



Please make a copy of this document and include this in your GitHub repository for your submission, using the tag #AndroidDevChallenge

Tell us what your idea is.

Describe in 250 words what the feature or service will do and how you'll use Machine Learning to push the bar:

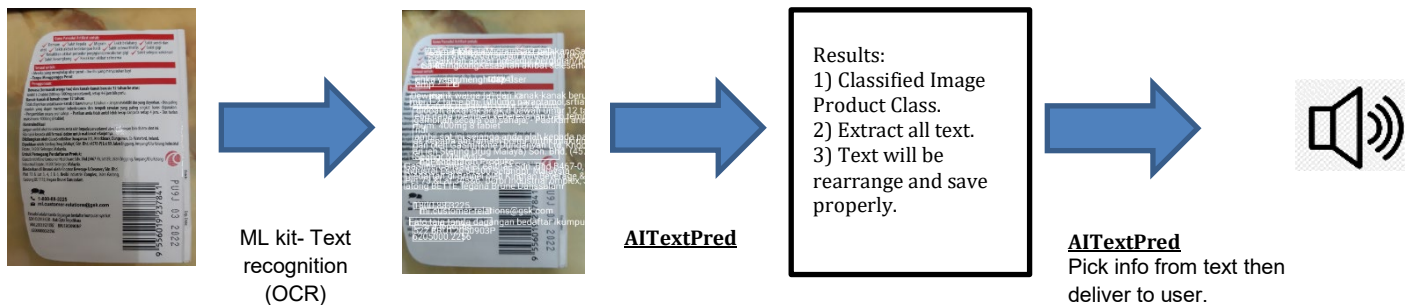
AITextPred

My idea is develop AI App that able to scan all text list (example: Ingredients, product use precautions, expire date, etc....) on the product surface, then automatically summary relate info and transfer to user via Audio.

This App not merely able to clarify the product/object, but also able automatically extract and classify information from text. This is an obvious advantage for users who are blind or vision impaired to better verify on each product/item.

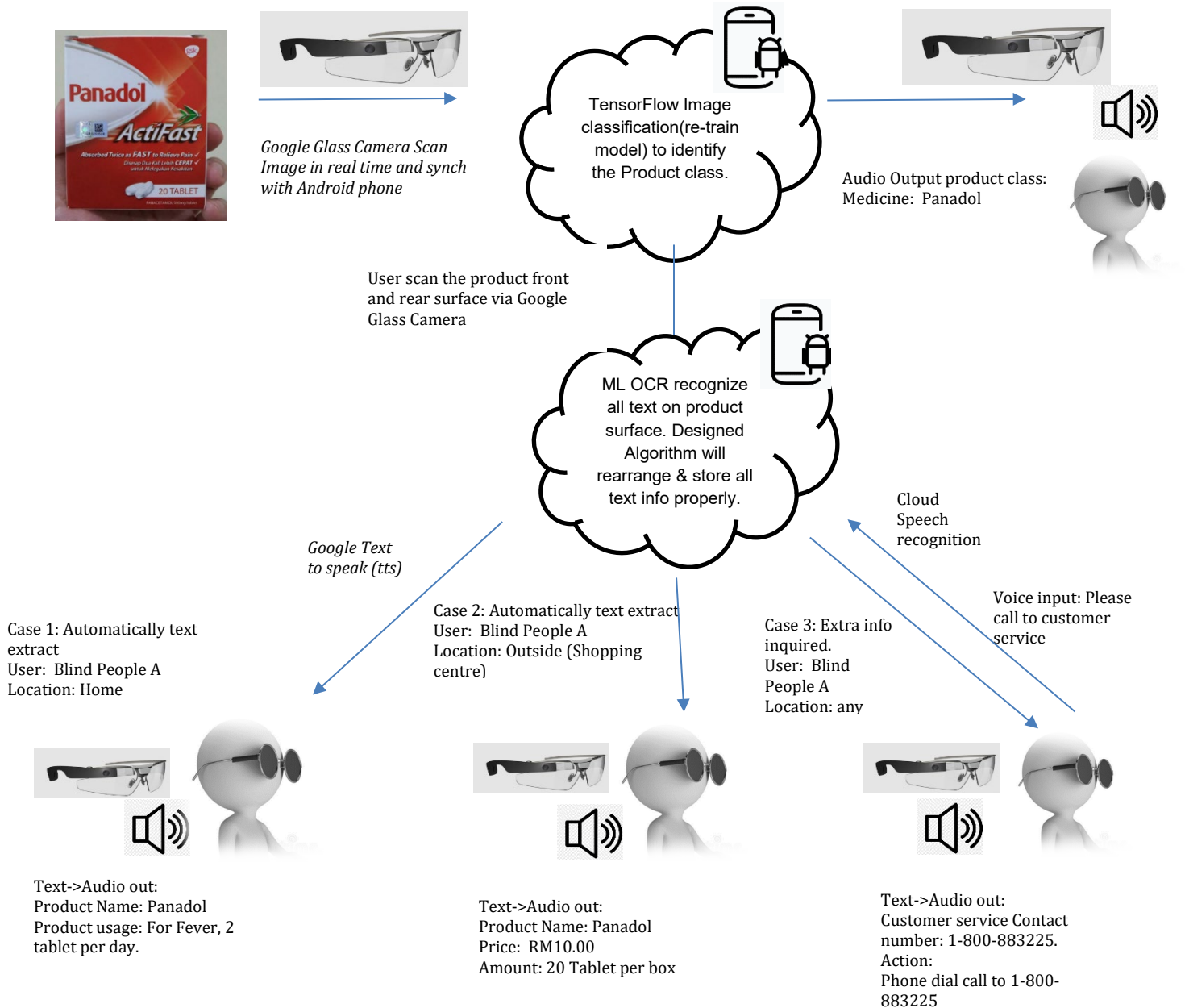
This App to design and implement by utilize Google Machine learning services /API together with Google Glass to Synch with Android phone where,

