



SHELFIE

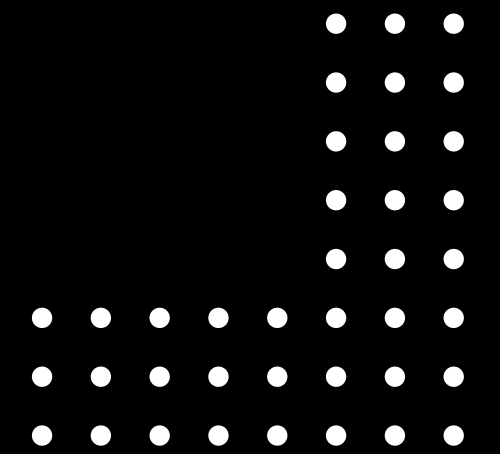
A book recommendation Chatbot using
IBM Watsonx AI



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from United Institute of Technology



VISION & PURPOSE

- A conversational chatbot using IBM Watson Assistant that recommends books based on user interests (genre, author, mood, etc.). Train intents and entities and create dialog flows.
 - This project focuses on building a Book Recommendation Chatbot using IBM Watson Assistant. The chatbot interacts with users in natural language, understands their preferences, and suggests personalized books. It aims to make book discovery easier, faster, and more engaging using AI-powered conversation.
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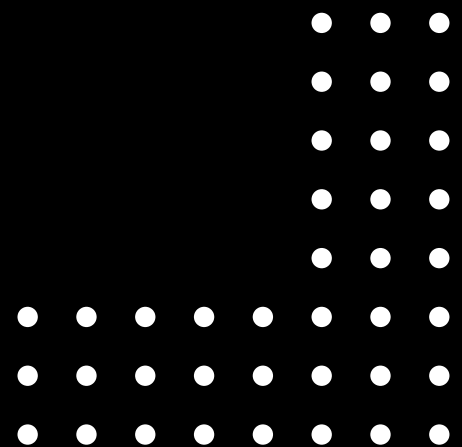
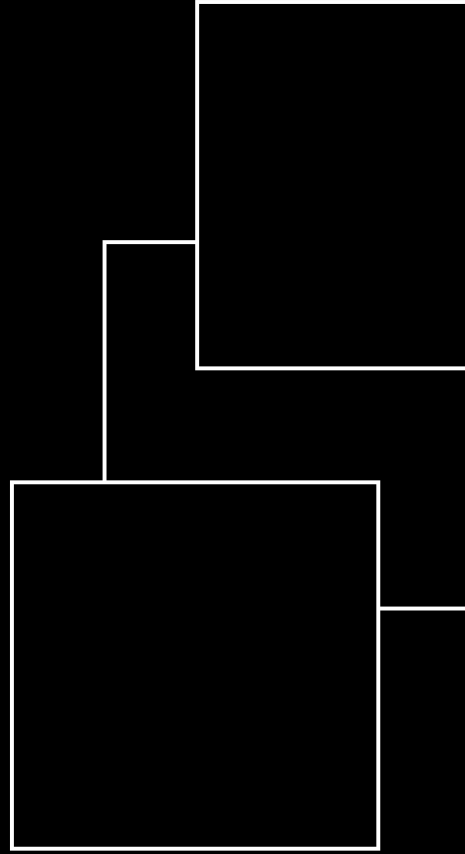
PROBLEM WE'RE SOLVING

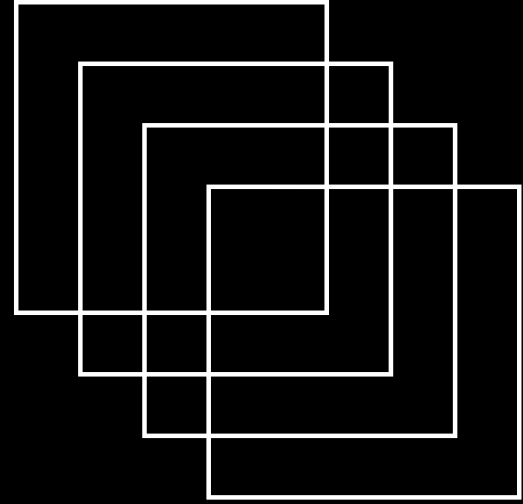
PROBLEM 01

- Too many book choices confuse users.
- Manual searching is time-consuming
- Readers want quick, personalized suggestions
- Lack of intelligent systems on reading platforms

PROJECT OBJECTIVES

- Develop an intelligent chatbot leveraging IBM Watson Assistant
- Offer personalized book recommendations using user inputs such as genre, mood, and author.
- Utilize natural language processing to interpret and respond to user queries.
- Deliver an interactive and user-friendly virtual reading assistant.





