GemiLla: An Interactive Conversational Agent Platform
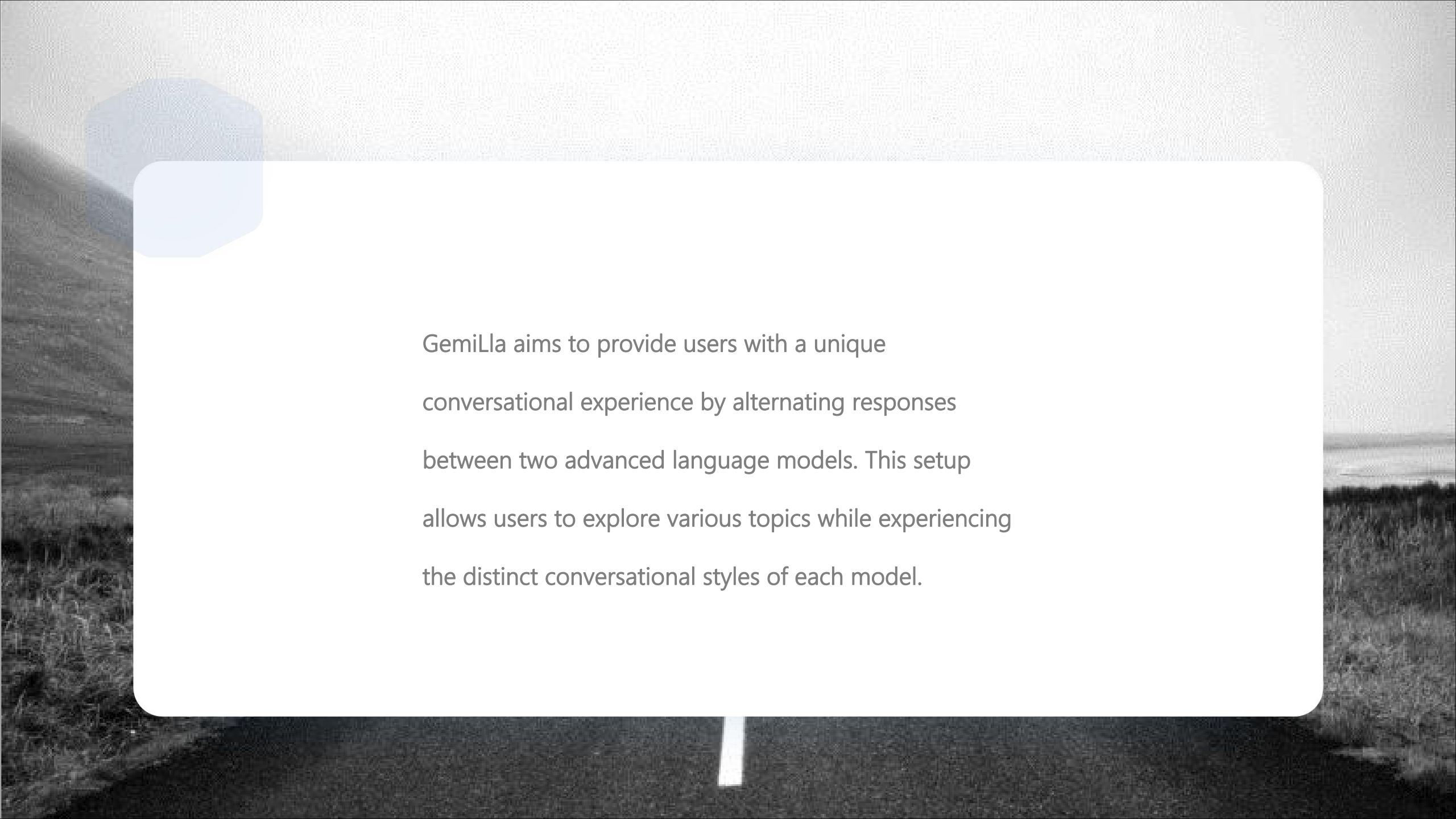
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01

