

# CAT 4 RESOURCE DEVELOPMENT

Group 4-039

## PROJECT VISION RESOURCE

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## **ABSTRACT**

Project vision resource is a collection of easy, intuitive and user friendly resources which are specially catered towards the and visually impaired to help improve their daily lives through enhancing their mental and physical health and also imparting fundamental skills and knowledge which can benefit them. It includes a comprehensive audiobook available in multiple languages which guides the visually impaired through simple exercises to help maintain a healthy living independently everyday. We also have a braille board which is an intuitive hands on tool that allows the visually impaired to learn braille easily which can benefit them in public. Our posters help to raise awareness for the visually impaired community in Singapore and are not only eye catching, but also filled with facts and knowledge.

## **1 INTRODUCTION**

### **1.1 Rationale**

We are working in conjunction with Project vision and their beneficiary, the Singapore association of the visually handicapped (SAVH), and we aim to help the visually handicapped help themselves by acquiring new skills and gaining self-reliance to cope with the integration of society. There are many misconceptions and also a general lack of understanding for the visually handicapped community in Singapore and also a social stigma by the people.



## 1.2 Objectives

Through our resource, we hope to

- Raise awareness for the visually handicapped population in Singapore
- Educate youths on Braille
- Improve the lives of the visually impaired

## 1.3 Target Audience

Our target audience is the visually handicapped population in Singapore, interested members of the public and youths aged 10-20

## 1.4 Resources

Our resource is an online platform consisting of our audiobook and our posters and also a braille board learning tool.



## 2 REVIEW

There were many misconceptions and lack of understanding towards the visually handicapped. People were unaware of the full extent of the problems that they faced and did not know how to help. The visually handicapped also faced social stigma as they were discriminated against and not accepted into society due to wrong impressions. There is also very little resources created that cater to the visually handicapped.

## 3 METHODOLOGY

### 3.1 Research

From various reports, news articles and other research which we gathered online, we concluded that the overall public has a negative opinion towards the visually handicapped community and the unemployment rates are high due to the social discrimination towards them. Furthermore, there is a lack of help which has been rendered to them with also minimal understanding of them and many people not knowing how to properly help them.

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Recently a spotlight has been shone on the dismal employment rate of persons with disabilities (PWDs) in Singapore.

The estimated 95 per cent unemployment rate of PWDs is many times over the 2 per cent unemployment rate of the general population. However, the bigger issue is whether the disabled has a place in our economy, schools and community.

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Alvan Yap, a deaf freelance editor and writer puts it best: "Nothing about us without us" says something very damning — it means for too long and as the norm, PWDs do not get their voices heard, nor have any say in matters which directly affect them".

PWDs have a vested interest in our well-being and like everyone else, want to achieve independence.

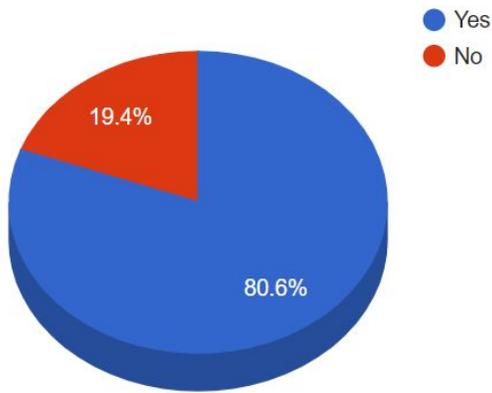
As a blind person, I can say that the services provided here for the blind are less than desired. There are over 60,000 people with significant vision loss, yet, sadly there are so few who are independent.

