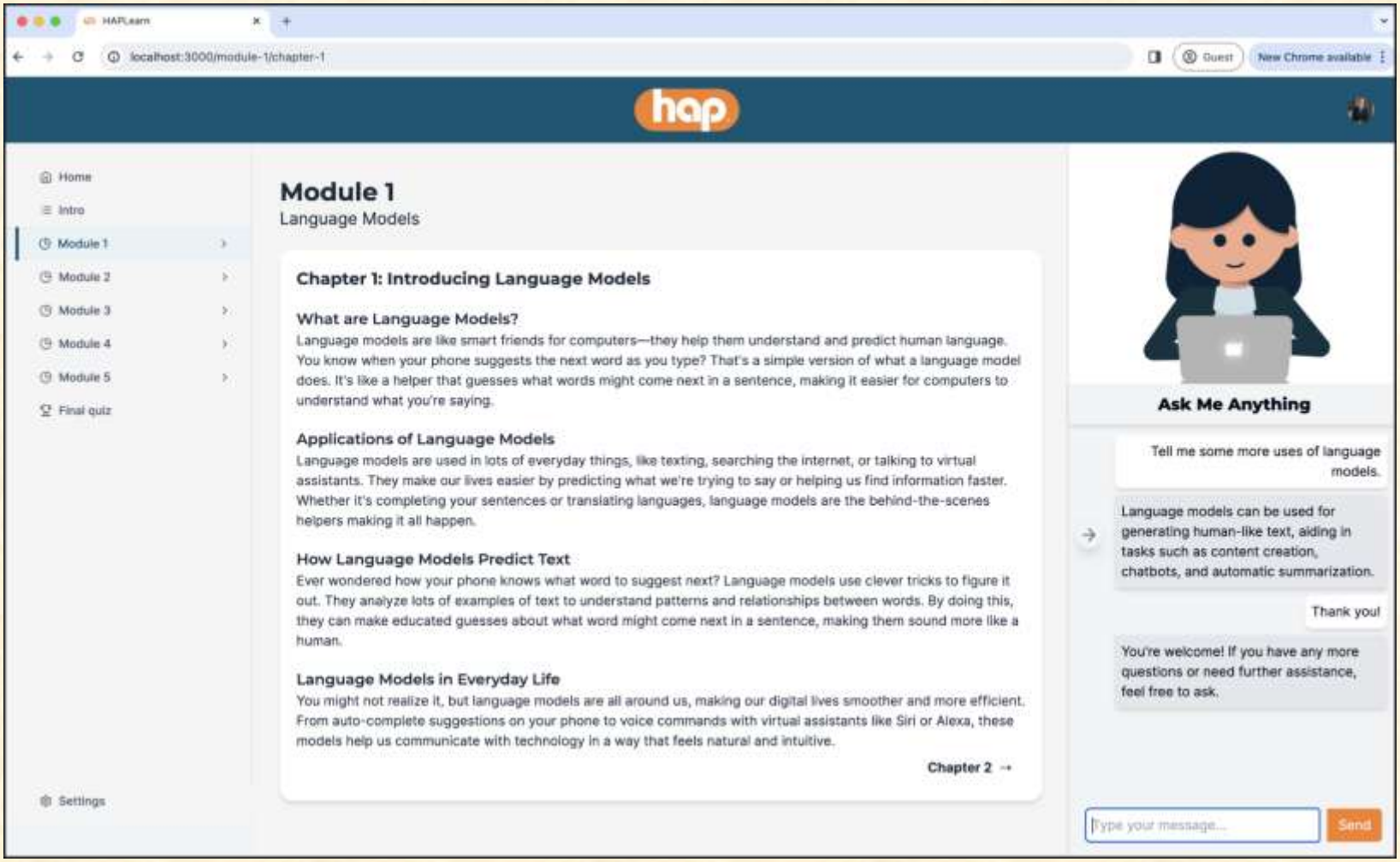
System Architecture



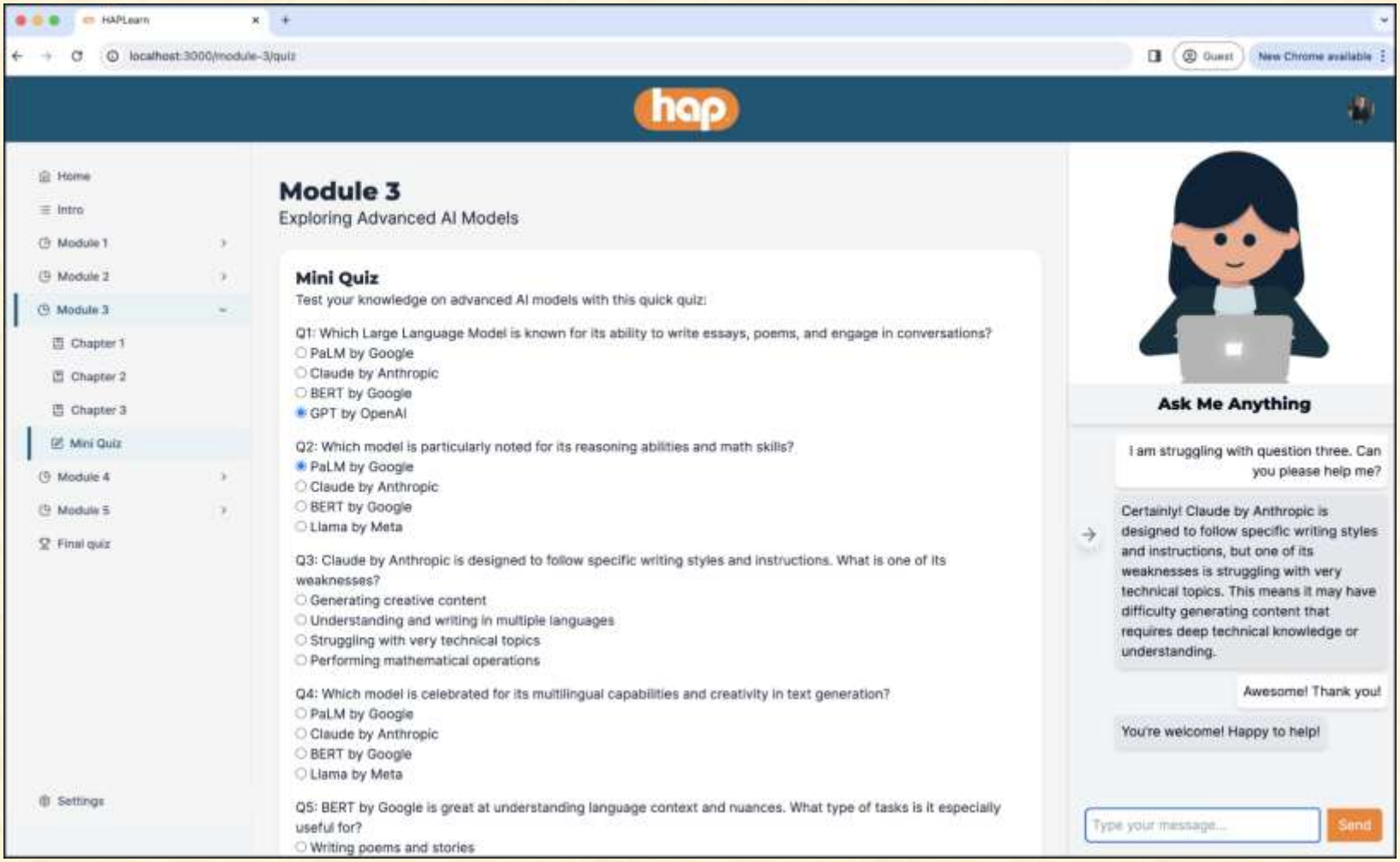
Landing Page



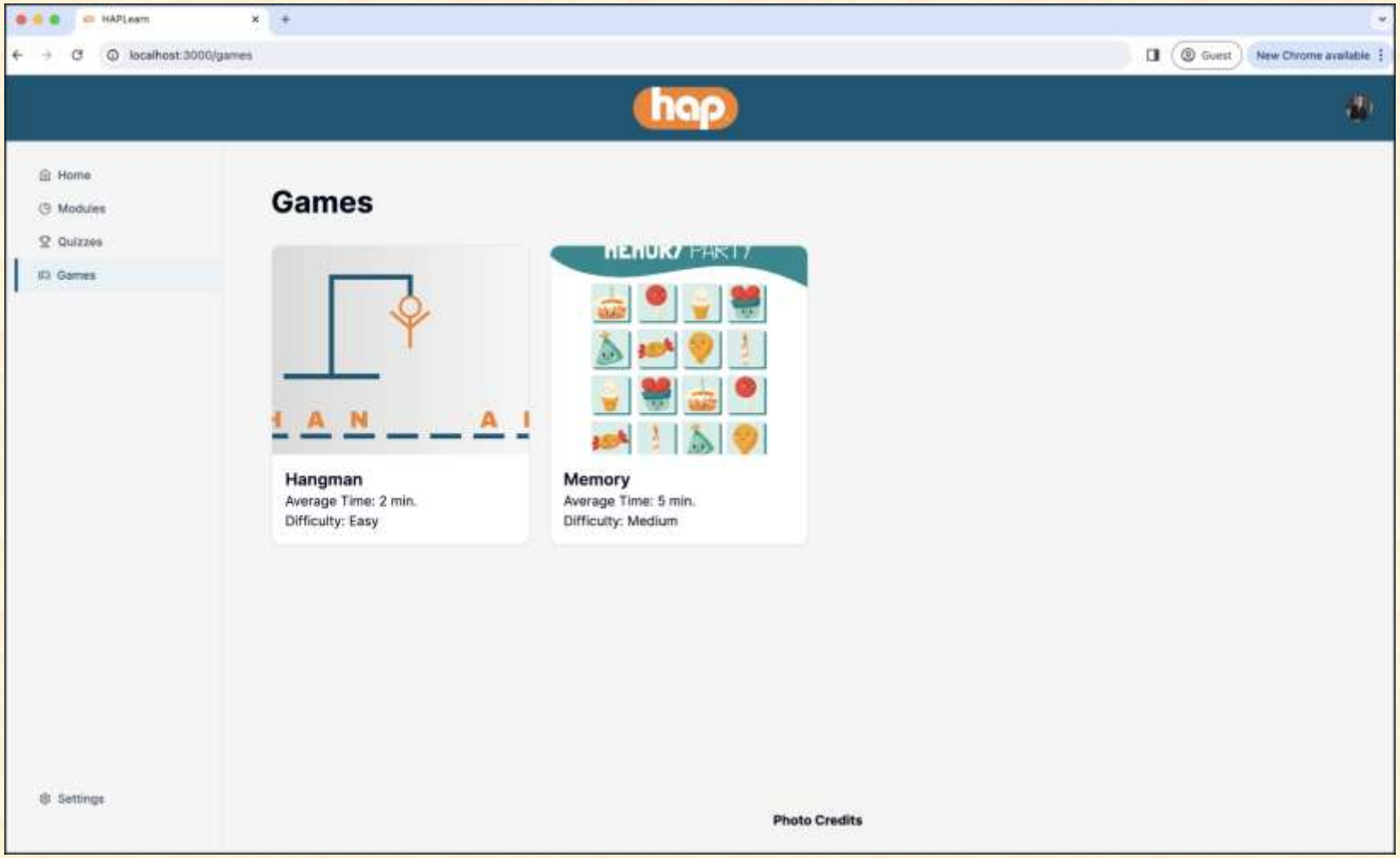
Module One


HAPLearn
localhost:3000/module-1/chapter-1
Guest
New Chrome available
hap
Home
Intro
Module 1
Module 2
Module 3
Module 4
Module 5
Final quiz
Settings
Module 1
Language Models
Chapter 1: Introducing Language Models
What are Language Models?
Language models are like smart friends for computers—they help them understand and predict human language. You know when your phone suggests the next word as you type? That's a simple version of what a language model does. It's like a helper that guesses what words might come next in a sentence, making it easier for computers to understand what you're saying.
Applications of Language Models
Language models are used in lots of everyday things, like texting, searching the internet, or talking to virtual assistants. They make our lives easier by predicting what we're trying to say or helping us find information faster. Whether it's completing your sentences or translating languages, language models are the behind-the-scenes helpers making it all happen.
How Language Models Predict Text
Ever wondered how your phone knows what word to suggest next? Language models use clever tricks to figure it out. They analyze lots of examples of text to understand patterns and relationships between words. By doing this, they can make educated guesses about what word might come next in a sentence, making them sound more like a human.
Language Models in Everyday Life
You might not realize it, but language models are all around us, making our digital lives smoother and more efficient. From auto-complete suggestions on your phone to voice commands with virtual assistants like Siri or Alexa, these models help us communicate with technology in a way that feels natural and intuitive.
Chapter 2
Ask Me Anything
Tell me some more uses of language models.
Language models can be used for generating human-like text, aiding in tasks such as content creation, chatbots, and automatic summarization.
Thank you!
You're welcome! If you have any more questions or need further assistance, feel free to ask.
Type your message...
Send

