WORD POWER — GOOGLE GLASS APPLICATION

CLIENT OVERVIEW

Our client is one of the renowned mobile e-learning solutions providers in the education industry. Considering the advent of newer technologies, the gadget explosion their end users are exposed to along with the introduction of Internet of Things (IoT) technology, our client offers new, innovative apps for all wireless devices including the elite ones. Their apps portfolio spans across a range of informative reference applications to some of the most interactive educational and puzzle game apps for varying age groups.

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KEY REQUIREMENTS

- Developing Google Glass rendering UI such as static cards and on-touch scrollable cards; which are very much unlike the normal smartphone screen
- Identifying and seamlessly integrating an open dictionary/ thesaurus
- Integrating native features with 3rd party engine to enable seamless and error free vision tracking capabilities
- Co-ordination with users' swipe movements for filtering the common words that the camera detects and selecting a particular word to provide the synonym
- Performing functional testing for critical aspects such as filtering of words, swipe responsiveness, quick search ability with no delay
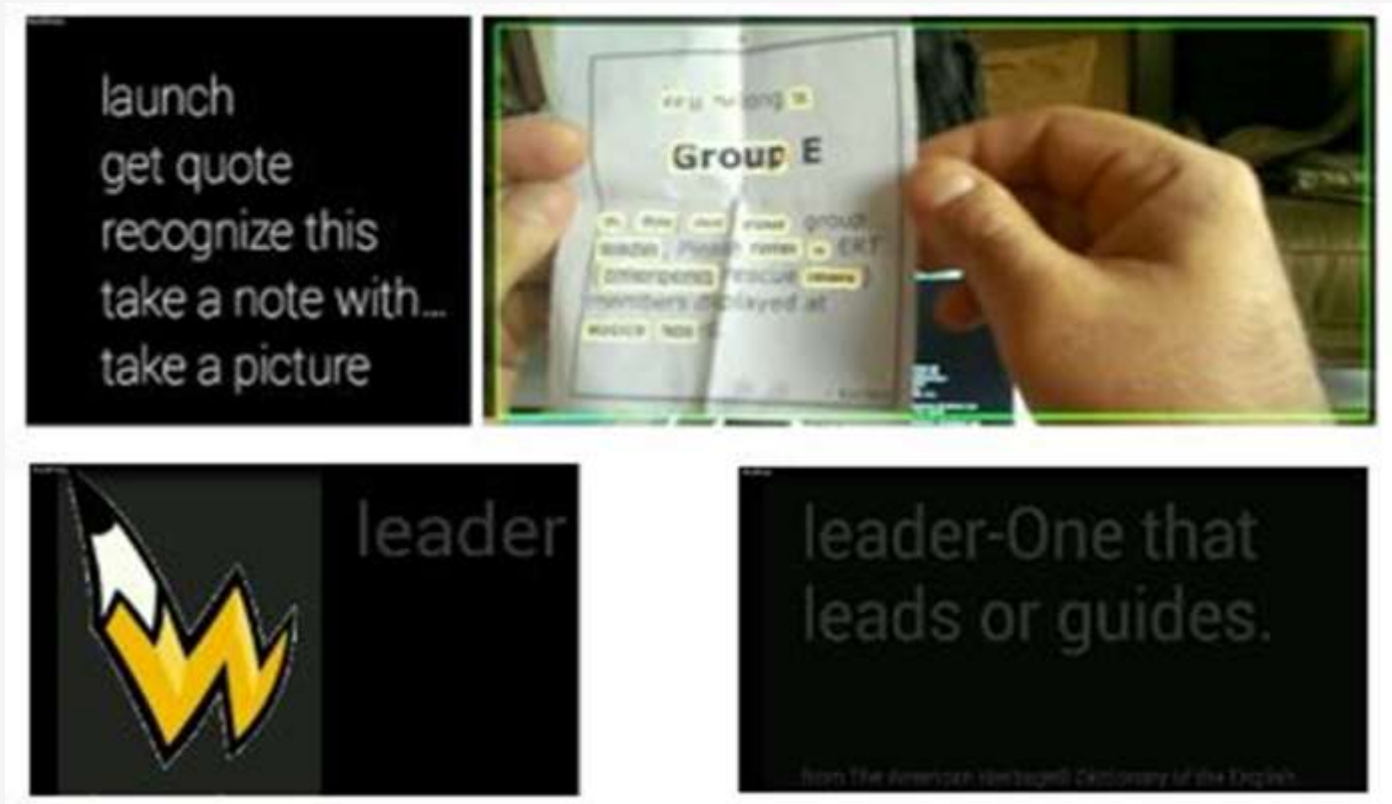
KEY CONTRIBUTIONS

- Developed a rich and intuitive UI for a new, unique wearable technology effectively using the Glass development kit with on-voice-command activation function
- Integrated seamlessly the native camera features with an augmented reality engine for vision based tracking of words
- Built static cards for each word being detected by 3rd party engine's words list. Each card was scrollable on swiping the touchpad horizontally.
- Provided easy functionality of just tapping the static card that holds the desired word, and a 3rd party dictionary API would provide the synonym of the selected word with zero delays
- Performed functional testing to check the co-ordination between swiping, tapping gestures and card movements ensuring a user expected filter and appropriate selection of words

KEY BENEFITS

- Client had the first mover advantage to have their simple, unique and highly useful application that operates on Google Glass

- Successful implementation of this application led the client to further opportunities for integrating this app features with their other educational course offerings and thus increase their foot-print

IMAGE

TECHNOLOGY STACK

- Glass Development Kit

About Xoriant:

Xoriant Corporation is a Product Development, Engineering and Consulting Services Company, serving technology startups as well as mid-size to large corporations. We offer a flexible blend of onsite, offsite and offshore services from our eight global delivery centers with over 2000 software professionals. Xoriant has deep client relationships spanning over 25 years with various clients ranging from startups to Fortune 100 companies.