### **3.1 Needs analysis**

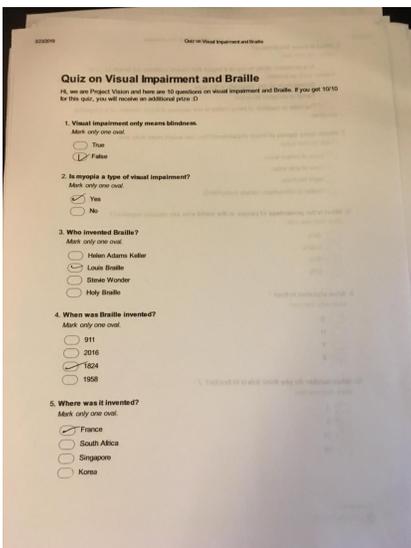
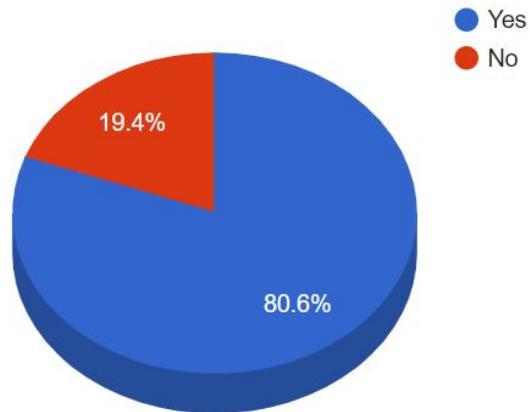
A needs analysis was conducted to ascertain the relevance of our project. We conducted 3 different needs analysis to gain an insight from all types of people that are involved in our project. Firstly, we conducted a survey to find out how aware people are of the visually impaired community in Singapore and we found out that there was a lack of awareness in 80% of the people. Secondly, we conducted a quiz during the project vision carnival and discovered that most people were not fully aware of what visual impairment is and do not know how to assist a visually handicapped person. Lastly, we also interviewed visually impaired citizens at the SAVH centre to try and figure out what the best resource for them was.

### 3.2 Survey results

Do you think enough help is given to the visually impaired in today's society?

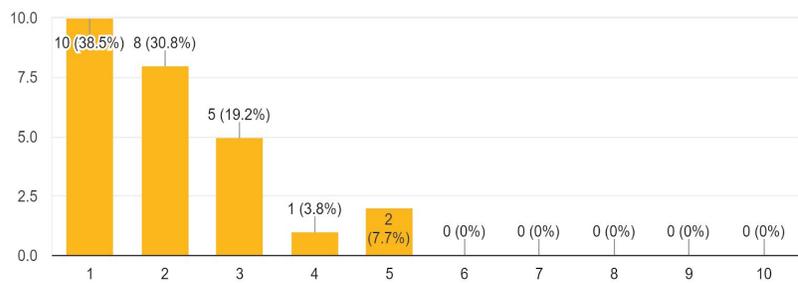


Have you come across braille before?



On a scale of 1 to 10, how familiar do you think you are with Braille?

