

# Group Project 3: Using the 'Old Farmers Almanac' Can Generative IA help users answer questions on the book?

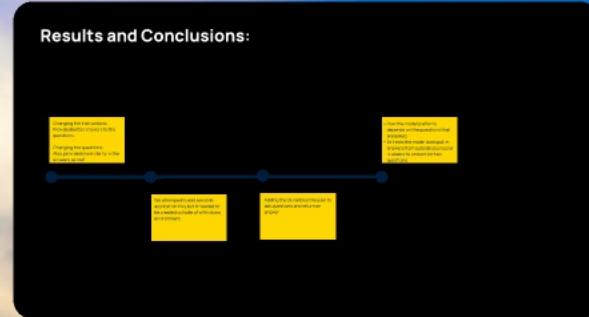
## **Meet Team 7: Frances Hollan, Lane Melton, Al Wagner**

Data Overview	Collection	Details
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	Creating Vectors	Details



## Project Overview

Our team choose agriculture for a model topic. There is a vast amount of information on growing food, grains, weather, and farming information. We choose the 'Old Farmer's Almanac' for our data to create a rag framework that a user can input questions on the GUI interface for the generative AI to output an answer.



## **Executive Summary**

- Find data worthy of searching.
  - Create a Generative AI model.
  - Link a user interface to data.
  - Create a model that performs with quality outcomes.



\*Image found at <https://www.mcdowellsemposium.com/product/78271/THE-2024-OLD-FARMERS-ALMANAC>

## Approach

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## Test Questions

- Who was born on this day?
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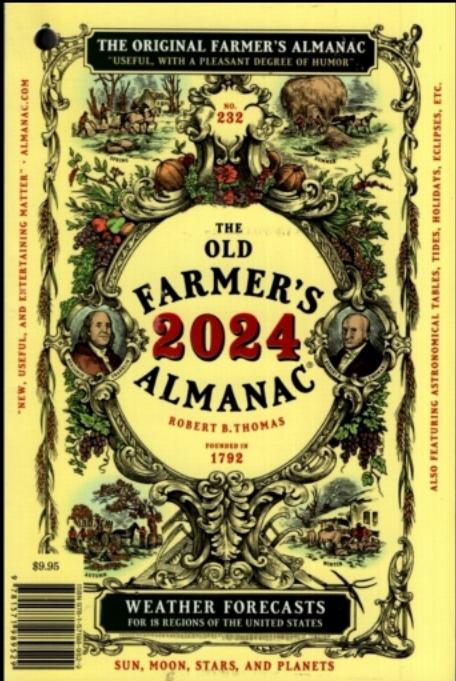
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Asking very specific questions created greater outcomes.

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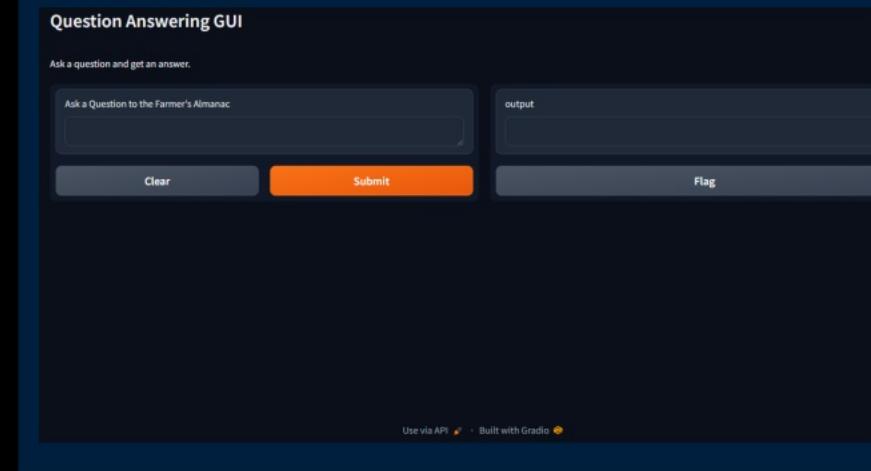
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## Gradio User Interface

<https://efaed4623ab068da4c.gradio.live/>



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# Results and Conclusions:

Changing the instructions:  
Provided better answers to the  
questions.

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Also, provided more clarity in the  
answers as well.

- How the model performs depends on the questions that are asked.
- At times the model does pull in answers from outside sources or is unable to answer certain questions.

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Adding the GUI allows the user to ask questions and return an answer.

