

Team Check-in

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- 5 Melody Lui Ruo Ning (A23CS0244)



Design Thinking Project



Time: 5 minutes



Today's Agenda

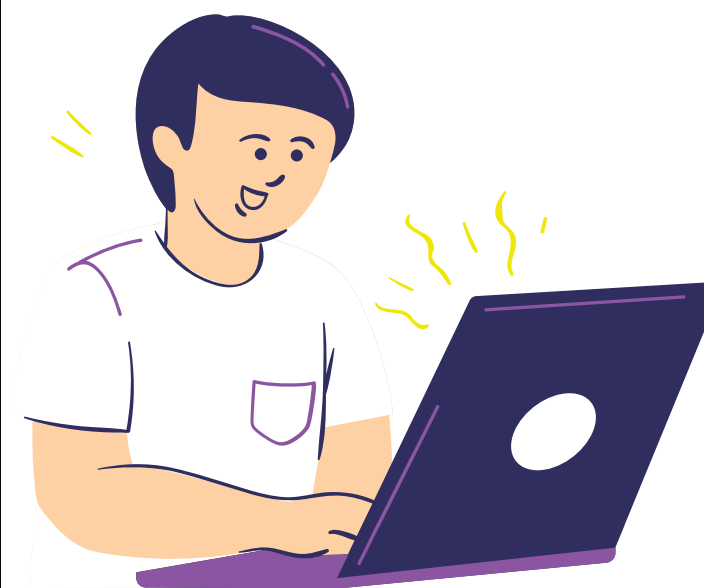
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|----------|----------------------|----------|-----------|
| 1 | Introduction | 4 | Teamwork |
| 2 | Detailed description | 5 | Prototype |
| 3 | Solution | | |

Introduction

There was an idea to turn conversations into connections. Introducing DirecTranslate, an exciting project that's like your personal language companion. Following the design thinking process, think of it as Empathy, Define, Ideate, Prototype, and Testing being its superhero squad. Imagine this, in a world where language barriers can be a bit annoying, DirecTranslate comes in with a mission to make communication a breeze, no matter where you're from. DirecTranslate is not just an app, it's a friend who helps you break down barriers and brings people closer together.

Turning conversations into connections



- Reliable
- Friendly
- Effective

EMPATHY

- Empathy is actually referring to ability to understand the problem that are facing by end-user.
- We need to put our shoes in end-users' way of thinking in order to empathize the situation.
- Communication with foreigner still causes troublesome among people who are not good at other languages. To know it in details, we had an interview with a student.



DEFINE

Problem	Solution
Spending time to do translation online	Develop an app for direct translate any language under your finger tips in two twos
Lead to misinterpretations and misunderstanding from a mispronunciation of a word to lack of specificity.	Utilise non-verbal gesture and language to enhance understanding. Else, develop phonetic transcription for word in app in order to assist users in pronouncing
Technological limitations such as limited access to communication tools.	Design app for low bandwidth environments.
Language-based biases can happen.	Develop clear guidelines and algorithms which consider fairness and inclusive during data collection for app development.



