Android Developer Challenge

Jay **R**ank

Developing a **wearable-app** To cure **Deafness** and **Dumbness**

About Me

An individual looking for a chance to strive against Removing Human Error of hearing as well as speaking.

An initiative to

Strive

against

Human Error

Vision

01 Connecting a wearable that can be put on the ear that sends the electric impulses directly to the middle ear via bones and hence, allows their mind to interpret and hear the voice of surroundings.

02 Developing a wearable that fits on the neck and can sense neuromuscular pulses below the vocal cord and hence, interprets them in the sound and emits them as a voice.

MISSION

Mission

Wearables developed for Deaf and Dumb people not only interprets data in real-time but analyses and rather come up with some of regularly and frequently used words and hence serve the respective person with better user experience by constantly popping those phrases to rather provide an option to carry it forward. Also, this more often daily used words are then stored in temporary memory and it automatically kicks in, whenever it feels it needs to be. This idea may be still out of phase for a person like me, but surely it has the potential to work and of course, many technical oriented people like you may be able to bring it to life one day.

B

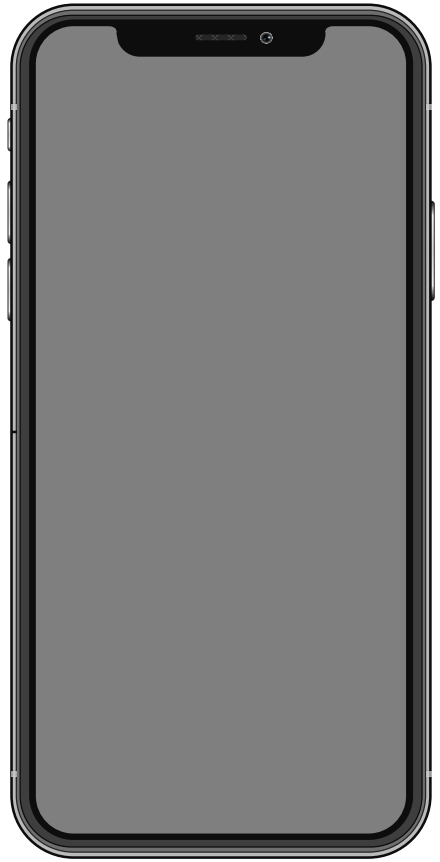
I

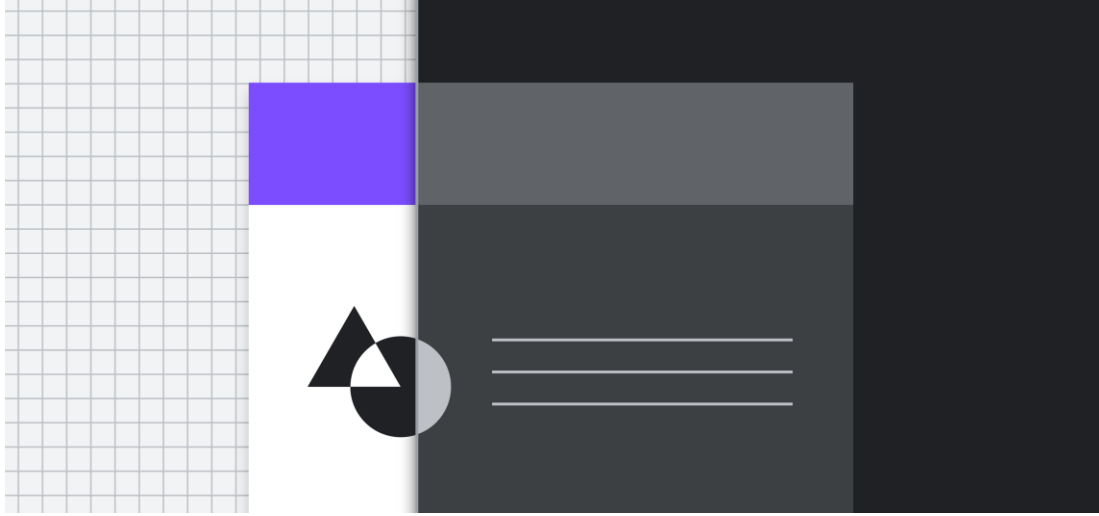
Builds

As already, we know that market is already providing products related to hearing impairment, another point to look for is google translate is already providing language translation.

Innovations

What I am proposing is to provide users a platform where not only live language translation is provided but also hearing as well as speaking impairment is provided. One platform to access all three features at a time.





