

The input is a pdf of a book e.g. The great Gatsby

You need to implement an AI application with a front end where the user can ask any question related to the book, and you can display a front end page with a beautiful looking UI answering the user's question within a short time.

You can pretrain the PDF, we don't set a time limit for the training part. But when a user asks a question, your flashcard-like UI must display within 5 seconds with an accurate answer.

The key point here is to generate fancy looking UI with go to page interaction front end UI within a short time. We don't limit the model usage, you can choose w.e. LLM model / API you like, the UI does not necessarily need to be as good looking as the below example, but the variety of questions and relative UI display format will be significantly considered. Do not try to restrict the output token number to achieve the speed. The final requirements are based on both the UI and generation speed.

See the following pages for detailed instructions.

Sample interaction UI

BookBuddy

Ask me about "The Great Gatsby"
Type a question about characters, symbols, or plot points from the novel

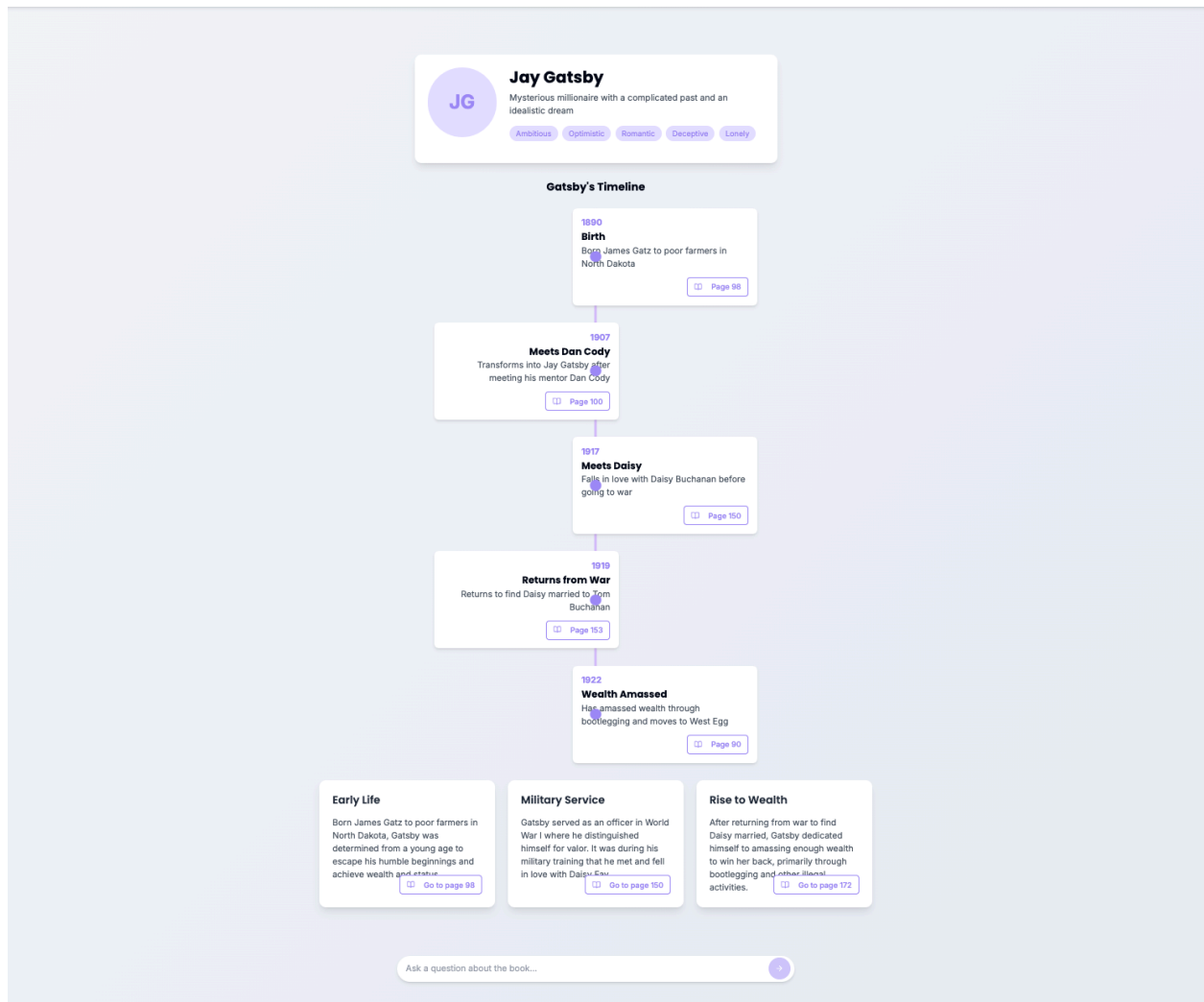
Try asking about:
"Tell me about Gatsby's life and experiences"

Try asking about:
"Tell me about the women characters in the book"

Try asking about:
"What are the major symbols in The Great Gatsby?"

Ask a question about the book... →

Ask question 1: Tell me about Gatsby's life and experiences
Then some UI like below should appear



Ask question 2: Tell me about the women characters in the book

Women of The Great Gatsby

The female characters in The Great Gatsby represent different aspects of 1920s American society and play crucial roles in the development of the story's themes.

Daisy Buchanan

Beautiful and wealthy, Daisy is the woman Gatsby loves. Her voice is 'full of money' and she represents the American aristocracy of the 1920s.

Charming Careless Wealthy

Superficial

"I hope she'll be a fool—that's the best thing a girl can be in this world, a beautiful little fool."

- Page 17

Read more on page 11

Jordan Baker

A professional golfer and friend of Daisy's, Jordan represents the new, independent woman of the 1920s. She is athletic, cynical, and pragmatic.

Athletic Dishonest Independent

Modern

"Life starts all over again when it gets crisp in the fall."

- Page 118

Read more on page 58

Myrtle Wilson

The wife of garage owner George Wilson and Tom Buchanan's mistress. She aspires to climb the social ladder and escape her working-class life.

Ambitious Sensual Desperate

Tragic

"I want to get one of those dogs. I want to get one for the apartment. They're nice to have—a dog."

- Page 35

Read more on page 28

Women in the 1920s Context

The 1920s marked a significant shift in women's roles in American society. The female characters in The Great Gatsby reflect both traditional values and emerging independence of the "flapper" era - a time of social and political change for women following World War I.

Fitzgerald uses these characters to explore themes of wealth, class, love, and the American Dream through their relationships with the male characters and their own personal journeys.

Ask a question about the book...

Question 3: What are the major symbols in The Great Gatsby?

Important Symbols in The Great Gatsby

F. Scott Fitzgerald uses rich symbolism throughout the novel to convey deeper themes and meanings.

The Green Light

Valley of Ashes

Eyes of Dr. T.J. Eckleburg

East vs. West

Weather

Description

A small light that burns at the end of Daisy's dock, visible across the bay from Gatsby's mansion.

Analysis

The green light represents Gatsby's hopes and dreams, particularly his hope for a future with Daisy. Its color symbolizes rebirth and the promise of the American Dream. As Gatsby reaches toward it in the darkness, it represents all that he yearns for but remains just out of reach.

Key Quote

"Gatsby believed in the green light, the orgastic future that year by year recedes before us."

- Page 180

Page References

First appearance - Gatsby reaches toward it

Go to page 21

Nick discusses what it means to Gatsby

Go to page 94

Final reference in the novel's closing passage

Go to page 180

Ask a question about the book...