- Android phones (Installed with AITextPred for Data processing).
- Google Glass (Camera, Mic and speaker).
- Google Vision API with OCR (Optical Character Recognition).
- Tensorflow (images classification).
- Google Cloud Speech API (Speech recognition)





Concept Description:





(1) any potential sample code you've already written,

(2) a list of the ways you could use Google's help,

(3) as well as the timeline on how you plan on bringing it to life by May 1, 2020.

Phase 2: Beta test on phone. (1March - 15 March 2020)

Phase 3: App implement and Synch with Google Glass (16 March - 15April 2020)

Phase 4: Test and Improvement (16April – 30April 2020)

Phase 5: Made it as Open Source (Future)



Tell us about you.

A great idea is just one part of the equation; we also want to learn a bit more about you. Share with us some of your other projects so we can get an idea of how we can assist you with your project.

I am Heng ChangSong, bachelor of Computer engineering graduate from University Malaysia Sabah. I have an experience of working as an Embedded Software Engineer for 12 years in automotive field. As an Embedded Software Engineer ([Linkedin](#)) at DDMAN, we design and provide software solution for China Automotive OEM such as Geely, Chery, Great Wall, Robert Bosch Car Multimedia (Wuhu), etc. I have worked and managed lot of automotive base project such as Vehicle Instrument Cluster, Full programmable Cluster (Linux Base OS) and In-Vehicle infotainment (running Android 9.0 OS). Apart from these, Develop Android App is one of my hobby. At year 2014, my first Android app - [USB OTG Checker](#) was published to Google playstore. My most recent App (2019) was published to google playstore is a Caller and Dialer App - [MyAnimationDialer](#).

Next steps.

- Be sure to include this cover letter in your GitHub repository
- Your GitHub repository should be tagged #AndroidDevChallenge
- Don't forget to include other items in your GitHub repository to help us evaluate your submission; you can include prior projects you've worked on, sample code you've already built for this project, or anything else you think could be helpful in evaluating your concept and your ability to build it
- [The final step is to fill out this form to officially submit your proposal.](#)