An Interactive UI

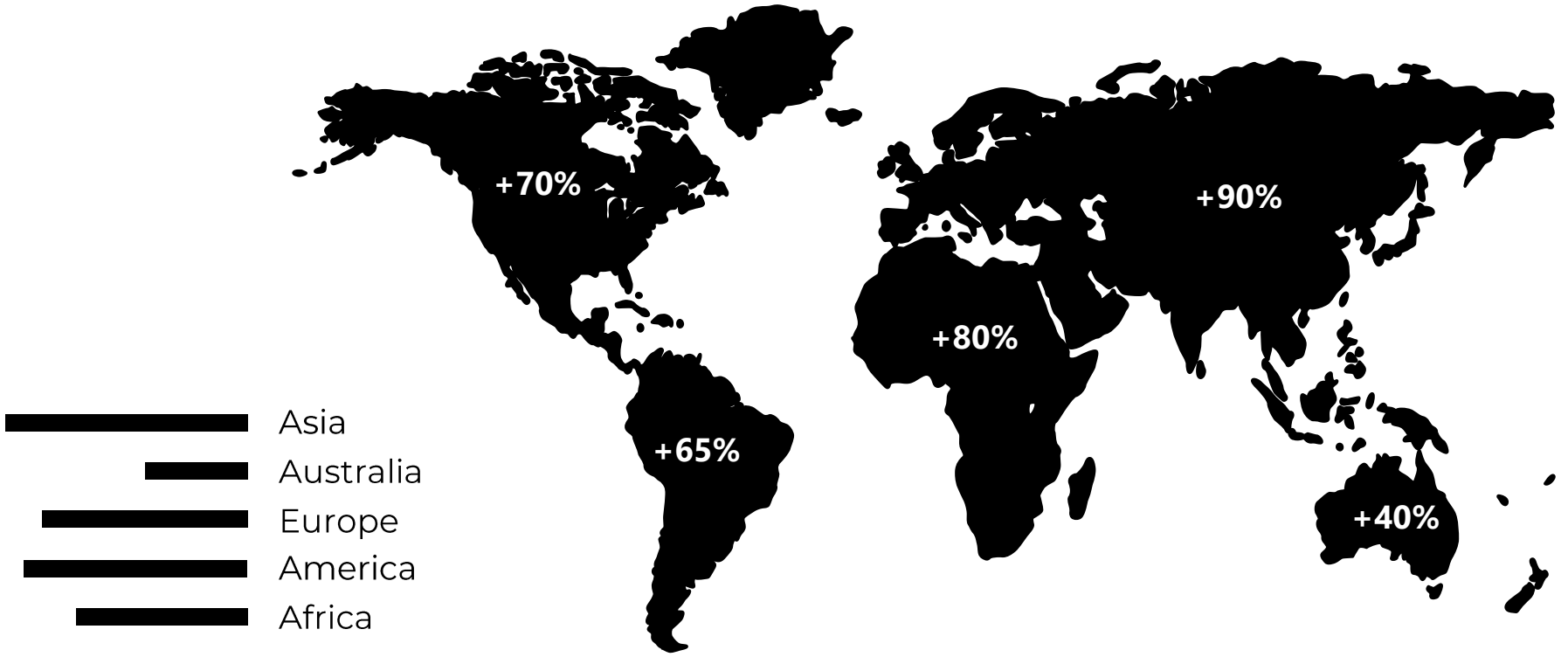
Because, Simplicity catches Audience

Google Fonts Developer API, People API, Service Consumer Management API are the UI prospects that will help us with providing better user experience as well as developing simplified-ambient UI to interact with and hence, provide an impact in sales and marketing services.

Global Need Distribution

Based on Customer Feedback from various

Other third-party users.



Early Launch For Training AI

Briefing down further, taking logs and manipulating the data in real-time across the world to better understand the need of the same wearable technology and also accordingly distribute the marketing sales as well as production and provide with low-cost upgrades immediately in those areas, and hence uplift the scale of our global community.

