Live Demo Script:

Sign Up:
When the app first opens, users are directed to the Signup page. After signing up by registering their email, they'll receive a confirmation link in their email inbox. Clicking the link will verify their account and create their profile in the database.The authentication is handled by Supabase which checks for the validity of the email entered and the strength of the password.
It also checks for empty field inputs.

Log In:
Once verified, users can return to the app to log into the app. Users will be able to input their email and password to log in. Supabase API will handle the password checking.
If the users do not verify by clicking the link to the email, they can still log in but would not be able to use certain features like ‘Adding friends’.

Home Page:
Once logged in,
User will be directed to the Home page, the app's landing page. This serves as a dashboard where Users are able to easily track their tasks here.

Task Page:
On the Task page, There's a text field for users to add new tasks as well. Once the task is submitted, each task will be saved into the database.

Each task has 3 available actions:
1. Mark as Done
2. Edit
3. Delete

All of these actions will be reflected in real time in the database.

Friend Page:
Users can add friends as well through the Friend Page. There is a text field for users to input their friend's email address, and a button to send the friend request. Sent requests will be reflected under the "Send Request" section while incoming friend requests will appear under "Received Requests".

Every friend request can be either accepted or rejected by the receipt.

Accepting the friend request makes the sender and receipt users "Friends" thus creating a relation between them.

Friend Task Page:
Lastly, on the Friend's Task Screen, users will be able to view their friend's task progress. Friends are represented by their emails along with a summary of their completed tasks.

For example:
One friend may show 3 out of 4 tasks completed
Another may show 1 out of 1 task completed

Library Page:
We also integrated the Google Maps Platform APIs to enhance our app's functionality. Specifically, we utilized the Geocoding API and the Places API to implement a 'Nearby Libraries' feature.

When a user enters their postal code, we first use the Geocoding API to convert that address into precise geographic coordinates—latitude and longitude. Then, these coordinates are passed to the Places API's Nearby Search function. We configured this search to specifically find NLB (National Library Board) libraries within a 7-kilometer radius of the user's location, displaying the results as markers on an interactive map within the app. This provides students with a convenient tool to find nearby study locations.