

ZaYou

ZaYou is an interactive application designed to facilitate voice communication between children of various ages and a friendly and safe AI bunny character. Children can ask questions and engage in conversations with the bunny, receiving vocal responses in return. The primary aim of ZaYou is to provide a safe educational platform where children can acquire basic knowledge in an engaging manner.

Features

- **Voice Communication**: Children can communicate with the bunny character using voice commands.
- **Interactive Conversations**: The bunny responds vocally to questions and prompts from the children.
- **Age-Appropriate Content**: Content is tailored to suit the learning needs and comprehension levels of children across different age groups.
- **Engaging Experience**: ZaYou offers an interactive and entertaining learning experience for children.

Technologies Used

ZaYou is built using the following technologies:

- **Python**: Used for the backend logic and communication between the application and the whisper API.
- **HTML/CSS**: Utilized for the frontend design and layout of the application's user interface.
- **API (Application Programming Interface)**: Integrated to facilitate communication and data exchange between the application and external services.
- **Whisper**: OpenAI API- Employed for audio implementation, allowing the bunny character to respond vocally to user queries.
- **GPT-4 TURBO**
- **Visual Studio Code**

Challenges Faced

During the development of ZaYou, we encountered several challenges:

1. **Audio Implementation**: Integrating voice communication and vocal responses posed challenges in terms of audio processing and playback.
2. **Technology Integration**: Coordinating the integration of multiple technologies, such as Python, HTML/CSS, and APIs, required careful planning and execution.
3. **Learning Curve**: Familiarizing ourselves with new technologies and tools added complexity to the development process.
4. **Project Initiation**: Getting started with the implementation of our idea required thorough planning and coordination among team members.

Future Features

In the future, we aim to implement the following additional features:

1. ****Assistance for Older Children****: Enhance the application to provide assistance and educational content tailored to older children.
2. ****Multilingual Support****: Expand the bunny character's knowledge base and enable multilingual conversations to cater to a diverse audience.

About Us

ZaYou is developed by a dedicated team passionate about creating innovative educational solutions for children. Meet our team members:

- Deyan Ivanov
- Filip Yordanov
- Boris Yordanov
- Dara Panayotova
- Raya Nikolova