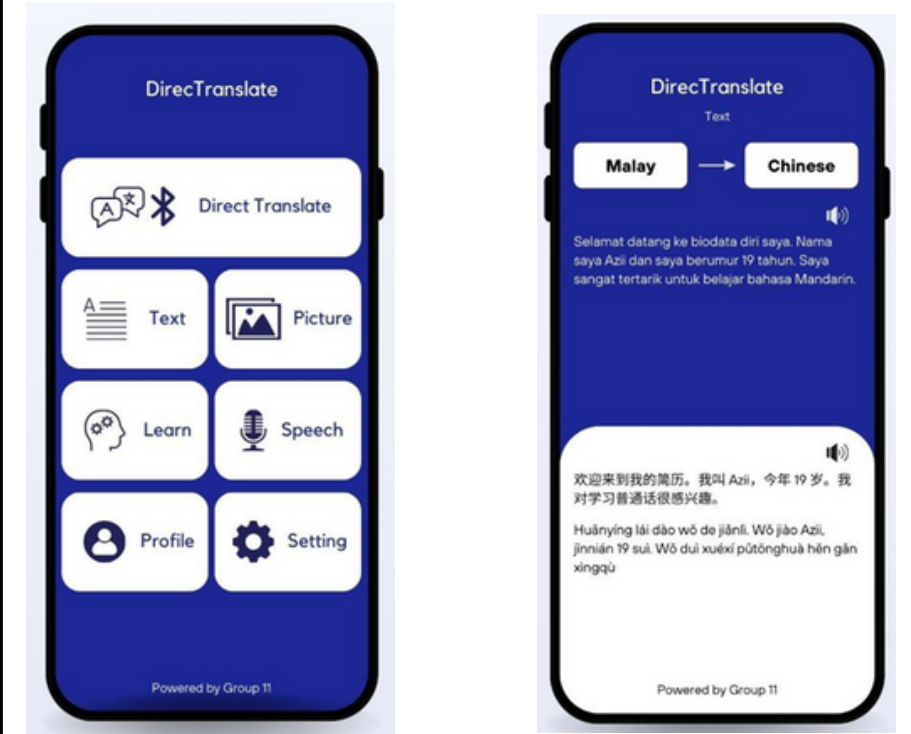
IDEATE

- We require to spark off ideas in the form of questions and solutions through creative and curious activities such as brainstorm
- Goal : generate large number of ideas that are potentially involve innovation and revolutionary in order to bring the practical and innovative ones to the end-users.
- We would redesign and come up with a totally new platform that supersede all the existing features of other apps.



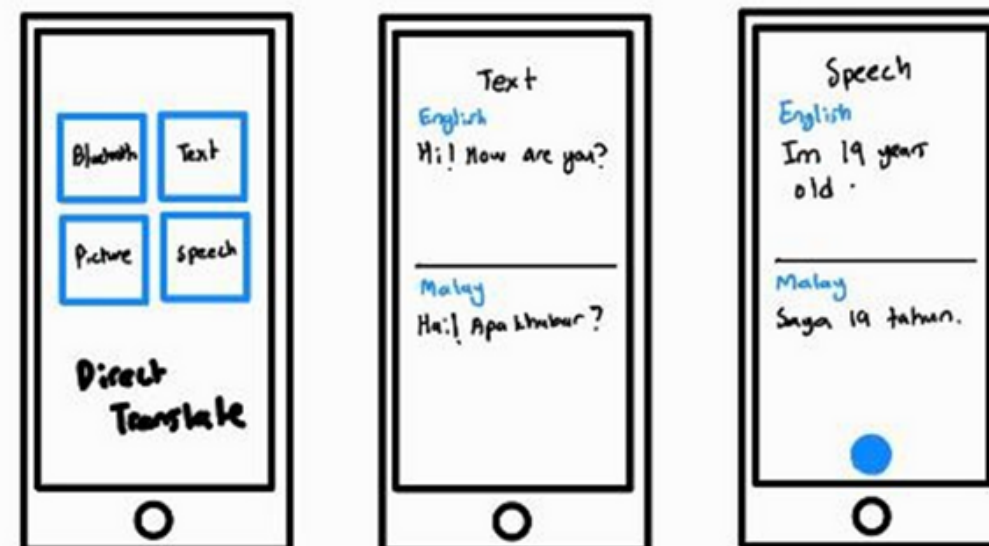
PROTOTYPE

- We made an user interface by using Canva. We use a phone to show our interface as it is a mobile application.



