# MOBILE

# APPLICATION

# FRAMEWORK

**01. With your knowledge on application development frameworks provide the framework solution you would propose to develop "ToDoNotes". Justify your answer.**

### ● HYBRID APP FRAMEWORK

A Hybrid app is a software application that combines elements of both native apps and web applications. This application should be developed in a short time as the students are almost at the end of the semester. in Hybrid app Framework it takes Faster build times compared to native apps.

The 2nd reqiurment is that Anybody should be able to access this application. obviously Hybrid Apllications can be operatable on different platforms. and its cheaper to develop compared to building two versions of a native app for two different platforms.

**02. Compare and contrast your frameworks with other available mobile frameworks stating the pros and cons (3 points each for pros and cons)**

### ● HYBRID APPS

PROS -- Will operate on different platforms.

-- Faster build times compared to native apps.

-- Cheaper to develop compared to building two versions of a native app for two different platforms.

-- Easier to launch patches and updates.

**CONS** -- Variations due to leaning development on one platform
as an example, if a development team leans their work on one
platform, another supported platform may lack in quality, or
suffer from bugs.
-- Hybrid apps don't work offline.
-- User experience (UX) may fall if the user interface (UI) isn't
similar to and well enough designed to what browsers the user
is used to.

## NATIVE APPS

**PROS** -- Native apps work with the device's built-in features – like the
camera, microphone, location services, etc. they can offer
richer functionality.
-- App stores and marketplaces give native apps full support.
This allows users to easily find and download apps of their
choice from these stores.
-- The user can be assured that the app is secure and fully
compatible with their device, since the apps have to get
approval from the app stores.

**CONS** -- The cost of app maintenance and app updating is higher for
native apps.
-- especially since there are two mobile platforms
to support it needs multiple code based for each Ios and Android.
-- When users all use different versions of the app, makes it
challenging for the developer to maintain updates and offer
support.
-- Time conuming to develop.

## PROGRESSIVE WEB APPS

**PROS** -- Web apps are easier to maintain because they use one code base across multiple mobile platforms.
-- Web apps can be made compatible with older mobile devices and more versions.
-- No installation requird
-- Less Data use
-- Cost less than app

**CONS** -- There is no quality control system for web apps, therefore users are not guaranteed safety and security of the app.
-- Mobile web apps have only limited scope as far as accessing a device's internal features.
-- Web apps can be expensive when they need to support multiple platforms
-- It is difficult for the developer to maintain and track the usage patterns and provide support for all the different platforms.

### 03. Suggest a value-added feature for "ToDoNotes" showing your creativity

## 🔴 ADD VOICE REMINDERS

-- The Voice reminder will accept voice input to collect the message

-- its easy to record the voice than typing some notes. also It Saves time and helps you .

-- Voice reminders can be  helpful in creating explained notes for who are very lazy in typing

-- its also very understandable than adding some texts

-- there are some scientific theory that people can remind thing by hearing more than reading.

-- especially for students, in the period of exam times it would be very comfortable to them

-- also before the exam time they absoulutlly study by reading books or e books. but the voice reminders changes something in there usual activities.

-- even they can record the lecturers voice while in the class. it would be very helpfull.

## 04. What are the considerations done when deciding a mobile application framework?

- ### DEVELOPMENT COSTS

-- It makes a lot of sense to launch an app startup these days. The vast majority of the population utilize different mobile apps as part of their daily activities.

- ### TIME TO MARKET

-- All the different app development processes take their individual development time.  Although research stages take up around 2 to 3 weeks of development time, when done right, they can not just save time on a later stage but also aid the smooth sailing of processes.

- ### MAINTAINING COSTS

-- App maintenance is very important and every app on the store needs t to survive. Things such as new OS releases, new device releases, design popularity changes, and functional needs are some of the reasons why you should have an app maintenance plan before you even start development..

- ### PERFORMANCE

-- A lot of effort and resources get invested in making a great mobile app design, however, if the mobile app performance is poor – it all will go in vain. According to a survey by Akamai, 47% of consumers want the web pages to load in two seconds or less.

## ● SECURITY

-- Data breaches are now getting more and more rampant. Almost every day, you can hear news of hackers gaining access to customer data from large companies. They can penetrate the database of your users and use their information such as bank accounts, Social Security numbers, and other sensitive details for their benefit.

## ● HIRING

-- Hiring the best mobile app development company is crucial because when you are trying to create an app, you have to work closely with someone who can implement your ideas as well as provide suggestions using their expertise.

