

Plant Words 種字

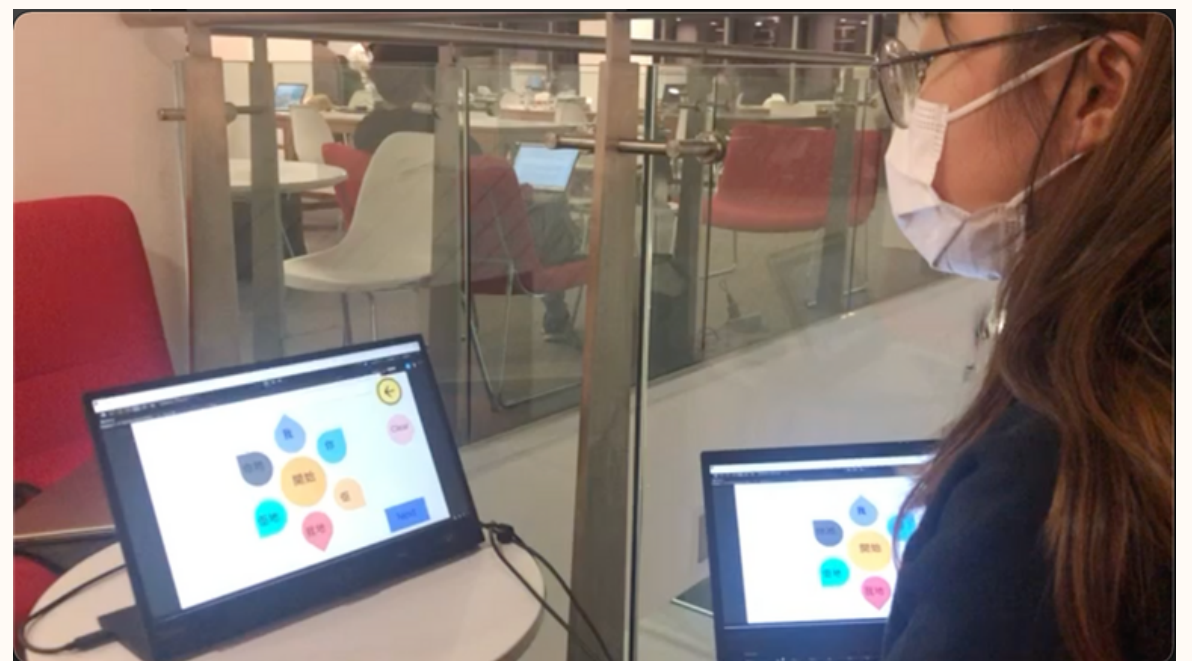
An Eye-tracking Input Method Editor APP
智能眼動追蹤打字APP

Objectives

Improve and encourage social communication between SEN students and other campus users.