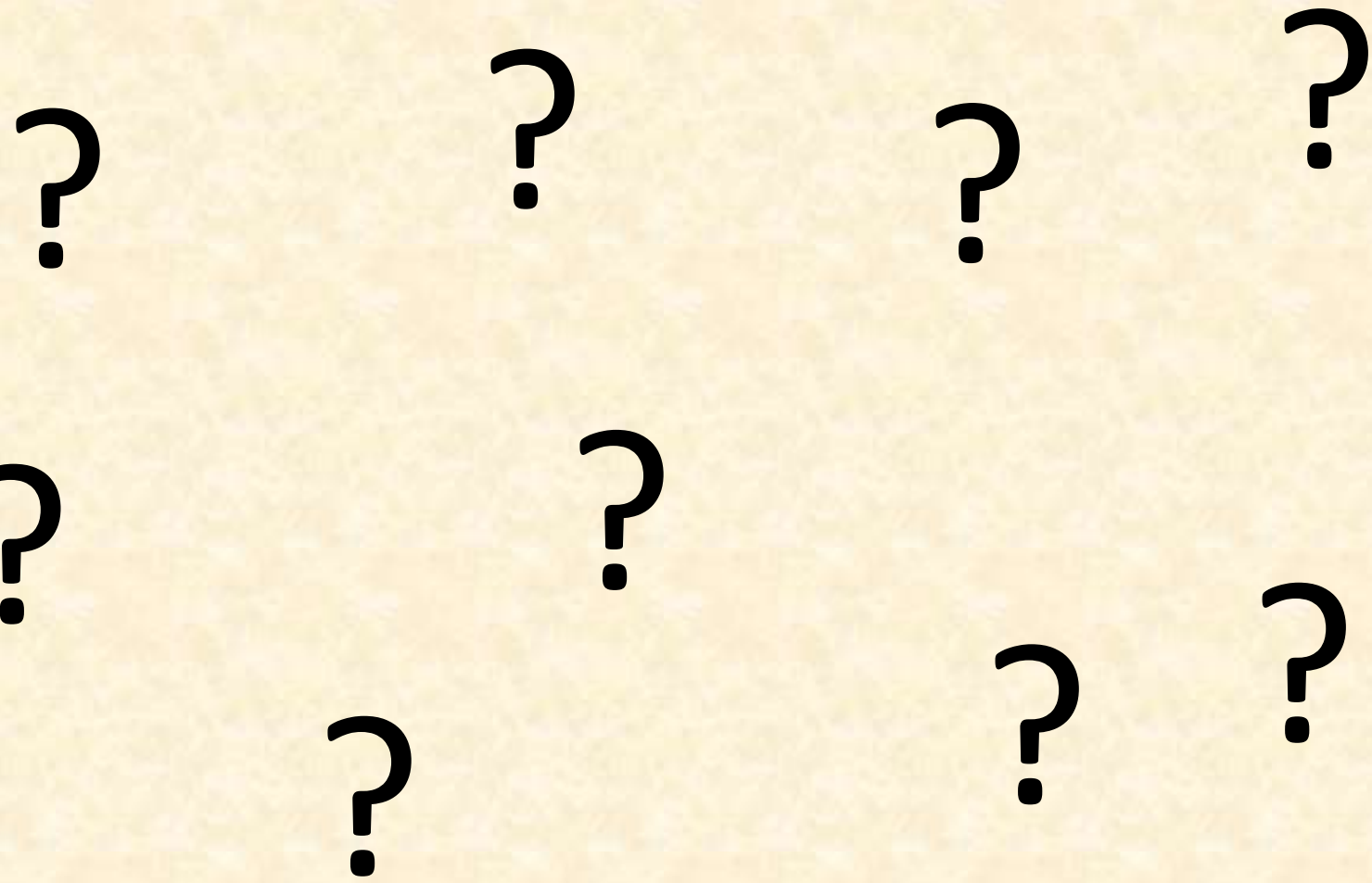
Quiz Three


HAPLearn
localhost:3000/module-3/quiz
hap
Home
Intro
Module 1
Module 2
Module 3
Chapter 1
Chapter 2
Chapter 3
Mini Quiz
Module 4
Module 5
Final quiz
Settings
Module 3
Exploring Advanced AI Models
Mini Quiz
Test your knowledge on advanced AI models with this quick quiz:
Q1: Which Large Language Model is known for its ability to write essays, poems, and engage in conversations?
PaLM by Google
Claude by Anthropic
BERT by Google
GPT by OpenAI
Q2: Which model is particularly noted for its reasoning abilities and math skills?
PaLM by Google
Claude by Anthropic
BERT by Google
Llama by Meta
Q3: Claude by Anthropic is designed to follow specific writing styles and instructions. What is one of its weaknesses?
Generating creative content
Understanding and writing in multiple languages
Struggling with very technical topics
Performing mathematical operations
Q4: Which model is celebrated for its multilingual capabilities and creativity in text generation?
PaLM by Google
Claude by Anthropic
BERT by Google
Llama by Meta
Q5: BERT by Google is great at understanding language context and nuances. What type of tasks is it especially useful for?
Writing poems and stories
Ask Me Anything
I am struggling with question three. Can you please help me?
Certainly! Claude by Anthropic is designed to follow specific writing styles and instructions, but one of its weaknesses is struggling with very technical topics. This means it may have difficulty generating content that requires deep technical knowledge or understanding.
Awesome! Thank you!
You're welcome! Happy to help!
Type your message...
Send

Games Page


HAPLearn
localhost:3000/games
Guest
New Chrome available
hap
Home
Modules
Quizzes
Games
Settings
Games
Hangman
Average Time: 2 min.
Difficulty: Easy
Memory
Average Time: 5 min.
Difficulty: Medium
Photo Credits

What's left to do?

- Add final quiz
- Lock Modules
- Finish resource & quiz page from landing screen
- Create extension(s) of project
  - Add more games
  - Certification of class
  - AI playground

Questions?