TESTING

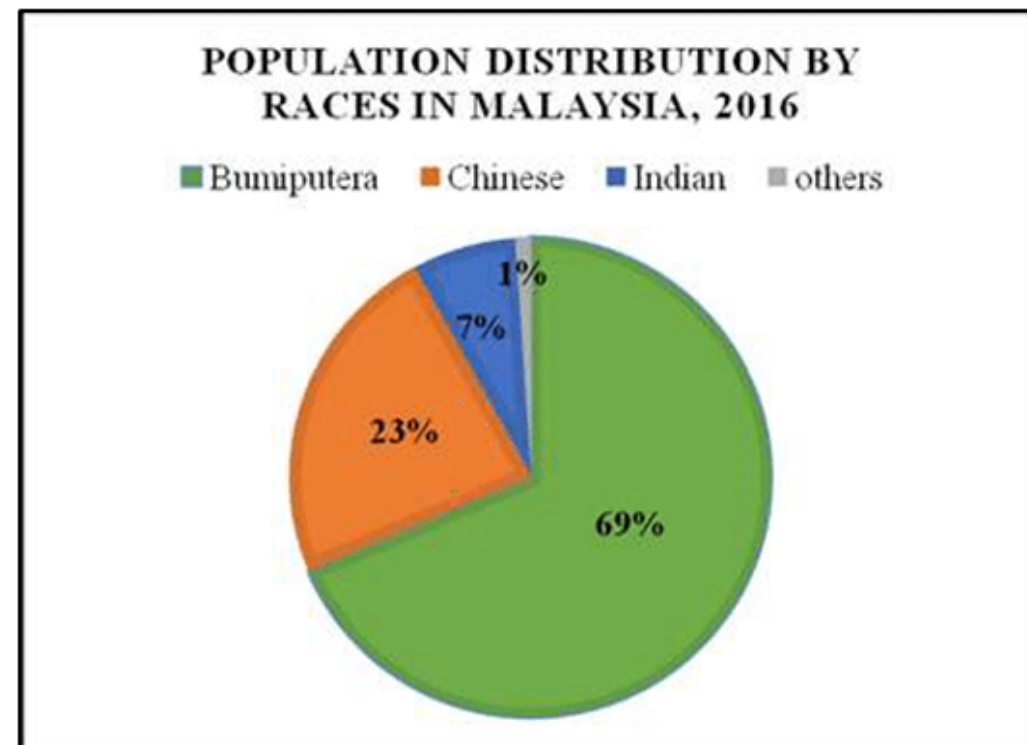
- After completing the prototype, we did some internal testing and we all satisfied with the prototype.

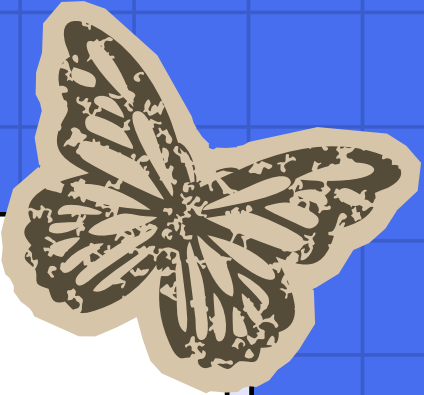


→ Evidence
SAMPLE WORK



Detailed Description



- 
- Key problem is **communication**.
 - Faced difficulty to have a communication with someone who has different mother tongue
 - People talks in language that synonymous to their own race as first language
 - Long term solution, can attend class and learn
 - After brainstorm
 - Mobile application
 - Can translate, automated response, help study
 - Great group members with a greater mindset make the task so much easier to complete >_<

Brainstorm

Portable

Compact

Minimalist

Can be used
offline

Effective

Rapid speed
in response

User friendly

Efficient in
translating in
any
languages

Informative

Copy a sticky
note, then
write your
thoughts.

Solution

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EMPHATIZE



- We conducted interview to the person who really love travel
- We find out their problem while travelling
- Main factor is language barrier