改善及增進SEN同學與其他校園使用者的溝通。

Use Case

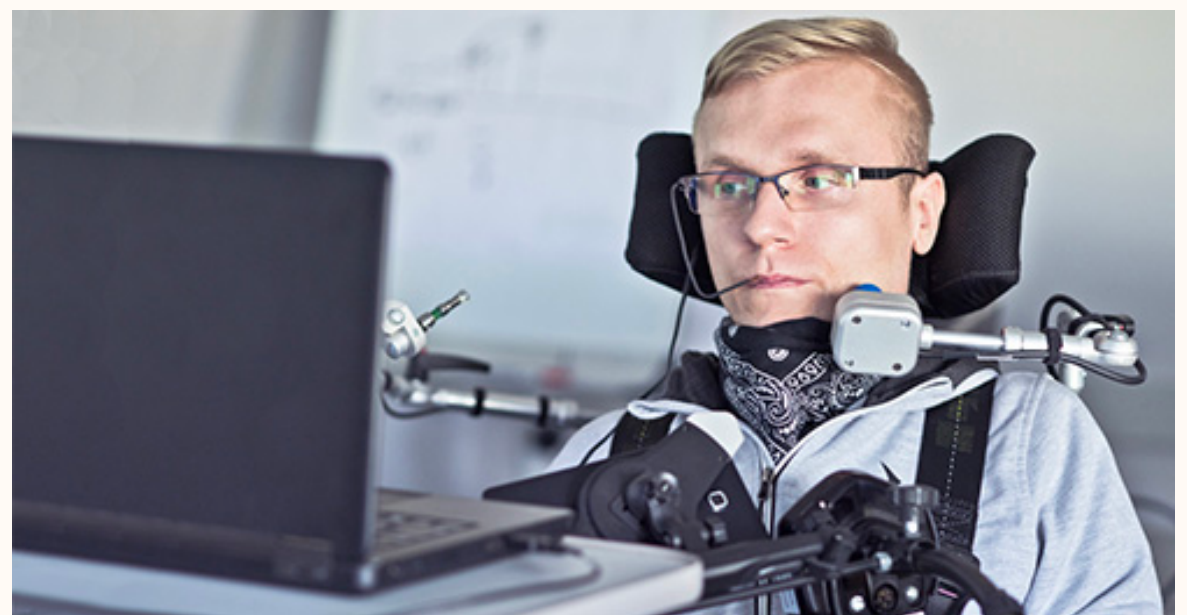


Target Aspects

Provide an effective and convenient communication method for students who suffered from diseases of musculoskeletal systems or amyotrophic lateral sclerosis(ALS).

為肌肉萎縮症及漸凍症同學提供有效而方便的溝通方式。

Target User

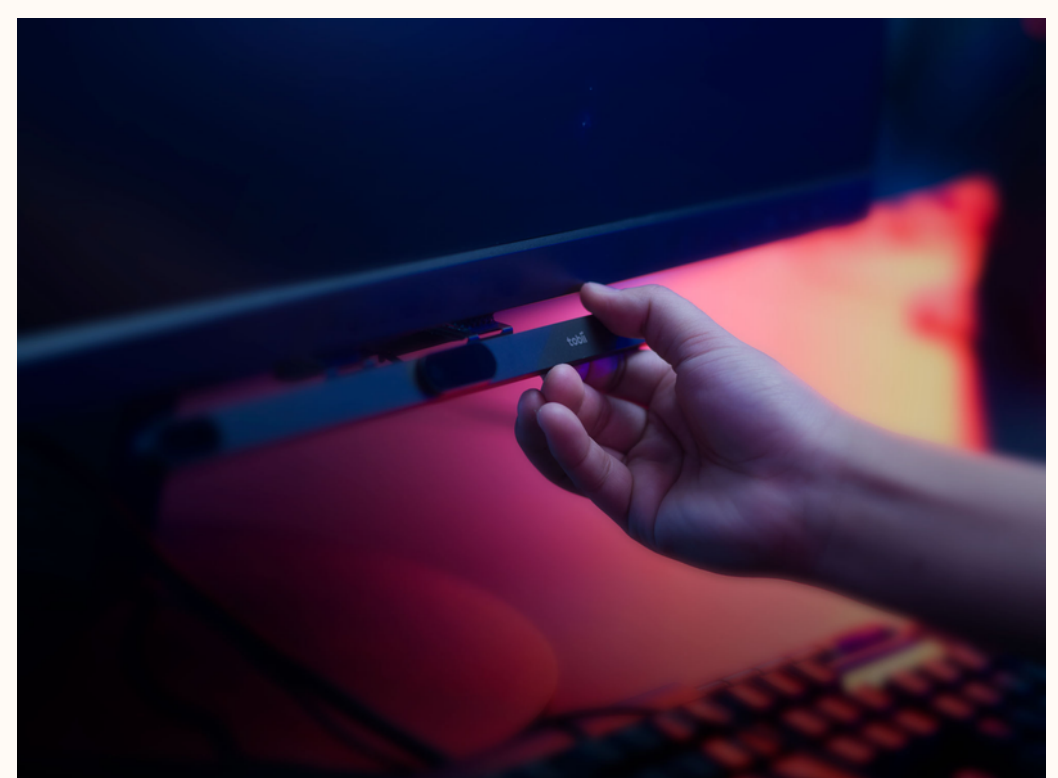


Hardware

Tobii Eye Tracker 5

We can place the Eye tracker under the monitor.