26 responses

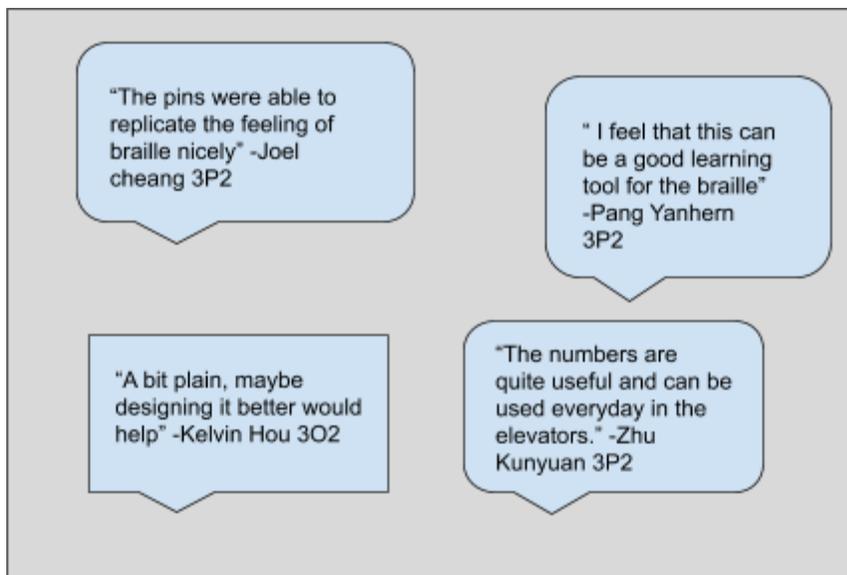


### 3.3 Development of resources

We did research on the best types of exercise that would help the visually handicapped and compiled a total of 10 exercises which are suitable for everyone of all ages. We then turned it into a book in 2 different languages, english and chinese and recorded the audio for both. As for our braille board, we decided on the basic alphabets and numbers as they can be the most beneficial and are not extremely difficult to learn. We plugged pins into a base to recreate the feel of braille dots to be used as a teaching tool for users to learn the basics of braille quickly and easily. Our posters are constructed with different designs based on the feedback given to us when we showed them off and are specially made to draw attention and look more interesting.

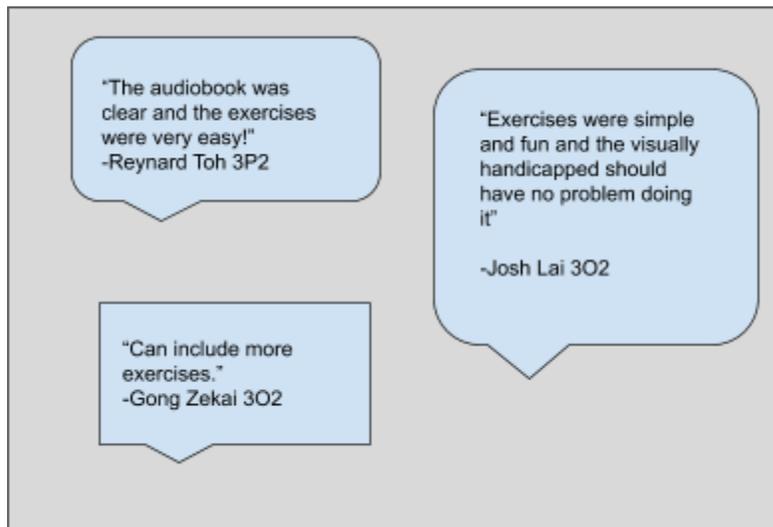
### 3.4 Pilot test

A pilot test was conducted on some students to see the effectiveness of our project and the students were blindfolded and guided by our members to use the braille board and learn some basic braille. Some of the common responses were recorded below.



### 3.5 Pilot test 2

We conducted a second pilot test to test the effectiveness of our audiobook. Students were given a pair of headphones and asked to listen to our audiobook and try to complete the exercises to the best of their ability. From the pilot test, we can conclude that the instructions were clear as they were able to carry out the exercises without any difficulty and prompting from us. Some of their responses were also recorded below.



### 4 OUTCOME AND DECISION

We obtained both positive feedback on our project but also cited many areas of improvement on our product such as the design being plain and also a lack of content in our braille boards. Our audiobook will also be done in another language so as to be able to benefit a wider audience as through our visit, many of the visually handicapped are in fact elderlies who do not speak english well. We have also decided to create a website which can house all of our many resources together so that they can be more easily accessible and showcase our work in a more organized and orderly fashion.

## **5 CONCLUSION**

Project vision resource has been a challenging project to undertake as it required many hours of research hard work to develop our resources and also many visits to the SAVH centre and also various events to help raise awareness. Through our project, we developed various skills such as critical thinking, our creativity and our communication skills through the various stages of our project. We encountered many problems throughout the project such as time management and the designing of our resources but have always found solutions to ultimately achieve our goal of helping the visually impaired and also to raise awareness for them.

## **6 REFERENCES**

When organisations representing people with disabilities in Singapore are not inclusive. (2019, March 27). Retrieved from <https://www.todayonline.com/commentary/when-persons-disabilities-singapore-are-left-out-bodies-representing-them>

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