## ● UX

-- A mobile app design strategy constitutes of a User Interface (UI) & User Experience (UX) design. UI usually compliments the UX and refers to the design and the way in which it interacts with the user. Whereas, UX details how the customer journey/experience would be like while interacting with the app. Both the elements are crucial and help a user decide whether a user would stay or sway away.

## 05. State your favorite mobile application explaining why

### ● WHATSAPP

-- My favourite mobile application is Whatsapp among many applications that I use daily.

-- WhatsApp is one of the most popular messaging platforms across the globe.

-- Whatsapp is an alternative to Blackberry messenger.

-- It is an app that lets one to send text messages and pictures for free, using wifi or mobile data.

-- I love WhatsApp because it encrypts my chats making it private and secure.

-- Whatsapp only needs a person's number that is to be saved in our mobile contacts, unlike facebook messenger which requires one to be a Facebook user first and then adding some as your friend before chatting with them.

-- Whatsapp helps in making group chats easily where we can convey our feelings and emotions to a large set of people.

-- Whatsapp has free registration and all the procedures regarding login are very easy.

-- Whatsapp does not require any login passwords.

-- Whatsapp syncs with our mobile contacts once we log in.

-- We can also share videos in WhatsApp.

-- Whatsapp has no shutdowns or operational challenges.

-- We can also share our thoughts through WhatsApp status.

-- Whatsapp notifies us when we send messages and also notifies when the receiver notices it through blue ticks.

-- WhatsApp has finally introduced Dark Mode in both Android and iOS versions.

-- Pin important chats and delete for everyone option

-- Overall, it is easy to use and not complicated like other applications
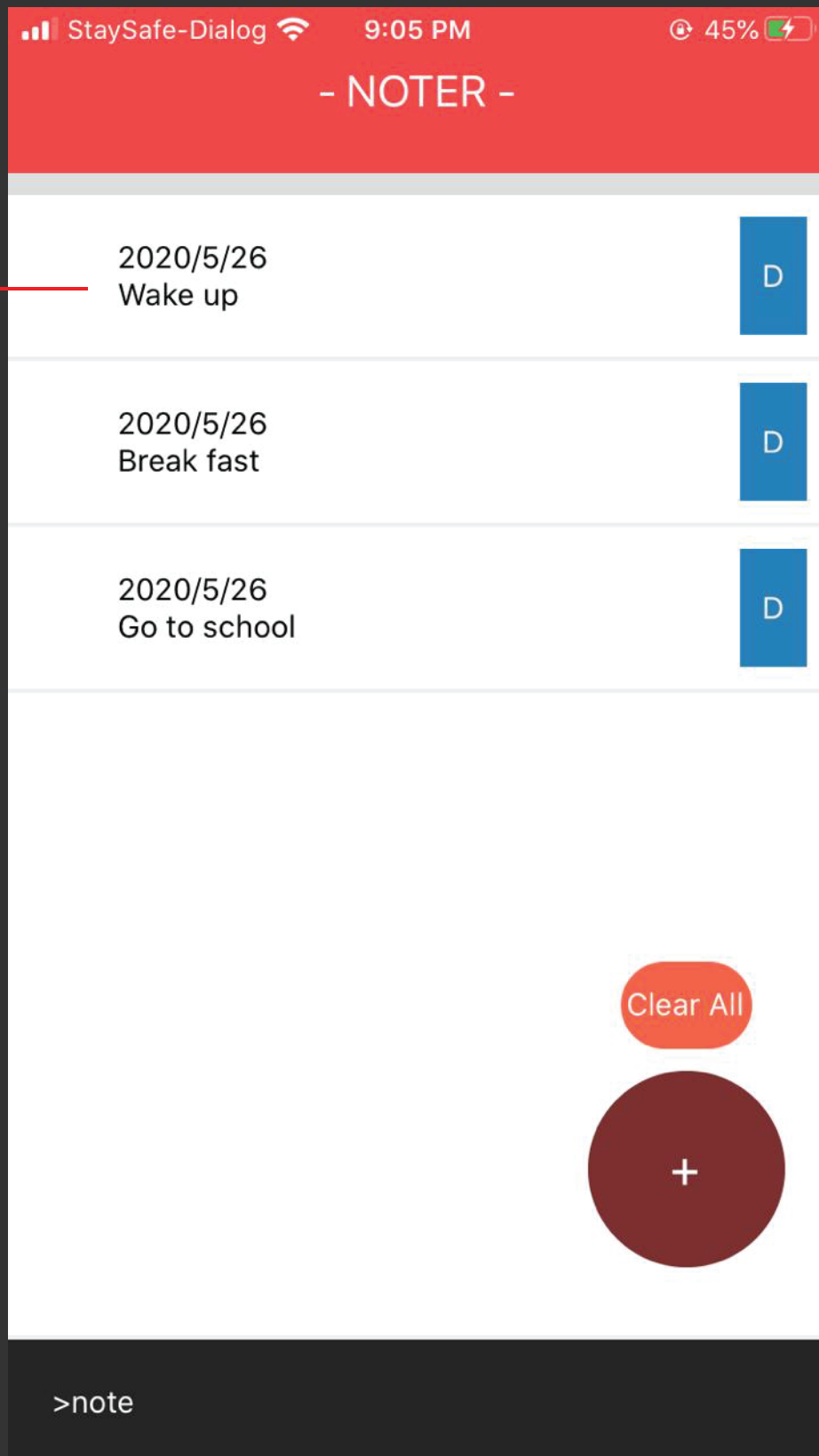
# MY
# TODO APP