Abstract

GemiLla is an innovative web-based application designed to facilitate engaging and dynamic conversations using two state-of-the-art language models: Meta's LLaMA-3 and Google's Gemini. The platform leverages the strengths of these models to create a robust conversational experience, integrating Streamlit for an intuitive user interface. This presentation outlines the key components of GemiLla, including its methodology, implementation details, and a demonstration of its capabilities.
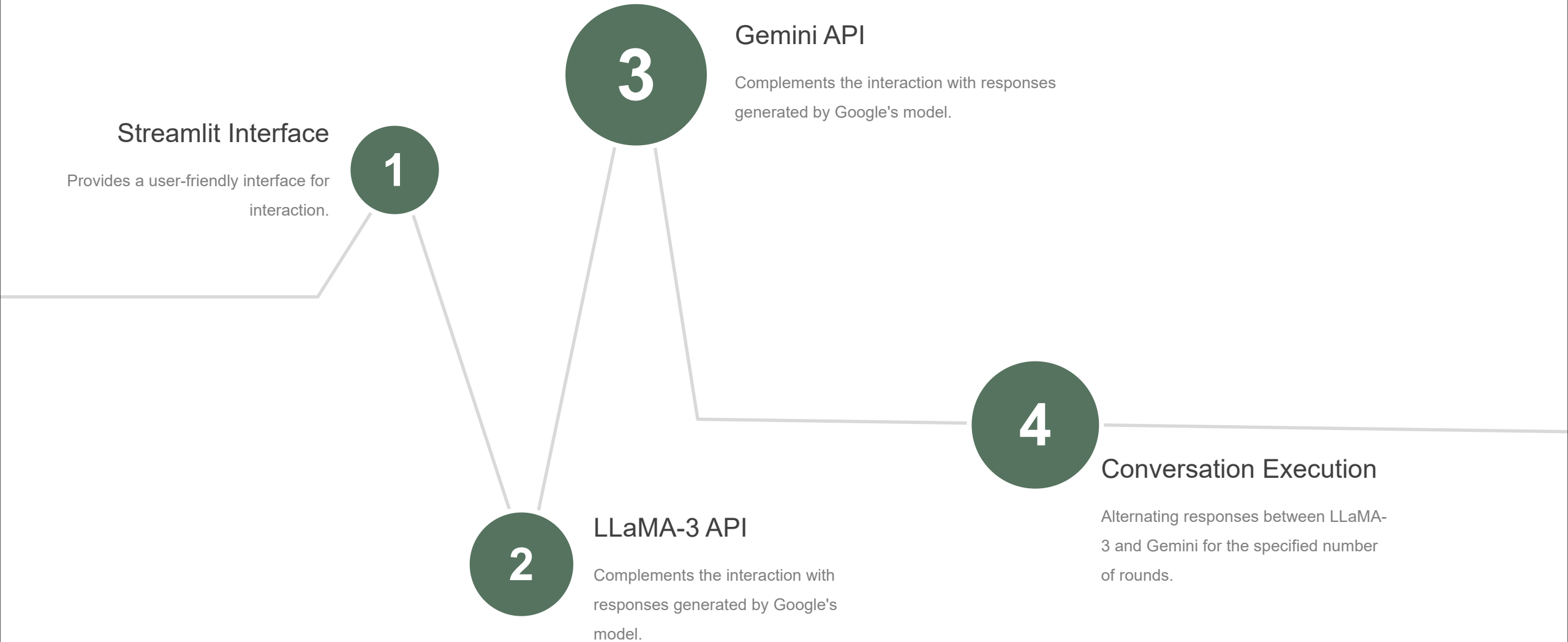
02

Introduction

GemiLla aims to provide users with a unique

conversational experience by alternating responses

between two advanced language models. This setup

allows users to explore various topics while experiencing

the distinct conversational styles of each model.

03 Methodology

Streamlit Interface

Provides a user-friendly interface for
interaction.

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3

Gemini API

Complements the interaction with responses
generated by Google's model.

4

Conversation Execution

Alternating responses between LLaMA-
3 and Gemini for the specified number
of rounds.

2

LLaMA-3 API

Complements the interaction with
responses generated by Google's
model.

04 API Integration

Configuration: Set up with API key and model parameters.

Request Payload: JSON with input prompt and parameters like temperature and max_tokens.