35M

PRODUCTIVE POPULATION

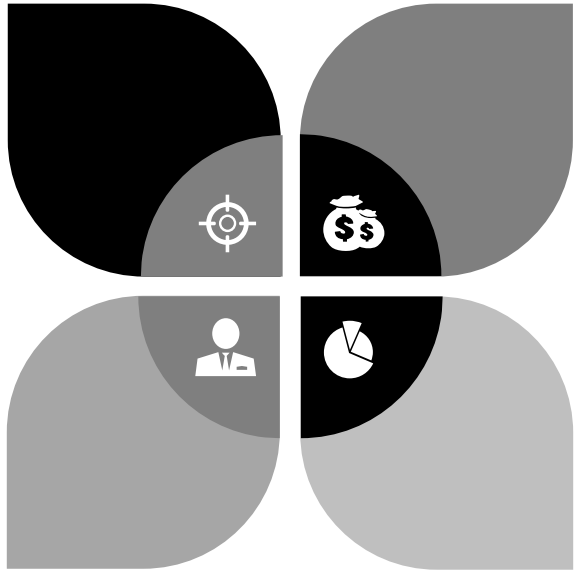
10M

Physically Challenged people without cure

Growth Production

Research For Need

Revenue collection



Customer Review

Surveys for Updating

Incorporated APIs

- Ad Experience Report API
- Admin Directory API 1
- Admin Reports API 1
- AI Platform Training & Prediction API
- Analytics Core Reporting API v3
- Analytics Metadata API v3
- Analytics Reporting API
- App Engine Admin API
- Apps Script API
- Big Query API
- People API
- Service Consumer Management API
- Stackdriver Error Reporting API
- Web Security Scanner API
- Cloud Asset API
- Cloud Build API
- Cloud Composer API
- Cloud Data Fusion API
- Cloud Datastore API v1
- Google Cloud Deployment Manager API
- Google Cloud DNS API
- Cloud Filestore API
- Cloud Key Management Service API
- Cloud Speech-to-Text API v1 and v2 beta 1
- Cloud SQL Admin API
- Cloud Testing API
- Drive Activity API
- Google Fonts Developer API

Contributions of APIs

Specific Service Distribution

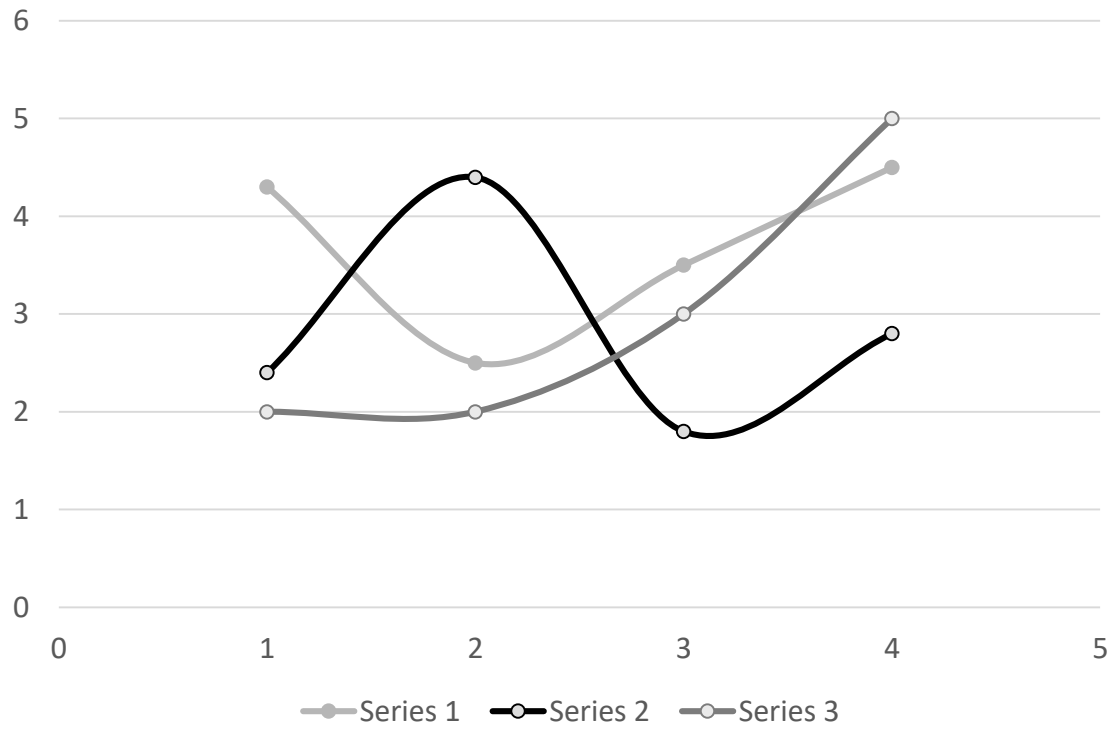
Google Cloud

For supporting the above big data analysis, incorporation of Analytics Core Reporting API v3, Analytics Metadata API v3, and Analytics Reporting API is provided, to get the most efficient and best of results, for handling this big of query responses integration of Big Query API is implemented. App Engine Admin API and Apps Script API are used for not much but administrating the entire procedures and logs that are to be parsed in the backend system of the app. Furthermore, cloud services provided by Google like Cloud Asset API, Cloud Build API, Cloud Composer API, Cloud Data Fusion API, Cloud Datastore API v1, Google Cloud Deployment Manager API, Google Cloud DNS API, Cloud Filestore API, Cloud Key Management Service API, Cloud Speech-to-Text API v1 and v2 beta 1, Cloud SQL Admin API, Cloud Testing API are used for providing, managing and storing data for the entire human resource market to better understand the market as well as for the means of external reviews such as customer surveys, focus groups, beta-testers, subject-matter experts and potential investors. For beta testing and provisions for security APIs like Stackdriver Error Reporting API, Web Security Scanner API is to be incorporated for further acknowledging the security and privacy of data of users connected. Google Fonts Developer API, People API, Service Consumer Management API are the UI prospects that will help us with providing better user experience as well as developing simplified-ambient UI to interact with and hence, provide an impact in sales and marketing services.