TECHNOLOGY USED

1

IBM WATSON ASSISTANT

Build the chatbot & dialog logic

2

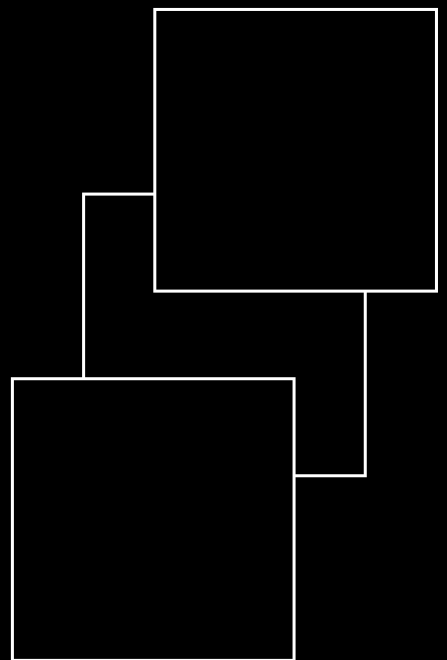
WATSON NLU

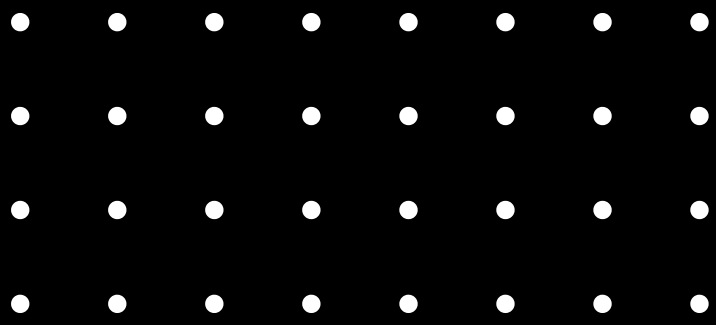
UNDERSTAND USER INTENT AND
EXTRACT RELEVANT ENTITIES.

3

HTML/CSS OR WEB WIDGET

FRONTEND CHATBOT INTERFACE.





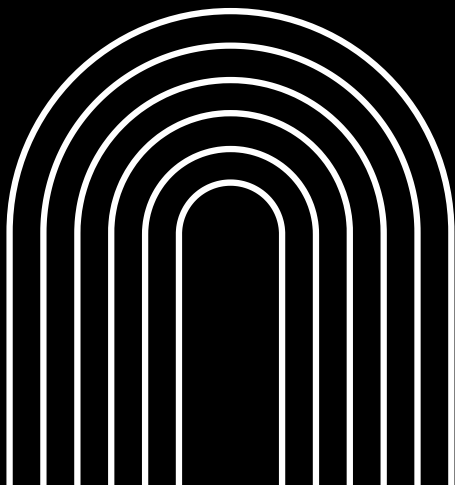
ENTITY AND INTENTS DESIGN

ENTITY

- Genres: Mystery, Romance, Sci-fi, Horror, etc.
- Authors: J.K. Rowling, Dan Brown, etc.
- Moods: Happy, Sad, Emotional, Inspirational

INTENTS

- "Suggest me a book"
- "I like mystery novels"
- "Can you recommend a thrilling story?"
- "Hello buddy"



DIALOG DESIGN

- User greets the bot
- Bot asks for book preference (genre/mood/author)
- User responds (e.g., "I like thrillers")
- Bot extracts genre using entity
- Bot suggests books matching input
- Bot asks if user wants another suggestion or ends chat
- Dialogs can be containing the genre, moods, authors and many more to respond the AI

1

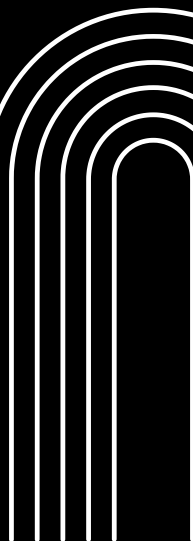
#GREETINGS- It takes greeting messages like hello how are you? and many more messages..

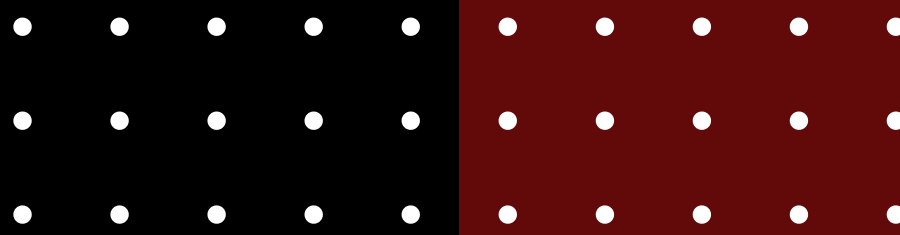
2

It contains book preferences means it suggests books on the basis of moods , authors ,ratings,genres etc.

3

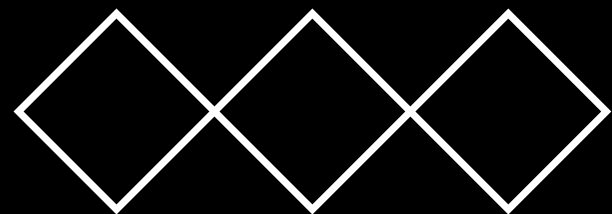
Bot responds with you on the messages of thank yous and many more things although it is a project so it is a short project using ibm watson.





OUTCOMES AND BENEFITS

- Personalized and quick book recommendations
- Easy to use via websites, apps, or messaging platforms
- Enhances user experience for readers and libraries
- Scalable, multilingual, and available 24/7



THANK YOU