## MAIN INTERFACE



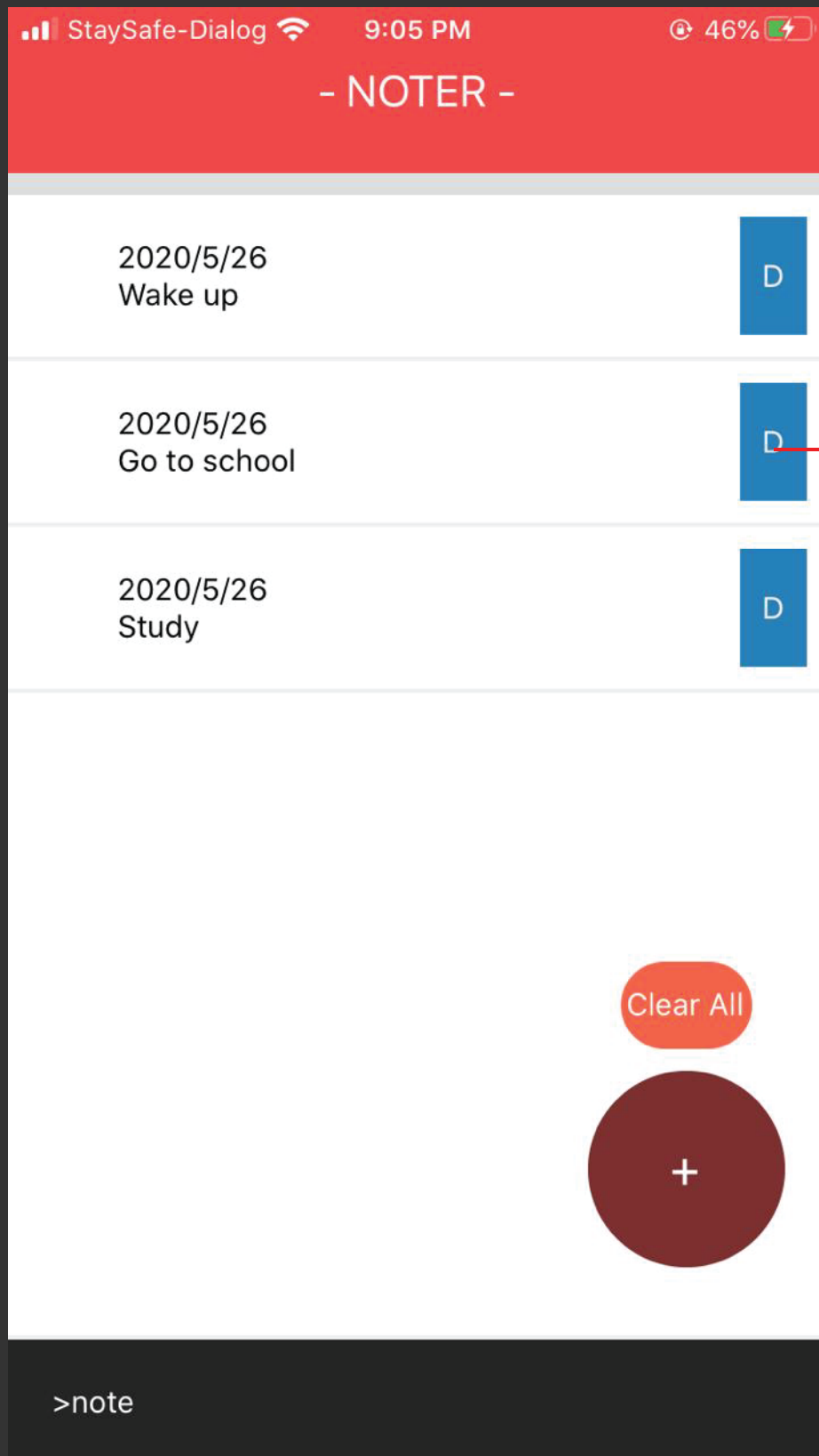- NOTER -
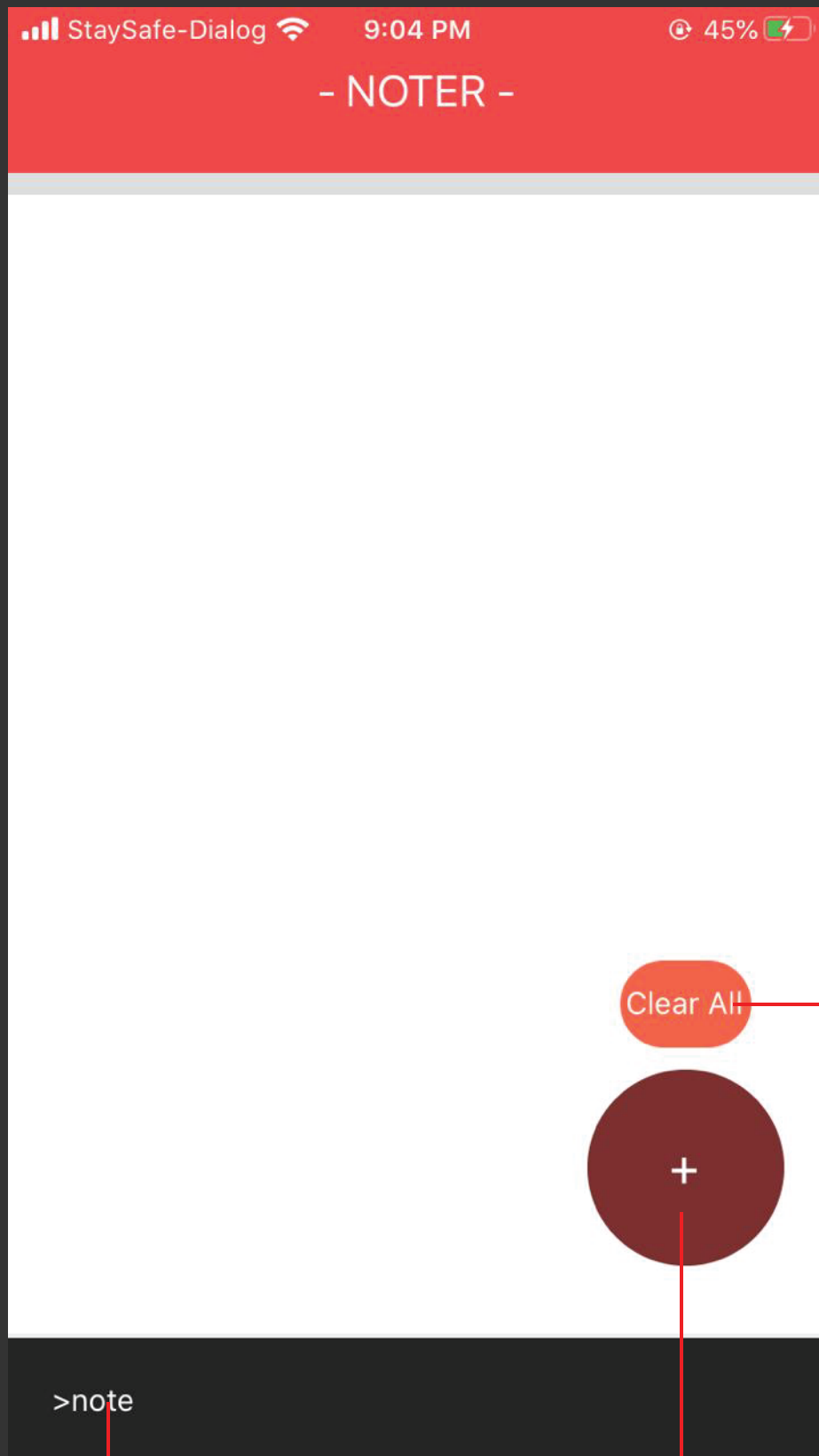
Clear All