我們可以將眼動儀固定在熒幕下方。



PLANT WORDS 種字

Goal: Contribute to barrier-free campus

目標：建立無障礙校園

Details of our Idea 構思細節：

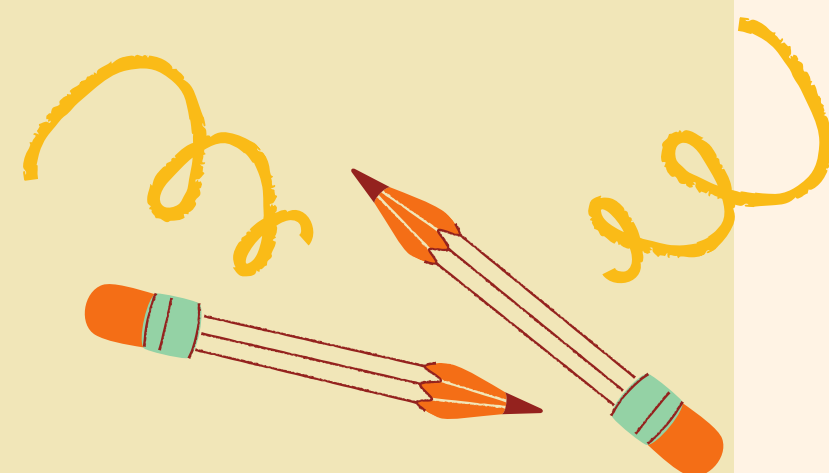


FUNCTIONS 功能

1. Neat, Simple & Easy-to-read UI
簡潔界面
 - Inspired by flowers and design word selection with 6 petals
 - 以花作靈感，設計以6塊花瓣提供選字
2. Choose Chinese Vocabularies
直接選字
 - 透過眼睛動作征測，選擇花瓣上既字
 - Through eye movement detection, select the words on the petals
3. Favorites Function
收藏功能
 - Save frequently used sentences to facilitate communication with classmates
 - 收藏常用句子，方便與同學交流

HOW TO USE? 如何使用?

1. without Eye-tracker 單獨使用
 - choosing words with a mouse-pad or hands
 - 用滑鼠或手指選字
2. with Eye-tracker 配合眼動儀使用
 - choosing words with eye-tracker
 - 配合眼動儀，使用更精準



SPECIAL FEATURES

1. Characters on the 6 petals are calculated by big data learning
 - 6塊花瓣上既字係由大數據學習所演算出黎既常用字
2. Can generate Cantonese daily conversation sentences
 - 可以演算出廣東話日常對話造句
3. With color code for word classification
 - 配合color code作字詞分類
4. Mobile phone/tablet version is easy to assemble and carry while also available to facilitate communication with classmates
 - 擁有手機/平板版本，方便組裝攜帶，並方便與同學之間的交流



Product UI Design
界面示意圖

CONTRIBUTE TO BARRIER-FREE CAMPUS

建立無障礙校園

Through Plant Words, we hope that it can help improve the communication between students and build a more barrier-free campus. Students can borrow eye trackers and laptops from all over the campus for long-term class/activity exchanges on weekdays. Or they can install the Plant Words app on their mobile phones, which is convenient for use in other campus scenes, such as Canteen and sports fields.

透過Plant Words種字，我地希望可以有助改善同學交流，建立一個更無障礙既校園。同學可以在校園各處借用眼動儀及手提電腦，供平日長時間上課/活動交流使用。同學亦可於手機安裝Plant Words種字應用程式，方便於其他校園場景使用，例如Canteen，運動場。