1) Group Details

School Name :	Keming Primary School
Group Name:	KMPS Inventors Team 2
Name of Group Members:	1. SAM TAN YU SIN 2. NG YU SIAN OWEN 3. CHEN CHENG 4. LIM YU JIE 5. KATLYN ANGELINA DJAJA
Name of Teacher I/C:	Mdm Ameline Sng Mdm Susan Zhao

2) Project Overview / Problem Statement

- Descriptions of the issue to be addressed.

The COVID-19 pandemic has resulted in a significant increase in social anxiety among some students, who face difficulties interacting with others and experience challenges related to the removal of mask-wearing[i]. Masks create barriers to effective communication by concealing facial expressions and non-verbal cues.

The pandemic has caused an impact on people's mental health, with social anxiety emerging as a prevalent issue. As a result of prolonged periods of isolation and physical distancing measures, individuals had limited social interactions, leading to heightened discomfort and unease when faced with the need to interact with others.

Addressing this problem is crucial to ensure the mental well-being and successful reintegration of individuals into society post-pandemic. Our project aims to identify strategies to help students with social anxiety overcome their difficulties in interacting with others[ii]. This solution can also be used by parents and educators who play a crucial role in identifying and addressing social anxiety among students.

3) Research Findings / Current Solutions

- Descriptions of if/ how the problem is currently being addressed.

There are several current solutions available to help individuals with social anxiety.

|	
Current Solution 1	Medications
Strength	Effective in controlling symptoms short term.
Shortcoming	Long-term use will have impact on health and not all are suitable to consume.
Website link	https://www.healthxchange.sg/wellness/mental-health/anxiety-singapore-stats-types-risk
	https://www.moh.gov.sg/docs/librariesprovider5/resources-statistics/educational-resources/anxiety_disorder.pdf
Current Solution 2	Therapy and Counselling
Strength	Teach strategies to reduce anxiety and cope with it.
Shortcoming	The sessions are expensive and not all can afford.
Website link	https://www.nuh.com.sg/Health-Information/Diseases-Conditions/Pages/Social-phobia.aspx

4) Proposed Solution

Our proposed solution is to use Scratch to provide advices to the users on how to cope with social anxiety. It is easy and convenient for students to access.

This a platform for users with society anxiety to access. On the homepage, user will have to press the green flag to start. The background is chosen to provide a calming effect. The scribe is Gobbo. He is a slime and it helps to relieve stress.
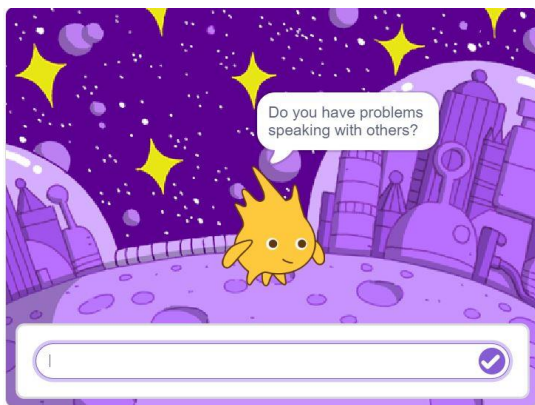
Gobbo will ask some questions and the user will type in the answer. For this question, if the user type the word "yes", it will to move on to the next screen.

For this screen, we have chosen nature as our background image to bring about soothing effect, hoping that the user will be able to feel calm while using the application. In this page, users will wait for gobbo to give him/her some advices on how to deal with social anxiety issues.

5) Prototype

work-in-progress

https://scratch.mit.edu/projects/873941259/

[i] https://www.centerforanxietydisorders.com/post-pandemic-social-anxiety/
[ii] https://www.healthhub.sg/programmes/186/MindSG/Caring-For-Ourselves/Dealing-with-Anxiety-Disorder-Teens