Training
Google AI Model
For marketing purpose

Briefing down further, APIs, SDKs and frameworks that are to be incorporated in the processing of the app that not only includes converting speech and text and other features mentioned earlier but also taking logs and manipulating the data in real-time across the world to better understand the need of the same wearable technology and also accordingly distribute the marketing sales as well as production and provide with low-cost upgrades immediately in those areas, and hence uplift the scale of our global community.

GCP Services



Marketing Product Using GCP services

01 Need-based Update

Selective Updates in required areas of dormant investment leads to more and more fund raising for future investment in any other innovation.

02 Productivity

Deploying and taking consideration of almost every other UI prospects in collaboration with best simplified user experience.

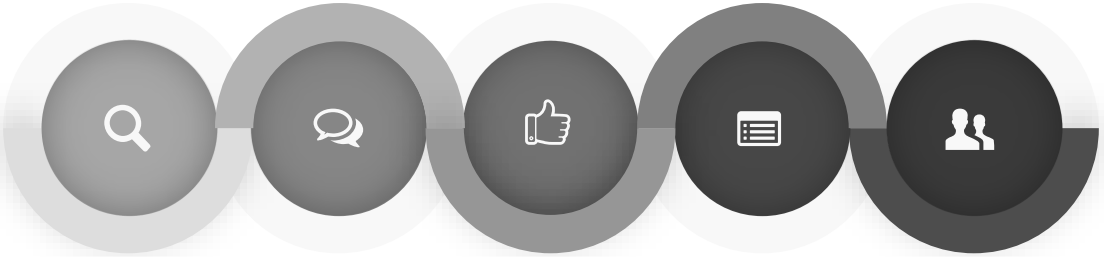
03 Distribution

Distribution based on above mentioned factors would consume time constraint but rather provide us with overtime better economical as well as community services.

Architecture

Key-Points / Milestones

Cloud services provided by Google like Cloud Asset API, Cloud Build API, Cloud Composer API, Cloud Data Fusion API, Cloud Datastore API v1, Google Cloud Deployment Manager API, Google Cloud DNS API, Cloud Filestore API, Cloud Key Management Service API, Cloud Speech-to-Text API v1 and v2 beta 1, Cloud SQL Admin API, Cloud Testing API are used for providing, managing and storing data for the entire human resource market to better understand the market as well as for the means of external reviews such as customer surveys, focus groups, beta-testers, subject-matter experts and potential investors.



DETAILS

1. **Research**
2. **Communication**
3. **Project Brief Prep.**
4. **UI design / App Creation**
5. **Deploy and Updates as per feedbacks**

Timeline:

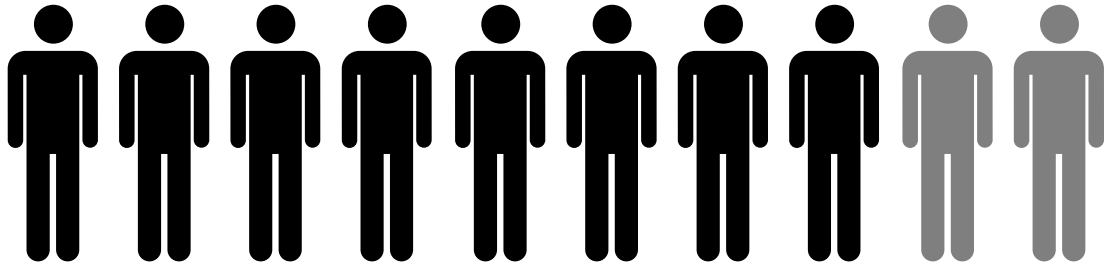
By mid-January: I tend to complete the development of the app for the above-mentioned purposes and also finish the integration of a live language translator.

By March-end: I tend to complete the developing and processing of wearable for a deaf person and hence integrate it in my app and be ready for use.

By May-end: I finish the most important and toughest part of my idea i.e. finishing the developing of wearable for a dumb person to help them provide a voice

MIRACLES AROUND

Uplifting Globalization Community Scale



8 FROM 10 CHALLENGED Cured

Though this idea is still in its infant stage, it can still be brought to life, if only right nurture is provided which from my perspective can only be provided by Google. More than I need this opportunity, I really hope, countries like mine are god blessed with this miracle.

THANK YOU