Build the Snap & Learn English vocabulary learning application through images.

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Abstract: Mobile application development project supporting English learning through image recognition technology. Using Kotlin language and Jetpack Compose toolkit, the application allows users to take photos of objects to learn corresponding vocabulary via Google ML Kit Object Detection. Data is managed in real-time using Firebase Firestore, with Cloudinary integrated to optimize image storage. The application incorporates interactive features such as Flashcard learning, challenges with friends, and a leaderboard to maintain user learning motivation.

Keywords: English Learning, Object Detection, Kotlin.

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