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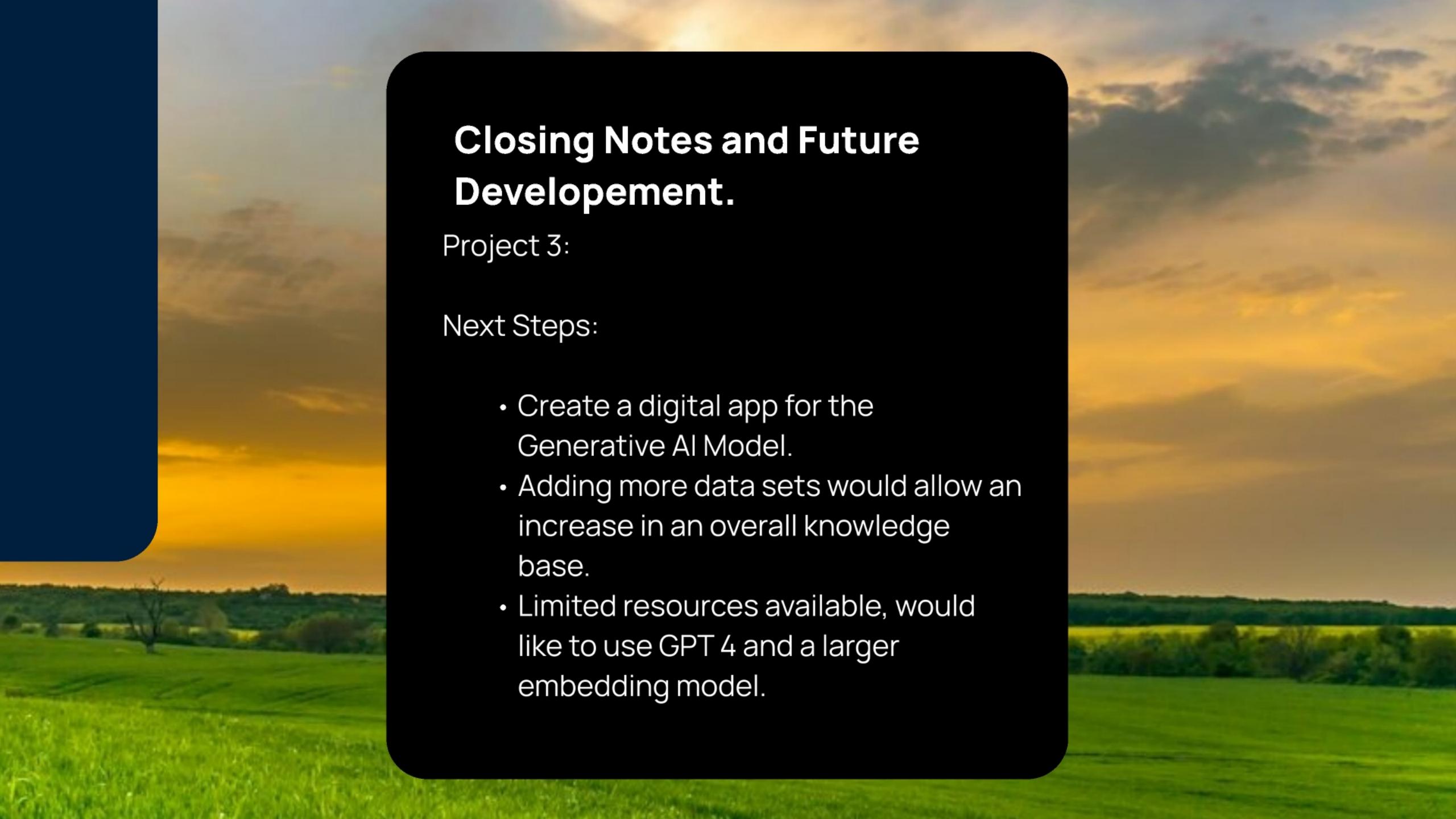
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## Closing Notes and Future Development.

Project 3:

Next Steps:

- Create a digital app for the Generative AI Model.
- Adding more data sets would allow an increase in an overall knowledge base.
- Limited resources available, would like to use GPT 4 and a larger embedding model.

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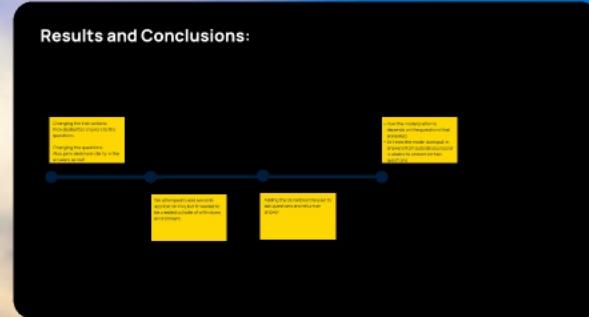
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