Gemini API

LLaMA-3 API
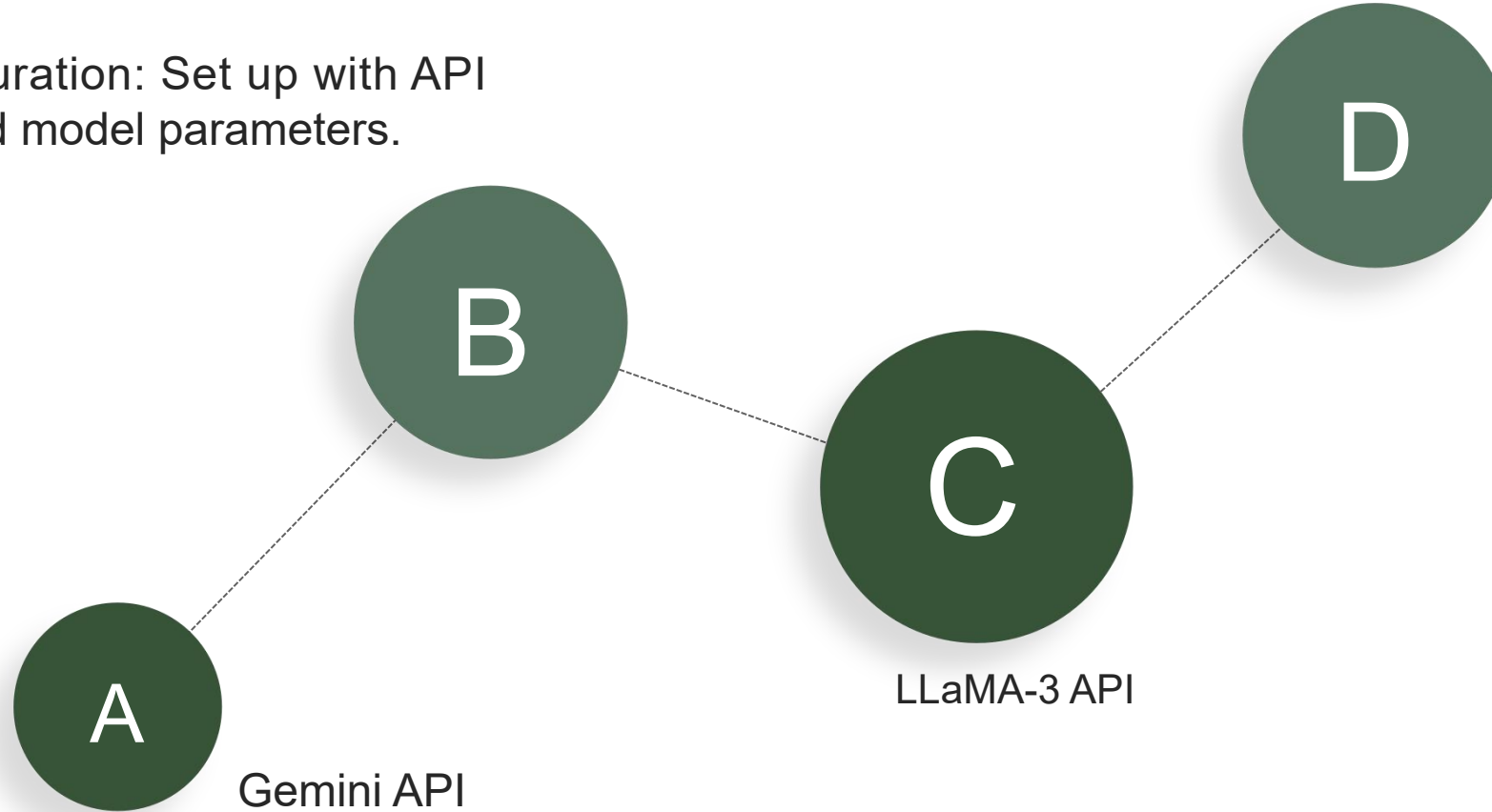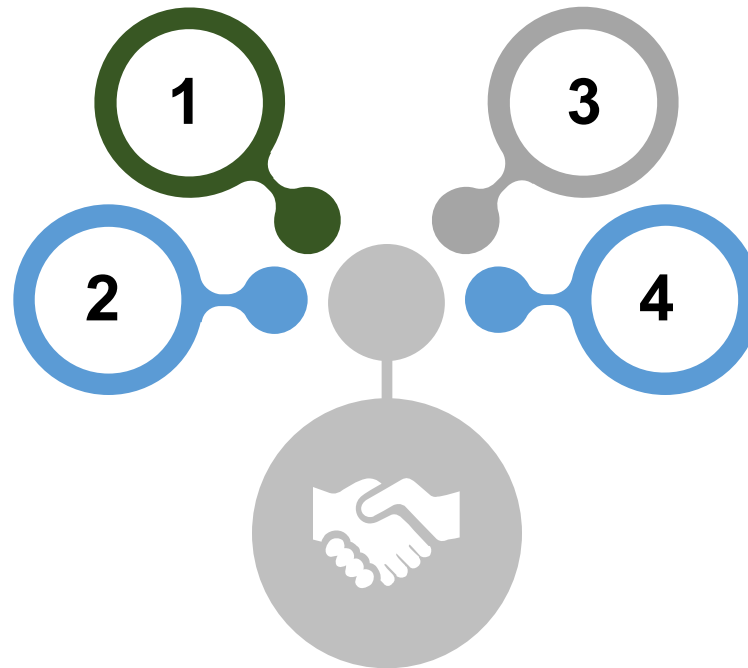
Gemini