ALL DELETE
WITH THIS
BUTTON

+

>note

TYPE NOTES

ADD BUTTON

## ● ADDING NOTES

**NOTE WITH DATE**

### - NOTER -

2020/5/26
Wake up                                          D

2020/5/26
Break fast                                       D

2020/5/26
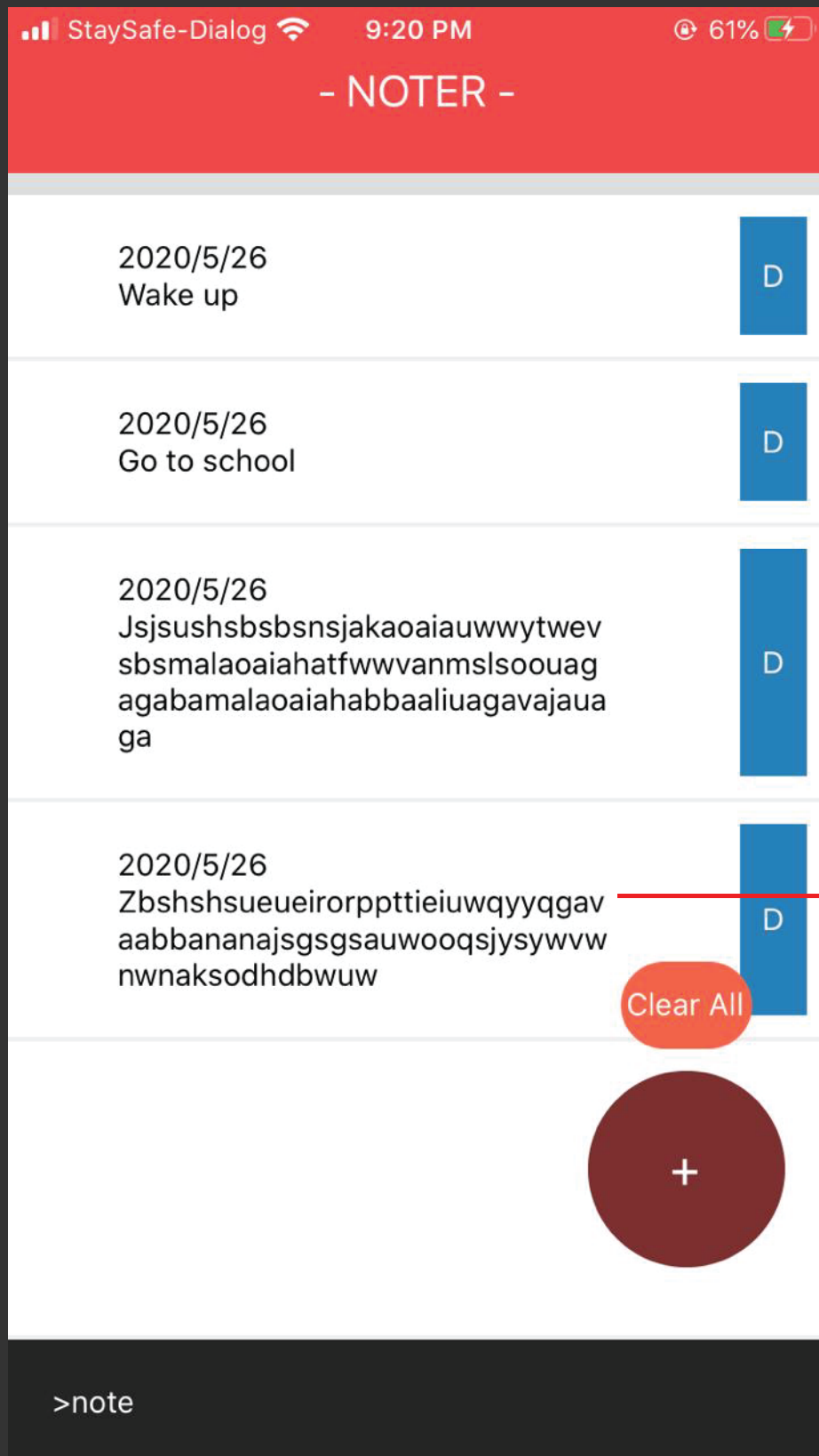Go to school                                     D

