



CartCompanion

Voice-Enabled Shopping Assistant Chatbot

Shop Effortlessly...!!!

Presented By : Shrutika Sachin Jadhav



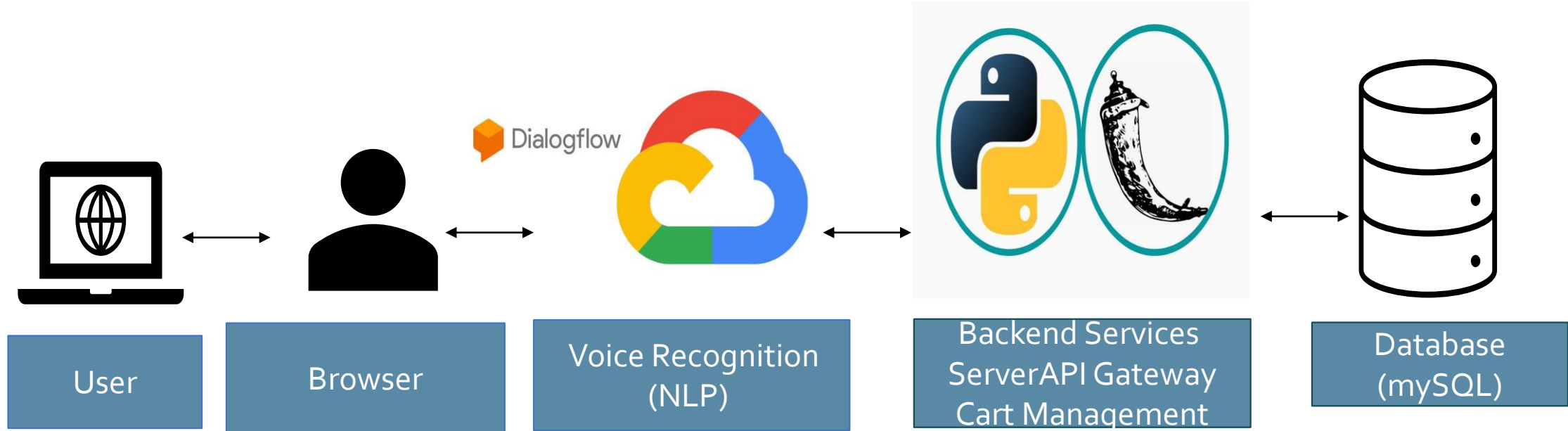
Problem


Online shopping often presents challenges, including time-consuming processes and frustration due to multiple steps required to add, remove, or order products. Traditional interfaces frequently lack personalization and efficiency, leading to user dissatisfaction. Additionally, there is a demand for scalable solutions that can be seamlessly integrated across various e-commerce platforms to enhance the overall shopping experience.

Key Features:


- **Add, Remove, and Purchase Items through Voice enabled Chatbot**
- **Functionality:** The integrated chatbot enables users to manage their shopping cart seamlessly within the chat interface.
- **Add Items:** Users can easily add products to their cart by specifying the item name.
- **Remove Items:** Users can remove unwanted items from their cart through simple commands, ensuring they only purchase what they need.
- **Purchase:** The chatbot facilitates a smooth checkout process, allowing users to complete their purchases directly within the chat without navigating away.
- **Track Order:** User can track their order using their Order id to track their order.
- **Benefit:**
 - Simplifies the shopping process and provides an interactive, conversational experience for users.

Flow Diagram






Frontend
HTML CSS
Javascript




AI/NLP
Google
Dialogflow ES



Backend
Python Flask

Libraries
Flask
MySQL
Connector



Database
MySQL

Technical stack

Platform Used

- Github : web-based platform used for version control using Git
- Google Cloud : Used for Mysql Database Storage
- Heroku : Deploy, build, run, and operate backend entirely in the cloud.



Market Research

- **Current offerings:**

Walmart Voice Order, H&M Voice Shopping, Samsung Bixby and Sephora Virtual Artist etc.

- **Limitations:**

Limited Integration: Restricted to specific ecosystems or retailers.

Scalability: Difficulty in managing complex conversations as demand grows.

Customization: Limited options to tailor to specific needs and branding

Target Market and Value Propositions

- Online retailers looking to enhance user engagement and streamline the shopping experience.
- Individuals who seek convenience through voice-activated technology.
- Users with disabilities who benefit from voice-activated interfaces.

CartCompanion Potential :

- Customizable and scalable voice-enabled shopping assistant.
- Versatile and user-friendly solution.



Subscription Plans: Basic, Pro, and Enterprise tiers for different business sizes.



Usage-Based Pricing: Charges for voice interactions and API calls.



Custom Development Services: Fees for tailored solutions and integrations.



Advertising and Promotions: Revenue from targeted ads and sponsored product listings.

Business Model

Future Scope

- **Security Enhancements:** Implement advanced encryption techniques for data protection.
- **Advanced Features:** Integrate for personalized recommendations.
- **Multi-Language Support:** Cater to a global audience.
- **Continuous Improvement:** Update UI based on feedback.
- **AR Integration:** Enhance product visualization.



Thank You.!