DEFINE

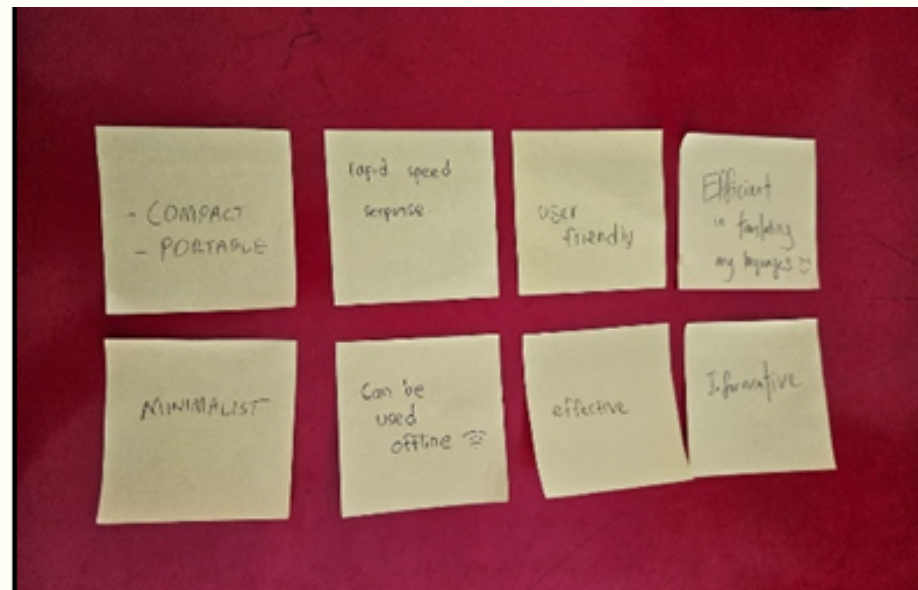
- We figured out their problem from different aspects
- Most of them face an inaccurate translation