Clear All

+

>note

## DELETING NOTES ONE BY ONE



DELETE NOTE ONE BY ONE

# PARAGRAPH AND VIEW



CAN TYPE PARAGRAPH AND VIEW IT

## ● ALL DELETE



StaySafe-Dialog 9:20 PM 61%

- NOTER -

Clear All

+

>note
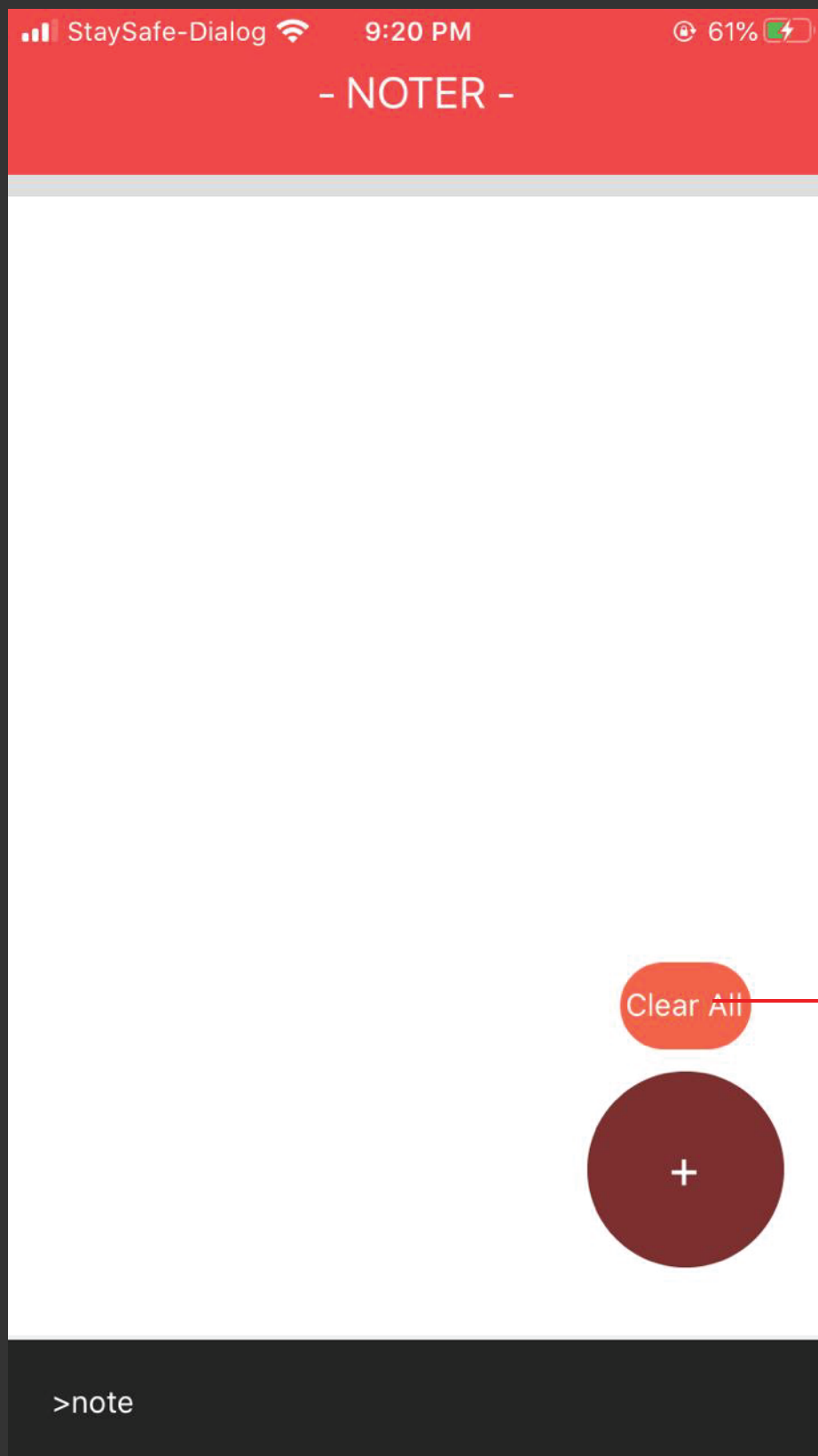
CLEAR ALL
WITH
THIS
BUTTON

# ● REFERENCE

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