Meeting Minutes - [Frontend & Backend]

**Location:** Terrace

**Date:** February 15, 2023

**Time:** 2.00pm

## Attendance

Frontend: Cynthia, Hanis, Jing Jie, Wee Shi | Backend: Mark, Marcus, Ze Jian

## Agenda Items

1. Discussion on the type of platform we want to use
2. Discussion on the programming language to be used by both teams
3. Reaching out to users for interviews
4. Discussion on functions our platform should have

## Action Items

1. Decided to take inspiration from a telegram bot called RainKorKor but with a focus on predictive abilities
2. Decided to use R as our common programming language
3. Frontend team to start reaching out to weather forecast professionals to gain insight
4. Worked on creating an interactive map using leaflet on R

## Other Notes

The discussion on the type of platform was whether we should use a website or a messaging app. The decision to use a Telegram bot was made due to cost efficiency and user convenience.

Additional functions that our bot has: rainfall prediction, zooming into specific locations instead of just an overview of the whole of Singapore

Meeting Minutes - [Frontend & Backend]

**Location:** S16-03-09

**Date:** March 27, 2023

**Time:** 4.00pm

## Attendance

Frontend: Cynthia, Hanis, Jing Jie, Wee Shi | Backend: Mark, Marcus, Ze Jian

## Agenda Items

1. Finalisation of the functions that we want to showcase
2. Updates from both sub teams
3. Discussion on video presentation within frontend team
4. Figure out a way to retrieve location information from update variable

## Action Items

1. Make a list of the functions that we need to get working
2. Frontend team to decide on the general flow of the video presentation and schedule another date to meet up and work on the details
3. Frontend team to finish up coding the desired functions
4. Once the database is up and running, frontend team will connect the bot to it

## Other Notes

Bot functions: get picture, add location to favourites, view prediction from favourites, view prediction from available locations

Frontend team would be meeting on 31 March 2023 to work on the details of the video presentation.

Frontend team changed the update variable on the telegram bot to get location information from the update variable when the user clicks on a location button. This is to allow for more efficient coding.

Meeting Minutes - [Frontend & Backend]

**Location:** Zoom meeting

**Date:** April 3, 2023

**Time:** 4.00pm

## Attendance

Frontend: Cynthia, Hanis, Jing Jie, Wee Shi | Backend: Mark, Marcus, Ze Jian

## Agenda Items

1. Standardise how we are categorising the amount of rainfall
2. Discussion on the zooming in function
3. Backend to provide updates regarding our server
4. Discussion on roadshow

## Action Items

1. Frontend team to determine how to explain how wet the ground is to user
2. Frontend team to create the zoom in function using leaflet
3. Frontend team to connect to the server once it is up and running
4. The bot needs to be able to access the user’ favourite locations and also add more locations to it

## Other Notes

We will define the rainfall as light, medium and heavy so backend will create bins and decide on the colouring on plot while frontend will have to link this to how wet the ground is and provide that information to the user during prediction.