Title: KAIST Times, KAIST OH (operating hours), KAIST BH (business hours)

In VSCode, install react Native, show hello world with semantic UI applied!

Feel free to test any UI (like buttons, lists, …)

Prototyping tool: [Balsamiq](https://balsamiq.cloud/) - the industry standard

Frameworks:

* [React Native Elements](https://reactnativeelements.com/) - has 20k stars on [github](https://github.com/react-native-elements/react-native-elements.git)
* [Native Base](https://nativebase.io/) - has 15k stars on [github](https://github.com/GeekyAnts/NativeBase.git)

Database:

* Firebase

Current database structure of bus schedule

For OLEV for example

* A list of starting time: [470, 500, 530, 560, …]
* Interval between stops: [0, 2, 4, 6, 9, 12, 14 ..]
* Name of the stops: [Cafeteria, Sport complex, E11, ...]

There is a function that converts the starting time to human-readable form

* For example, 470 -> 7:50 AM

Intention was

* (1) A bus departs at 23:50 => arrives another stop at 0:02 AM
* (2) School changes the schedule very frequently

23:50 - convert this to our working numbers, afterwards we add intervals, then convert back. 😎

Channel of communication:(manual way would be okay 😎)

1. Telegram bot?
2. Kakao bot

Features to add:

Show “next bus” first - or show whole table regardless of current time

Main page: recommend information based on user need at the main page (Rather than show only two buttons to each service)

* Based on user’s prior settings (e.g., “I’m living in north dorm of main campus, commute to creative learning building”)

Database Design:

Timetable Database:

2 Tables: 1. Bus Timetable 2. Cafeteria Hours

1. Bus Timetable:
   1. Types -> Bus Stops -> Time according to days
2. Cafeteria Hours:
   1. Cafeteria
      1. Time Opening and Closing for each day

Future additions (Post MVP):

1. Google Map, Kakao Map or something like that to show bus stop or facility locations
2. Push notifications