

Game Title: AR LANGUAGE LEARNER

Overview:

Augmented Reality (AR) has emerged as a promising tool for language learners, offering a dynamic and immersive approach to mastering new languages. Through AR applications, learners can engage with virtual elements superimposed on the real world, enriching the language learning experience in various ways.

AR flashcards, for instance, bring vocabulary to life by overlaying 3D images or animations on traditional learning materials. This interactive method helps learners visualize and memorize words more effectively. Language translation in real-time is another significant AR application, aiding learners in understanding and interpreting foreign text seamlessly within their surroundings.

Gameplay:

1. Start the AR, select language option
2. Another UI gets opened, select the sentence u want to learn in another language
3. Then, place the mobile with the sentence to AR camera
4. You will see the translated sentence in the AR camera on mobile screen
5. You have an option either to quit or learn new sentence.

Benefits:

1. Immersive Learning Environment: AR creates an immersive and interactive learning environment where learners can engage with virtual elements superimposed on the real world. This immersive experience helps to contextualize language learning, making it more memorable and practical.

2. Real-world Contextualization: By overlaying virtual information onto the real world, AR helps learners associate language skills with real-world scenarios. This contextualization facilitates a deeper understanding of language usage in everyday situations, improving practical language skills.

3. Visual Reinforcement: Visual aids, such as 3D images, animations, and overlays, provide visual reinforcement for vocabulary and grammar concepts. This visual aspect can enhance memory retention and make abstract linguistic concepts more tangible

4. Interactive Engagement: AR language learning is inherently interactive, encouraging learners to actively participate in the learning process. Interactive activities, such as virtual conversations or gamified exercises, promote engagement and sustained interest in language learning.

Platform:

"AR Language Learner" is designed for the Unity game engine and is compatible with various platforms:

PC/Mac: Players can experience the game on desktop platforms.

Virtual Reality (VR): For an even more immersive experience, the game can be adapted for VR platforms, allowing players to explore the home in 3D.

Technologies:

Unity: The game engine provides a robust platform for developing 3D games with realistic physics and graphics.

C# Programming: Unity's primary programming language is used to implement game mechanics, interactions, and puzzles.

3D Modeling Software: Tools like Blender or Maya are employed to create detailed and visually appealing room designs.

Additional Features:

"AR Language Learner" provides a unique and engaging experience, blending exploration, Learning new language within the confines of a virtual home or in the real World. The AR adaptability to different platforms ensures accessibility for a broad audience.



What is your name?



Back

Play Again

Next

Game is available in through the following link

<https://drive.google.com/drive/folders/1FodncMRWnHDP7oJxHn5qH1pfMm9njKEU?usp=sharing>

DONE BY:

S. Harshitha Reddy-21951A6731

M. Hema -21951A6745

G. Deepthi Sarayu -21951A6731