Solution

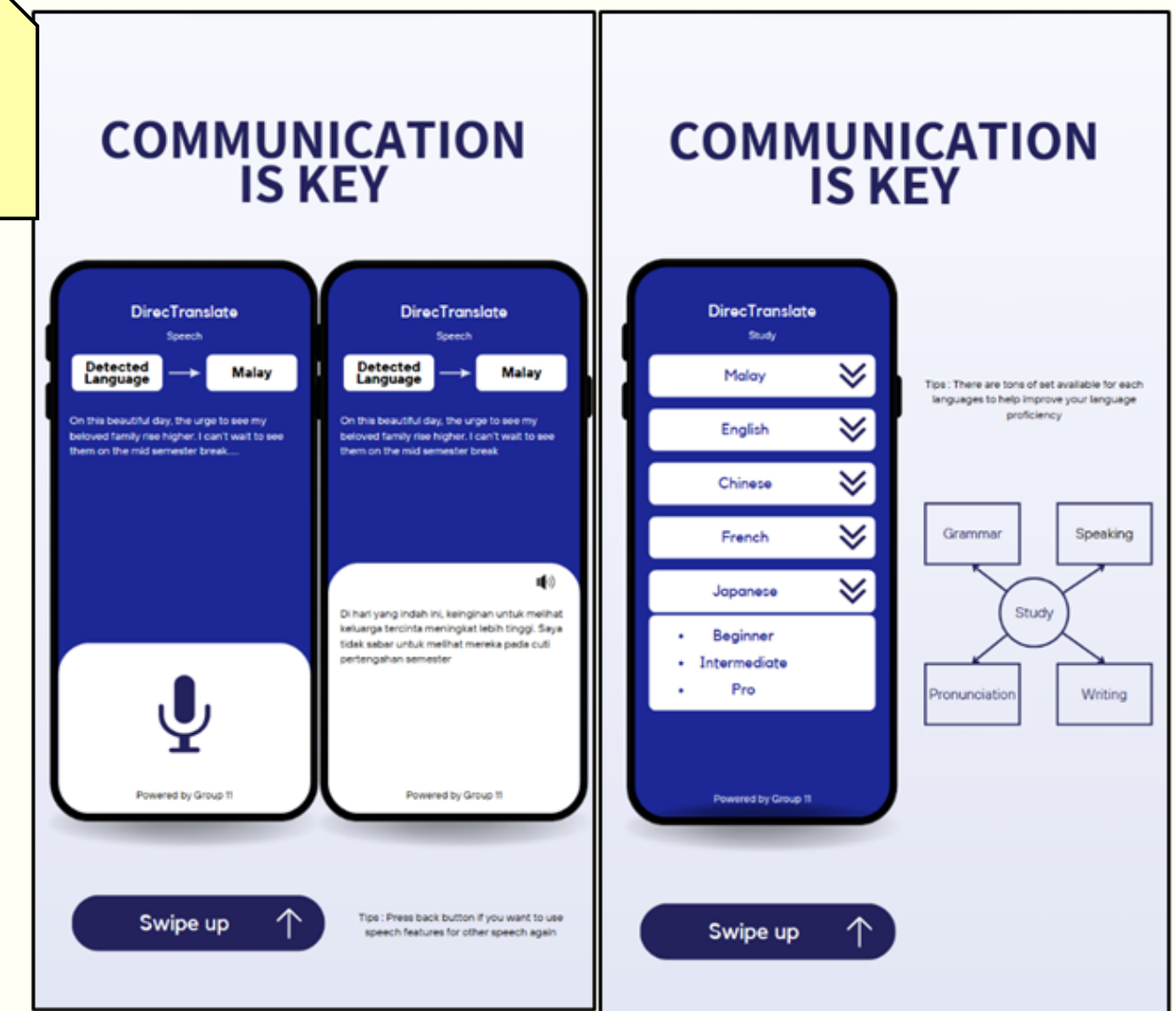


IDEATE



- We find the solution by brainstorming
- Shortlisting the best answer to solve this problem and come out with prototype.

PROTOTYPE



- We came out prototype by design an app
- Prototype names DirecTranslate
- Suggest users to use earbuds for smooth operation



EMPATHIZE

1

We conducted in-depth interviews with our target group which are youth, students, and travellers

DEFINE

2

We translated our insights into a precise problem description, considering diverse perspectives for a thorough analysis.

Teamwork

IDEATION

3

We demonstrated creativity and teamwork, brainstorming solutions with active participation from team members

PROTOTYPE

4

Ideas materialized into a language translation app featuring improved translation software aligned with identified issues



REFLECTION

My main goal is to become a successful cybersecurity analyst in the future. I hope that I can advance expertise in specialized areas within cybersecurity such as network security. Moreover, keeping up to date with the latest trends and skills are crucial in order to make contribution to innovation.

. By utilizing design thinking, I realised that this is the best way to provide solutions based on real life problems given. This further strengthen my goal to do contribution to the people needed. Lastly, I believe that by improving my technology skills, I will prove my potential and self-value in the industry.



MELODY

My main objective is to become a successful cybersecurity expert in the future. I want contribute to ground-breaking innovation to help society. I look forward to contributing to data safety and helping companies feel at ease about their clients and server safety. Other than that, design thinking really does help me as this is the best way to help me solve a problem meticulously and achieve the best solution for the problem.

This further strengthens my goal that I can contribute to the people. I believe if I can keep improving my abilities and knowledge, I will prove my worth and potential in the industry.



AZIIDAN

Based on my course computer science (bioinformatics), my goal is to apply innovative solutions for advancing biological understanding and healthcare breakthroughs. Design thinking is crucial for its human-centric methodology, prompting me to empathize with end-users and iteratively refine solutions. To improve my potential, I'll focus on continuous learning, staying updated on technological advancements, and collaborating with interdisciplinary teams.

Embracing design thinking principles will be crucial in shaping impactful contributions to the dynamic field of bioinformatics.



ZAFRIL

My target for my career is to become cybersecurity specialist. I have to keep up with the latest advancements in computer science technologies. In doing so, it will benefit me while pursuing this course. Based on design thinking project, I personally get this opportunity for my personal and professional growth. Furthermore, it improves my problem-solving skills because this assignment required me to provide solutions for the challenges that users encounter. It is crucial for me to hone my ability to make innovation to the existing product. I should improve my knowledge in IoT and cloud computing which is widely used nowadays.



ANIQ



RAZIQ

My long- life dream is to become a cybersecurity specialist. By becoming a cybersecurity specialist, I intend to create a better world where everybody doesn't need to worry about their security. After learning design thinking, it sparks many ideas to me and taught me many things. Design thinking helps me get closer to my dream. This is due to the fact that design thinking shows me a way to create solutions and solve problems in way you cannot imagine.

This skill is really crucial when it comes to being a cybersecurity specialist because you need to anticipate the attacks before they come. Moreover, I still need to improve my skills in technologies and security by learning more about IoT, cloud computing and data security. I believe these skills can help me contribute to society and make a better world where everyone is safe from hackers and scammers