05 Demonstration

Select Topic

Users choose a topic from a predefined list.

Add Custom Prompt

Optionally, users can input a custom prompt to guide the conversation.

Start Conversation

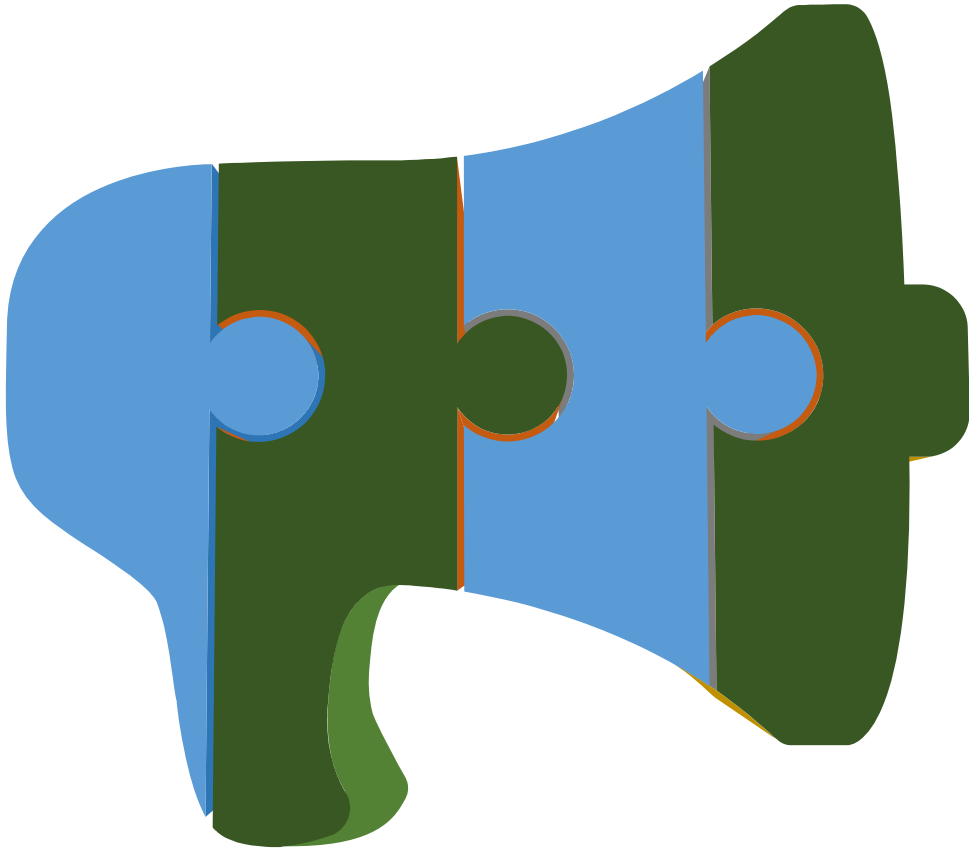Initiates the conversation, alternating between Gemini and LLaMA responses.

View History

Displays the full conversation history, allowing users to review the interaction.

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06 Conclusion

GemiLla showcases the potential of combining multiple advanced language models to create a dynamic and engaging conversational platform. The integration of Meta's LLaMA-3 and Google's Gemini within a Streamlit application highlights the capabilities of modern AI in facilitating human-like interactions.

THANKS

Thank you for your attention. Let's explore the future of conversational AI together with GemiLla!